



Jakarta  
Semarang  
Surabaya  
Balikpapan



**Product Catalog**  
2019 - 2020 *Version 3*



**C**

**WELDING MACHINES**

## Our Company

Established in 1968 as CV. Timur Raya, and later renamed to PT. Bumi Teknik Utama in 2004, with offices in Jakarta, Semarang, Surabaya, and Balikpapan. Our divisions are Welding Machines division, Welding Accessories division, Welding Consumable division, Tools & Power Tools division, Panel & Hand Tools, Retail division and Service & Support division.

In order to serve our customers better, we established Bumi Distribution Center in Cengkareng and we are planning to open more branches in different provinces and cities in the nationwide.

More than 50 years of industrial experience and utilizing a strong backbone of the latest computerized system, such as online "SAP" ERP system, Business Intelligence and Bumi Intranet, give us the advantageous of fast working collaboration, knowledge, analyze and expertise that contributes greatly to the benefit of our customers.

As one of the fastest growing companies in the industry, we believe Human Capital is one of the company's main pillars. Which we pay lots of attention and investment in the recruitment and talent development program.

Our Customers : Metal Fabricators, Automotive Industry, Shipyard, Power Plant, Mechanical & Electrical, Oil, Gas, Mining and all related supporting Industries.

Our Products : High quality and reliable lifting, cutting, bevelling, grinding, welding, drilling, punching, bending, fastening and related products.



Our Vision : To be the leader in the professional industrial equipments by giving quality products and better after sales services.

Our Mission : To equip our Customers with reliable, durable and efficient Professional Industrial Equipments. Together with preventive and corrective services that fulfill the needs and expectations of our customers and business partners.

Our Core values :

- Treating our customers with respect and faith.
- We grow through creativity, invention and innovation
- We integrate honesty, discipline and commitment into all business aspects.

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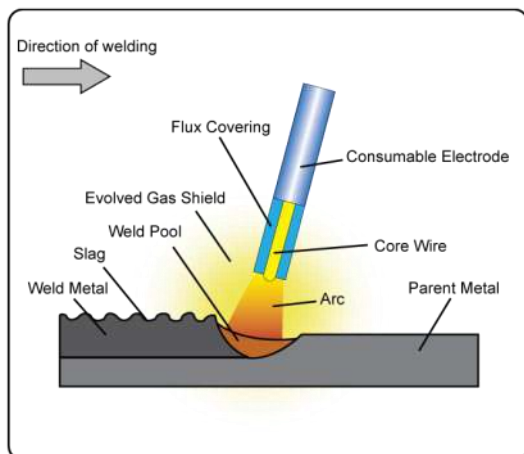
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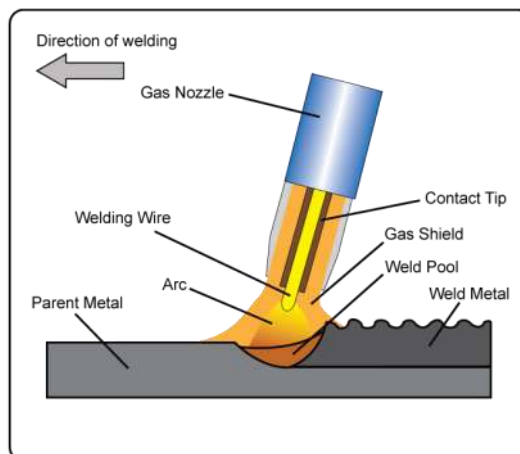


## WELDING & CUTTING PROCESS

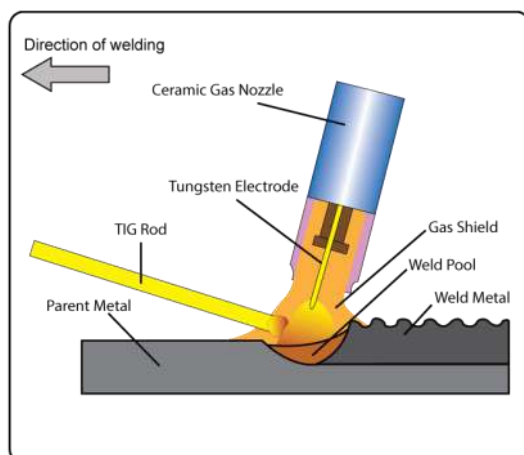
### MMA / SMAW Welding



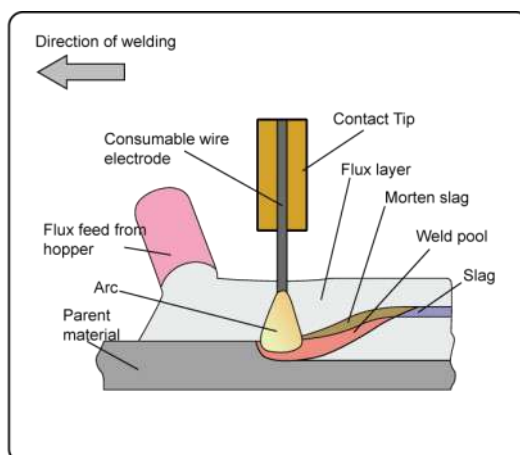
### MIG MAG / GMAW Welding



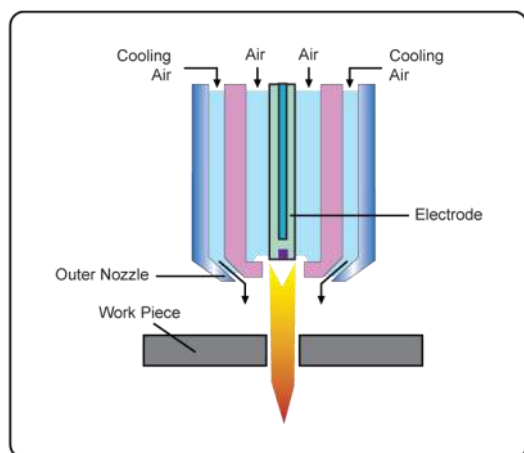
### TIG / GTAW Welding



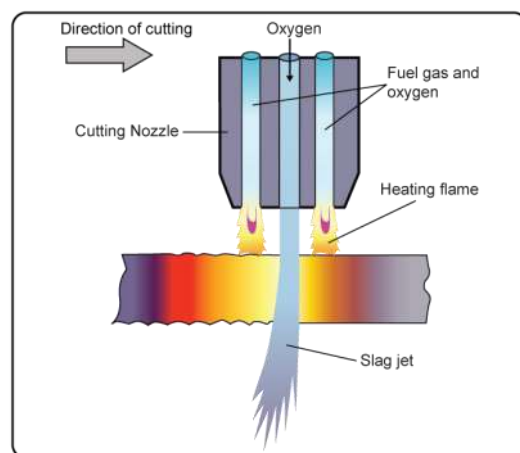
### SAW Welding



### PAC / Plasma Arc Cutting



### Gas Cutting



\* For Welding Accessories please refer to Product Catalog D



## CONTENTS

Process	Phase	Output	Current	Group Name	Brand	Item Name	Page
MMA	1 P	DC	140 A	MMA DC IGBT Inverter 1P	Kobewel	S 141 i	C 1 - C 2
MMA	1 P	DC	160 A	MMA DC IGBT Inverter 1P	Kobewel	S 161 i	C 1 - C 2
MMA	1 P	DC	200 A	MMA DC IGBT Inverter 1P	Kobewel	S 201 i	C 1 - C 2
MMA	3 P	DC	250 A	MMA DC IGBT Inverter 3P	Kobewel	S 250 i	C 3 - C 4
MMA	3 P	DC	350 A	MMA DC IGBT Inverter 3P	Kobewel	S 350 i	C 3 - C 4
MMA	3 P	DC	500 A	MMA DC IGBT Inverter 3P	Kobewel	S 500 i	C 3 - C 4
MMA	1 P	DC	140 A	MMA DC IGBT Inverter 1P	DACH	Power 140 i	C 5 - C 6
MMA	1 P	DC	140 A	MMA DC IGBT Inverter 1P	DACH	Power 180 i	C 5 - C 6
MMA	3 P	DC	400 A	MMA Inverter 3P	DACH	Power 400 i	C 7 - C 8
MMA	3 P	DC	300 A	MMA DC Rectifier	Kobewel	KA 302	C 9 - C 10
MMA	3 P	DC	400 A	MMA DC Rectifier	Kobewel	KA 402	C 9 - C 10
MMA	3 P	DC	600 A	MMA DC Rectifier	Kobewel	KA 602	C 9 - C 10
MMA	3 P	DC	300 A	MMA DC Rectifier	Kobewel	Racking KR-01 - KA 302 x 4	C 11 - C 12
MMA	3 P	DC	400 A	MMA DC IGBT Inverter	Weldking	Racking 6 x ZX7-400	C 13 - C 14
MMA	3 P	DC	250 A	MMA DC IGBT Inverter	Migatronic	Pi 250 E	C 15 - C 18
MMA	3 P	DC	350 A	MMA DC IGBT Inverter	Migatronic	Pi 350 E	C 15 - C 18
MMA	3 P	DC	500 A	MMA DC IGBT Inverter	Migatronic	Pi 500 E	C 15 - C 18
MMA	2 P	AC	300 A	MMA AC Transformer	Daichi	DN 300 AL	C 19
MMA	2 P	AC	400 A	MMA AC Transformer	Daichi	DN 400 AL	C 19
MMA	2 P	AC	500 A	MMA AC Transformer	Daichi	DN 500 AL	C 19
SAW	3 P	DC	1000 A	SAW Machine	Kobewel	Power Source CC/CV Inverter - S 1000 i	C 20
SAW		AC		SAW Machine	Kobewel	SAW - Tractor 1000	C 21 - C 22
SAW	3 P	DC	1000 A	SAW Machine	Weldking	Master 1000 CC/CV	C 23
SAW		AC		SAW Machine	Weldking	SAW Machine - X 1000 Tractor	C 24 - C 25
MIG MAG	3 P	DC	300 A	Voltage Sensing Wire Feeder	Kemppi	ArcFeed 300	C 26 - C 27
MIG MAG	3 P	DC	300 A	Voltage Sensing Wire Feeder	Kemppi	ArcFeed 300 RC	C 26 - C 27
MIG MAG	3 P	DC	220 A	Mig Mag Step Switch - Compact	Kobewel	KM 220 D	C 28 - C 29
MIG MAG	3 P	DC	285 A	Mig Mag Step Switch - Compact	Kobewel	KM 285 D	C 28 - C 29
MIG MAG	3 P	DC	250 A	Mig Mag IGBT Inverter - Compact	Weldking	250 i CC/CV	C 30 - C 31
MIG MAG	3 P	DC	250 A	Mig Mag Inverter Mobile	Kemppi	Kempact Mig 2530	C 32 - C 33
MIG MAG	3 P	DC	270 A	Mig Mag Inverter - Pulse - Compact	Migatronic	Automig <sup>2</sup> 273 i	C 34 - C 35















## CONTENTS

Process	Phase	Output	Current	Group Name	Brand	Item Name	Page
MIG MAG	3 P	DC	300 A	Mig Mag Inverter - Basic - Compact	Migatronic	Omega <sup>2</sup> 300 with Basic Panel	C 36 - C 37
MIG MAG	3 P	DC	285 A	Mig Mag Step Switch - Wire Feeder	Kobewel	KMD 285	C 38 - C 41
MIG MAG	3 P	DC	350 A	Mig Mag Step Switch - Wire Feeder	Kobewel	KMD 352	C 38 - C 41
MIG MAG	3 P	DC	500 A	Mig Mag Step Switch - Wire Feeder	Kobewel	KMD 502	C 38 - C 41
MIG MAG	3 P	DC	350 A	Mig Mag Thyristor - Wire Feeder	Kobewel	KMX 352	C 42 - C 43
MIG MAG	3 P	DC	500 A	Mig Mag Thyristor - Wire Feeder	Kobewel	KMX 502	C 42 - C 43
MIG MAG	3 P	DC	350 A	Mig Mag Thyristor - Wire Feeder	Kobewel	KMX 353	C 44 - C 45
MIG MAG	3 P	DC	500 A	Mig Mag Thyristor - Wire Feeder	Kobewel	KMX 503	C 44 - C 45
MIG MAG	3 P	DC	300 A	Mig Mag Inverter - CC/CV	Kobewel	Xi 300	C 46 - C 47
MIG MAG	3 P	DC	350 A	Mig Mag Inverter - CC/CV Wire Feeder	Kobewel	Xi 350	C 48 - C 49
MIG MAG	3 P	DC	500 A	Mig Mag Inverter - CC/CV Wire Feeder	Kobewel	Xi 500	C 50 - C 52
MIG MAG	3 P	DC	400 A	Mig Mag Inverter - Pulse	Migatronic	Sigma Galaxy 400 S-W + Trolley	C 53 - C 55
MIG MAG	3 P	DC	400 A	Mig Mag Inverter - FastMig Synergic	Kemppi	KMS 400 Fastroot	C 56 - C 58
MIG MAG	3 P	DC	500 A	Mig Mag Inverter - FastMig Synergic	Kemppi	KMS 500	C 59 - C 61
MIG MAG	3 P	DC	350 A	Mig Mag Inverter	Kemppi	XiM 350	C 62 - C 63
TIG	1 P	DC	160 A	TIG DC Pulse Inverter	Kobewel	T 201 P DC	C 64 - C 65
TIG	1 P	DC	200 A	TIG AC/DC IGBT Inverter	Kobewel	T 201 P AC/DC	C 66 - C 67
MMA	3 P	DC	300 A	TIG DC IGBT Inverter	Kobewel	T 300 h	C 68 - C 69
MMA	3 P	DC	350 A	TIG DC IGBT Inverter	Kobewel	T 350 h	C 68 - C 69
TIG	3 P	DC	400 A	TIG DC IGBT Inverter	Kemppi	MasterTig 4000 MLS - Water Cooled	C 70 - C 71
TIG	3 P	DC	400 A	TIG DC Thyristor	Kobewel	KAX 402	C 72 - C 73
Spot Welding	1 P	DC		Portable Spot Welding	Daichi	HSP 45	C 74
Spot Welding	2 P	DC		Pneumatic Spot Welding	Daichi	ASP 9000	C 75
Stud Welding	3 P		2500 A	Drawn Arc Stud Welding	Jinda	RSN 2500 II	C 76
PAC	1 P	DC	40 A	Plasma Cutting Rectifier	Kobewel	Plasma Cutting AP 40	C 77
PAC	3 P	DC	70 A	Plasma Cutting Rectifier	Kobewel	Plasma Cutting AP 70	C 78
PAC	3 P	DC	70 A	Plasma Cutting Rectifier	Kobewel	Plasma Cutting AP 120	C 79
PAC	1 P	DC	40 A	Plasma Cutting Inverter	Kobewel	PC 40 i	C 80
PAC	3 P	DC	70 A	Plasma Cutting Inverter	Kobewel	PC 70 i	C 81 - C 82
PAC	3 P	DC	100 A	Plasma Cutting Inverter	Kobewel	PC 100 i	C 81 - C 82
PAC	3 P	DC	130 A	Plasma Cutting Inverter	Kobewel	PC 130 i	C 81 - C 82

**CONTENTS**

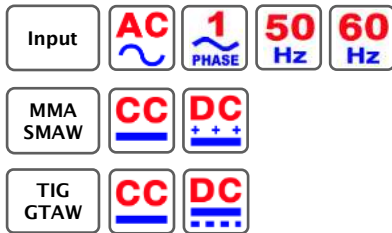
<b>Process</b>	<b>Phase</b>	<b>Output</b>	<b>Current</b>	<b>Group Name</b>	<b>Brand</b>	<b>Item Name</b>	<b>Page</b>
GC	1 P			Gas Cutting Machine	Kobewel	KC 12 Handy - Portable Cutting Torch	C 83
GC	1 P			Gas Cutting Machine	Kobewel	KC 12 Mini - Portable Straight Line	C 84
GC	1 P			Gas Cutting Machine	Kobewel	KC 12 Beetle - Straight Line 1 Torch	C 85
GC	1 P			Gas Cutting Machine	Kobewel	KC 12 Max 3 - Straight Line 2 Torches	C 86
GC	1 P			Gas Cutting Machine	Kobewel	KC 150 - Profile Cutting	C 87
GC	1 P			Gas Cutting Machine	Kobewel	KC 2 - H - Beam Cutting	C 88
GC	1 P			Gas Cutting Machine	Kobewel	KC 11 - Pipe Cutting	C 89
GC	1 P			Gas Cutting Machine	Kobewel	KC 11 A - Automatic Pipe Cutting	C 90
GC	1 P			Gas Cutting Machine	Kobewel	KC 100 - Welding Carriage	C 91
GC	1 P			Gas Cutting Machine	Kobewel	KC 200 - Welding Carriage	C 92
GC	1 P			Gas Cutting Machine	Kobewel	KC 300 - Welding Carriage	C 93
Cooling	1 P			Water Cooler Machine	Kobewel	D 300 - Water Cooler Machine	C 94
Others				Accessories	Kemppi	Arc Timer	C 95

## Sign of Welding

Input		Electricity input is AC
		Electricity input is 1 phase
		Electricity input is 2 phase
		Electricity input is 3 phase
		Electricity input frequency is 50 Hz
		Electricity input frequency is 60 Hz
Output		Welding output is Constant Current
		Welding output is Constant Voltage
		Welding output is DC plus
		Welding output is DC minus
		Welding output is AC Sine Wave
		Welding output is AC Square Wave
		Welding output is combination of AC + DC
		Pulse system



## MMA DC IGBT Inverter 1 Phase S series



S 141 i

S 161 i

S 201 i

### Main Applications

- Installations and outfitting
- Repair and maintenance
- Chemical and process industry
- Mechanical and electrical

### Advantageous

- MMA / SMAW DC Inverter welding machine, feature exceptional ignition and welding properties
- Compact design and minimal weight, ideally use for small workshop, site environment, etc
- IGBT Inverter Technology for more durability compared with previous generation
- Can weld cellulose electrode for S 161 i & S 201 i
- Automatic Hot Start and Anti Stick functions for all machines
- Automatic Arc Force for S 141 i and adjustable Arc Force for S 161 i and S 201 i
- Digital display for accurate welding current adjustment
- Selector switch for Tig welding with Lift Arc ignition

MMA	S 141 i	S 161 i	S 201 i
Electrode range	1.6 - 3.2 mm	1.6 - 4.0 mm	1.6 - 5.0 mm
Material thickness	1 - 4 mm	1 - 5 mm	1 - 8 mm

TIG	S 141 i	S 161 i	S 201 i
Tungsten range	1.6 - 2.4 mm	1.6 - 2.4 mm	1.6 - 3.2 mm
Material thickness	1 - 2 mm	1 - 3 mm	1 - 4 mm

Specifications	S 141 i	S 161 i	S 201 i
Welding range	10 - 140 A	10 - 160 A	10 - 200 A
Load voltage	20.4 - 25.6 V	20.4 - 26.4 V	20.4 - 28 V
Open circuit voltage	56 V	81 V	81 V
Duty cycle at 60 % ( 40°C )	140 A	-	-
Duty cycle at 80 % ( 40°C )	110 A	160 A	200 A
Duty cycle at 100 % ( 40°C )	-	140 A	180 A
Input power at 80 %	5.5 KVA	6.5 KVA	8.7 KVA
Input current at 80 %	25 A	29.5 A	39.4 A
Input phase	1 Phase	1 Phase	1 Phase
Main voltage, Tolerance	220 V, ± 10 %	220 V, ± 10 %	220 V, ± 10 %
Power factor	0.96	0.97	0.97
Index protection	IP 23	IP 23	IP 23
Insulation class	F	F	F
Cooling	F	F	F
Dimensions ( L x W x H )	450 x 180 x 285 mm	450 x 180 x 285 mm	490 x 220 x 395 mm
Weight	8.6 Kg	9.8 Kg	12.7 Kg

Item Code	Item Name	MoQ
101.01.004.1	S 141 i MMA Package	1 Set
101.01.005.1	S 161 i MMA Package	1 Set
101.01.006.1	S 201 i MMA Package	1 Set



101.01.004.1  
 101.01.005.1  
 101.01.006.1

Item Code	Item Name	MoQ			
<b>Standard Accessories</b>					
101.01.004	MMA DC Inverter - S 141i	1 Unit	•		
101.01.005	MMA DC Inverter - S 161i	1 Unit		•	
101.01.006	MMA DC Inverter - S 201i	1 Unit			•
201.11.001	Plug to Electrode Holder 400 A, 35 mm <sup>2</sup> at 3 m - Inverter	1 Set	•	•	•
201.11.003	Plug to Ground Clamp 300 A, 35 mm <sup>2</sup> at 3 m - Inverter	1 Set	•	•	•

**Optional Accessories for SMAW / MMA**

208.03.009	Plug to Electrode Holder 400 A, 35 mm <sup>2</sup> at 5 m	1 Set	•	•	•
208.03.010	Plug to Electrode Holder 400 A, 35 mm <sup>2</sup> at 10 m	1 Set	•	•	•
208.04.009	Plug to Ground Clamp 200 A, 35 mm <sup>2</sup> at 5 m	1 Set	•	•	•

**Optional Accessories for GTAW / TIG**

208.17.006	Tig Torch - WP 17 V-25-2 at 8 m	1 Set	•	•	•
208.17.007	Tig Torch - WP 26 V-25-2 at 8 m	1 Set	•	•	•
201.23.001	Argon Gas Regulator	1 Pcs	•	•	•
201.03.005	Plug - Trak-SK 35 mm	2 Pcs	•	•	•

**General Accessories**

208.18.001	Torch Holder - TIG	1 Pcs	•	•	•
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs	•	•	•

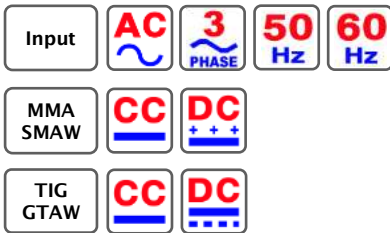


Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
	4.0	2.4	140 - 180	7
Copper	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6





## MMA DC IGBT Inverter 3 Phase S series



S 250 i

S 350 i

S 500 i

### Main Applications

- Shipyards
- Metal tanks
- Steel fabricator
- Construction
- Sheet metal
- Medium to heavy industries
- Chemical and process industry
- Mechanical and electrical

### Advantageous

- MMA / SMAW DC Inverter welding machine, feature exceptional ignition and welding properties
- Compact and robust design, user friendly panel design
- IGBT Inverter Technology for more durability
- Can weld cellulose electrode
- Adjustable hot start for easily starting welding current
- Adjustable arc force for easily control the arc
- Anti stick function to cut down the welding current to minimum when the electrode is stuck to the work-piece for safety
- Digital display for accurate welding amperage adjustment
- Selector switch for Tig welding with Lift Arc ignition
- Remote control device for S 350 i and S 500 i

MMA	S 250 i	S 350 i	S 500 i
Electrode range	1.6 - 6.0 mm	1.6 - 8.0 mm	1.6 - 10.0 mm
Material thickness	1 - 10 mm	1 - 16 mm	1 - 20 mm

TIG	S 250 i	S 350 i	S 500 i
Tungsten range	1.6 - 4.0 mm	1.6 - 4.0 mm	1.6 - 4.0 mm
Material thickness	1 - 5 mm	1 - 8 mm	1 - 10 mm

Specifications	S 250 i	S 350 i	S 500 i
Welding range	10 - 250 A	20 - 350 A	20 - 500 A
Load voltage	20.8 - 30 V	20.8 - 34 V	20.8 - 40 V
Open circuit voltage	81 V	81 V	81 V
Duty cycle at 80 % ( 40°C )	250 A	-	-
Duty cycle at 100 % ( 40°C )	224 A	350 A	500 A
Input power at 80 %	9.5 KVA	15 KVA	25 KVA
Input current at 80 %	14.5 A	23 A	38 A
Input phase	3 Phase	3 Phase	3 Phase
Main voltage, Tolerance	380 V, ± 15 %	380 V, ± 20 %	380 V, ± 20 %
Power factor	0.93	0.93	0.93
Index protection	IP 23	IP 23	IP 23
Insulation class	F	F	F
Cooling	F	F	F
Dimensions ( L x W x H )	490 x 220 x 395 mm	600 x 360 x 580 mm	600 x 360 x 580 mm
Weight	20 Kg	31 kg	35 kg

Item Code	Item Name	MoQ
101.02.003.1	S 250 i - MMA DC IGBT Inverter	1 Set
101.02.004.1	S 350 i - MMA Package	1 Set
101.02.005.1	S 500 i - MMA Package	1 Set

• Remote control RC-02



Remote Control RC-02

Item Code	Item Name	MoQ			
<b>Standard Accessories</b>					
101.02.003	MMA DC IGBT Inverter - S 250i	1 Unit	•		
101.02.004	MMA DC IGBT Inverter - S 350i	1 Unit		•	
101.02.005	MMA DC IGBT Inverter - S 500i	1 Unit			•
201.11.015	Plug to Ground Clamp 300 A, 50 mm <sup>2</sup> at 3 m - S Series IGBT Inverter	1 Set	•		
201.11.016	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 3 m - S Series IGBT Inverter	1 Set	•		
208.04.007	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 5 m	1 Set		•	•
208.03.005	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 5 m	1 Set		•	•

**Optional Accessories for SMAW / MMA**

208.03.002	Plug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 10 m	1 Set			•
208.03.003	Plug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 20 m	1 Set			•
208.03.006	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 10 m	1 Set		•	
208.03.007	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 20 m	1 Set		•	
208.03.009	Plug to Electrode Holder 400 A, 35 mm <sup>2</sup> at 5 m	1 Set	•		
208.03.010	Plug to Electrode Holder 400 A, 35 mm <sup>2</sup> at 10 m	1 Set	•		
208.04.005	Plug to Ground Clamp 600 A, 70 mm <sup>2</sup> at 10 m	1 Set			•
208.04.006	Plug to Ground Clamp 600 A, 70 mm <sup>2</sup> at 15 m	1 Set			•
208.04.008	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 10 m	1 Set		•	
208.04.009	Plug to Ground Clamp 200 A, 35 mm <sup>2</sup> at 5 m	1 Set	•		

**Optional Accessories for GTAW / TIG**

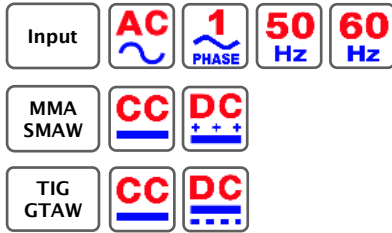
208.17.006	Tig Torch - WP 17 V-25-2 at 8 m	1 Set	•	•	•
208.17.007	Tig Torch - WP 26 V-25-2 at 8 m	1 Set	•	•	•
201.23.001	Argon Gas Regulator	1 Pcs	•	•	•
203.01.005	Plug - Trak-SK 35 mm	2 Pcs	•	•	•

**General Accessories**

208.18.001	Torch Holder - TIG	1 Pcs	•	•	•
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs	•	•	•



Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
	4.0	2.4	140 - 180	7
Copper	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6



## MMA DC IGBT Inverter 1 Phase



Power 140 i

Power 180 i

### Main Applications

- Suitable for small workshop
- Maintenance and repair
- Mechanical and Electrical

### Advantageous

- MMA with IGBT Inverter technology
- Stable welding current and less welding spatter
- Automatic Arc Force and Anti Stick Technology
- Compact design and light in weight

MMA	Power 140 i	Power 180 i
Weldable electrodes	1.6 - 3.2 mm	1.6 - 4.0 mm
Material thickness	1 - 4 mm	1 - 6 mm

TIG	Power 140 i	Power 180 i
Tungsten range	1.0 - 1.6 mm	1.0 - 2.4 mm
Material thickness	1 - 2 mm	1 - 3 mm

Specifications	Power 140 i	Power 180 i
Welding range	20 - 140 A	10 - 180 A
Load voltage	20.8 - 25.6 V	20.8 - 27.2 V
No load voltage	56 V	62 V
Current at 60 % ( 40° C )	140 A	180 A
Current at 100 % ( 40° C )	110 A	139 A
Input power at 100 %	5.5 KVA	7.6 KVA
Input current at 100 %	17.8 A	24.4 A
Input phase	1 P	1 P
Main voltage, Tolerance	220 V, ± 10 %	220 V, ± 10 %
Power factor	0.76	0.76
Protection class	IP 23	IP 23
Insulation	F	F
Cooling	F	F
Dimensions ( L x W x H )	350 x 190 x 270 mm	460 x 230 x 350 mm
Weight	5.5 Kg	7 Kg

Item Code	Item Name
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- |            |  |
|------------|--|
| 108.04.001 | <b>MMA Inverter - Power 140 i</b> <ul style="list-style-type: none"> <li>• Plug to Ground, 16 mm<sup>2</sup> at 1.5 m</li> <li>• Plug to Electrode Holder, 16 mm<sup>2</sup> at 2 m</li> </ul> |
|------------|--|

- |            |  |
|------------|--|
| 108.04.002 | <b>MMA Inverter - Power 180 i</b> <ul style="list-style-type: none"> <li>• Plug to Ground, 25 mm<sup>2</sup> at 1.5 m</li> <li>• Plug to Electrode Holder, 25 mm<sup>2</sup> at 2 m</li> </ul> |
|------------|--|



Item Code	Item Name	MoQ		
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**Optional Accessories for GTAW / TIG**

208.17.006	Tig Torch - WP 17 V-25-2 at 8 m	1 Set	•	•
208.17.007	Tig Torch - WP 26 V-25-2 at 8 m	1 Set	•	•
201.23.001	Argon Gas Regulator	1 Pcs	•	•
203.01.004	Plug - Trak-SK 10-25 mm	2 Pcs	•	
203.01.005	Plug - Trak-SK 35 mm	2 Pcs		•

**General Accessories**

208.18.001	Torch Holder - TIG	1 Pcs	•	•
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs	•	•



Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
	4.0	2.4	140 - 180	7
Copper	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6





## MMA Inverter Power 400i



### Main Applications

- Installations and Outfitting
- Steel Fabricator
- Chemical and Process Industry
- Mechanical and Electrical
- Construction
- Metal Tank
- Sheet Metal
- Shipyard

### Advantageous

- MMA / SMAW DC Inverter welding machine, feature exceptional ignition and welding properties
- Compact design, minimal weight & user friendly
- IGBT Inverter Technology for more durability
- Digital display for Welding Current
- Adjustable Hot Start for easily starting welding current
- Adjustable Arc Force function to reduce spatter
- Scratch TIG function - DC Welding
- Selector switch for Lift Arc TIG Welding
- Support for remote control device

MMA	Power 400 i
Weldable electrodes	1.6 - 8.0 mm
Material thickness	1 - 18 mm

TIG	
Tungsten range	1.6 - 4.0 mm
Material thickness	1 - 10 mm

Specifications	
Welding range	30 - 400 A
Load voltage	21.2 - 36 V
No load voltage	66 V
Current at 60 % ( 40° C )	400 A
Current at 100 % ( 40° C )	310 A
Input power at 100 %	14.2 KVA
Input current at 100 %	21.4 A
Input phase	3 P
Main voltage, Tolerance	380 V, ± 10 %
Power factor	0.95
Protection class	IP 21S
Insulation	F
Cooling	F
Dimensions ( L x W x H )	618 x 330 x 441 mm
Weight	24 Kg

Item Code	Item Name
108.05.001.1	MMA Inverter - Power 400 i Package



Item Code	Item Name	MoQ
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**Standard Accessories**

108.05.001	MMA Inverter - Power 400i	1 Unit
208.29.003	Plug to Ground Clamp 400 A, at 3 m	1 Set
208.29.002	Plug to Electrode Holder 400 A, at 3 m	1 Set

**Optional Accessories for SMAW / MMA**

208.03.001	Plug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 5 m	1 Set
208.03.002	Plug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 10 m	1 Set
208.03.003	Plug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 20 m	1 Set
208.03.006	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 10 m	1 Set
208.03.007	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 20 m	1 Set
208.03.008	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 25 m	1 Set
208.04.004	Plug to Ground Clamp 600 A, 70 mm <sup>2</sup> at 5 m	1 Set
208.04.005	Plug to Ground Clamp 600 A, 70 mm <sup>2</sup> at 10 m	1 Set
208.04.006	Plug to Ground Clamp 600 A, 70 mm <sup>2</sup> at 15 m	1 Set
208.04.008	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 10 m	1 Set
208.29.001	Remote Control - Power 400 i - at 10 m	1 Set

**Optional Accessories for GTAW / TIG**

208.17.006	Tig Torch - WP 17 V-25-2 at 8 m	1 Set
208.17.007	Tig Torch - WP 26 V-25-2 at 8 m	1 Set
201.23.001	Argon Gas Regulator	1 Pcs
203.01.005	Plug - Trak-SK 35 mm	2 Pcs

**General Accessories**

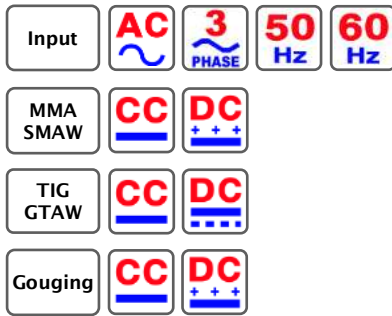
208.18.001	Torch Holder - TIG	1 Pcs
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs



Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
	4.0	2.4	140 - 180	7
Copper	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6



## MMA DC Rectifier - KA Series



KA 302

KA 402

KA 602

### Main Applications

- Steel fabricator
- Shipyards
- Construction
- Metal tanks
- Sheet metal
- Medium to heavy industries



Remote Control for KA

### Advantageous

- Kobewel KA Series is a three phase power source with Thyristor control. So welding current is electrically adjusted to assure excellent stable arc for quality welding
- Suitable for MMA, TIG and Carbon Gouging processes in direct current for superb welding operations on steel, stainless steel, etc
- The forced air cooling system and thermal overload protection strengthen the quality and the robustness of the machine
- Hot Start for easily starting welding current
- Built for versatile and efficiency to meet the requirement of today's medium and heavy industries applications
- Arc Force for easily control the arc
- Anti Stick to cut down the welding current to minimum when the electrode is stuck to the work piece for safety
- Remote Control for adjusting the welding current and hot start

Specifications	KA 302	KA 402	KA 602
Electrode range	1.6 - 7.0 mm	1.6 - 10.0 mm	1.6 - 10.0 mm
Welding range	15 - 320 A	15 - 420 A	15 - 620 A
Open circuit voltage	80 V DC	80 V DC	80 V DC
Duty cycle at max. current	60 %	60 %	60 %
Suitable for	SMAW = MMA GTAW = TIG Gouging	SMAW = MMA GTAW = TIG Gouging	SMAW = MMA GTAW = TIG Gouging
Input voltage, Tolerance	380 V, ± 10 %	380 V, ± 10 %	380 V, ± 10 %
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Input phase	3 Phase	3 Phase	3 Phase
Power consumption	24.2 KVA	32.3 KVA	49 KVA
Insulation class	H	H	H
Index protection	IP 23	IP 23	IP 23
Net weight	150 Kg	162 Kg	250 Kg
Dimension ( L x W x H )	680 x 465 x 650 mm	680 x 515 x 670 mm	824 x 593 x 840 mm

Item Code	Item Name	MoQ
101.03.001.1	KA 302 - Standard Package	1 Set
101.03.001.2	KA 302 - MMA Package	1 Set
101.03.002.1	KA 402 - Standard Package	1 Set
101.03.002.2	KA 402 - MMA Package	1 Set
101.03.003.1	KA 602 - Standard Package	1 Set
101.03.003.2	KA 602 - MMA Package	1 Set



Item Code	Item Name	MoQ						
			101.03.001.1	101.03.001.2	101.03.002.1	101.03.002.2	101.03.003.1	101.03.003.2
<b>Standard Accessories</b>								
101.03.001	MMA DC Rectifier - KA 302	1 Unit	•	•				
101.03.002	MMA DC Rectifier - KA 402	1 Unit			•	•		
101.03.003	MMA DC Rectifier - KA 602	1 Unit					•	•
501.38.063	Welding Cable Plug 35-50 mm	2 Pcs	•	•				
501.38.064	Welding Cable Plug 50-70 mm	2 Pcs					•	
<b>Optional Accessories for SMAW / MMA</b>								
208.03.001	Plug to Electrode Holder 600 A, 70 mm2 at 5 m	1 Set					•	•
208.03.002	Plug to Electrode Holder 600 A, 70 mm2 at 10 m	1 Set					•	•
208.03.003	Plug to Electrode Holder 600 A, 70 mm2 at 20 m	1 Set					•	•
208.03.004	Plug to Electrode Holder 600 A, 70 mm2 at 30 m	1 Set					•	•
208.03.005	Plug to Electrode Holder 400 A, 50 mm2 at 5 m	1 Set	•	•	•	•		
208.03.006	Plug to Electrode Holder 400 A, 50 mm2 at 10 m	1 Set	•	•	•	•		
208.03.007	Plug to Electrode Holder 400 A, 50 mm2 at 20 m	1 Set	•	•	•	•		
208.03.008	Plug to Electrode Holder 400 A, 50 mm2 at 25 m	1 Set	•	•	•	•		
208.04.004	Plug to Ground Clamp 600 A, 70 mm2 at 5 m	1 Set					•	•
208.04.005	Plug to Ground Clamp 600 A, 70 mm2 at 10 m	1 Set					•	•
208.04.006	Plug to Ground Clamp 600 A, 70 mm2 at 15 m	1 Set					•	•
208.04.007	Plug to Ground Clamp 600 A, 50 mm2 at 5 m	1 Set	•	•	•	•		
208.04.008	Plug to Ground Clamp 600 A, 50 mm2 at 10 m	1 Set	•	•	•	•		
201.01.002	Remote Control - KA Series - RC 01 at 10 m	1 Set	•	•	•	•	•	•
201.01.003	Remote Control - KA Series - RC 01 at 20 m	1 Set	•	•	•	•	•	•
201.01.004	Remote Control - KA Series - RC 01 at 30 m	1 Set	•	•	•	•	•	•
<b>Optional Accessories for GTAW / TIG</b>								
208.17.006	Tig Torch - WP 17 V-25-2 at 8 m	1 Set		•		•		•
208.17.007	Tig Torch - WP 26 V-25-2 at 8 m	1 Set		•		•		•
201.23.001	Argon Gas Regulator	1 Pcs		•		•		•
203.01.005	Plug - Trak-SK 35 mm	2 Pcs		•		•		
203.01.006	Plug - Trak-SK 70 mm	2 Pcs						•
<b>Optional Accessories for Gouging</b>								
201.27.003	Gouging Torch G4 - 1000 A - 2.1 m / 7 feet	1 Set		•		•		•
<b>General Accessories</b>								
208.18.001	Torch Holder - TIG	1 Pcs		•		•		•
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs	•	•	•	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs	•	•	•	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs	•	•	•	•	•	•





## Racking KR-01 - KA 302 x 4



### Main Applications

- Steel fabrication
- Metal tanks
- Sheet metal works
- Ship building

### Process

- MMA ( SMAW )
- TIG ( GTAW )

### Advantageous

- Safety in electricity control panel, the primary and secondary main control breaker ( MCB ) for the rack and machines
- Its a three phase power source with Thyristor control. So welding current is electrically adjusted to assure excellent stable arc for quality welding
- Suitable for MMA and TIG processes in direct current for superb welding operations on steel, stainless steel, etc
- Built for versatile and efficiency to meet the requirement of today's medium and heavy Industries applications
- The forced air cooling system and thermal overload protection strengthen the quality and the robustness of the machine
- Robust all weather casing, covers and protects machines
- 4 machines in one racking to make jobs easier
- Designated fork pockets for forklift mobilization
- Lifting eye for easy mobilization on overhead lifting

Specifications	Racking KR-01 - KA 302 x 4
Electrode range	1.6 - 7.0 mm
Welding range	15 - 320 A
Open circuit voltage	80 V DC
Duty cycle at max. current	60 %
Suitable for	SMAW = MMA GTAW = TIG
Input voltage, Tolerance	380 V, ± 10 %
Frequency	50 / 60 Hz
Input phase	3 Phase
Power consumption	96.8 KVA
Insulation class	H
Index protection	IP 23
Weight ( include machines )	860 Kg
Dimension ( L x W x H )	795 x 1448 x 1858 mm



Main Control Box



Robust lifting hook



Fork pockets for forklift





Item Code	Item Name	MoQ
101.03.005	<b>Racking KR-01 - KA 302 x 4</b>	<b>1 Set</b>
	<ul style="list-style-type: none"> <li>• 4 units MMA DC Rectifier KA 302</li> <li>• Racking KR-1</li> </ul>	

Item Code	Item Name	MoQ
<b>Standard Accessories</b>		
208.03.005	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 5 m	1 Set
208.03.006	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 10 m	1 Set
208.03.007	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 20 m	1 Set
208.03.008	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 25 m	1 Set
208.04.001	Plug to Ground Clamp 600 A, 95 mm <sup>2</sup> at 5 m	1 Set
208.04.002	Plug to Ground Clamp 600 A, 95 mm <sup>2</sup> at 10 m	1 Set
208.04.003	Plug to Ground Clamp 600 A, 95 mm <sup>2</sup> at 15 m	1 Set

**Optional Accessories for SMAW / MMA**

201.01.002	Remote Control - KA Series - RC 01 at 10 m	1 Set
201.01.003	Remote Control - KA Series - RC 01 at 20 m	1 Set
201.01.004	Remote Control - KA Series - RC 01 at 30 m	1 Set

**Optional Accessories for GTAW / TIG**

208.17.006	Tig Torch - WP 17 V-25-2 at 8 m	1 Set
208.17.007	Tig Torch - WP 26 V-25-2 at 8 m	1 Set
201.23.001	Argon Gas Regulator	1 Pcs
203.01.005	Plug - Trak-SK 35 mm	2 Pcs

**General Accessories**

208.18.001	Torch Holder - TIG	1 Pcs
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs



Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
	4.0	2.4	140 - 180	7
Copper	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6



## MMA DC IGBT Inverter Racking 6 x ZX7-400



Racking 6 x ZX7 400

### Main Applications

- Steel fabrication
- Metal tanks
- Sheet metal works
- Ship building

### Process

- MMA ( SMAW )
- TIG ( GTAW )

### Advantageous

- High Frequency 20 KHz IGBT Inverter technology make it light-weight and energy saving
- Lifting eye for easy mobilization and de-mobilization
- Safety in electricity control panel the primary and secondary Main Control Breaker ( MCB ) for the rack and machines
- Automatic Hot Start, Adjustable Arc Force and Anti Stick Function
- 6 machines in one robust all weather racking to make jobs easier
- PWM control technology and advanced circuitry allows input voltage of  $\pm 15\%$  for optimal and constant welding current
- Digital display for welding current and VRD ( Voltage Reduce Device )
- Selector switch for Tig welding with Lift Arc ignition

### MMA

Electrode range	1.6 - 8.0 mm
Material thickness	1 - 13 mm

### TIG

Tungsten range	1.6 - 4.0 mm
Material thickness	1 - 7 mm

### Specifications

Welding range	40 - 400 A
Load voltage	21.6 - 36.0 V
Open circuit voltage	70 V
Duty cycle at 60 % ( 40°C )	400 A
Duty cycle at 100 % ( 40°C )	340 A
Input power	106 KVA
Input current	162 A
Input phase	3 Phase
Main voltage, Tolerance	380 V, $\pm 15\%$
Frequency	50 / 60 Hz
Efficiency	0.85
Power factor	0.93
Index protection	IP 23
Insulation class	F
Cooling	F
Racking Content	6 x ZX7 400
Dimensions ( L x W x H )	1.380 x 1.050 x 1.750 mm
Weight	360 Kg



Item Code	Item Name	MoQ
105.08.001	MMA DC IGBT Inverter - Racking 6 x ZX7-400	1 Set
	• MMA DC Inverter - ZX7 400	

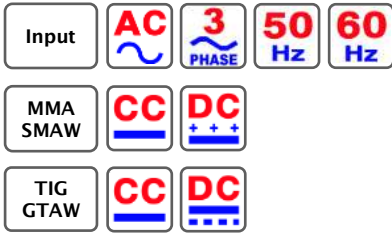
Item Code	Item Name	MoQ
<b>Standard Alternative</b>		
208.07.005	Lug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 5 m	1 Set
208.07.006	Lug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 10 m	1 Set
208.07.003	Lug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 20 m	1 Set
208.07.004	Lug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 30 m	1 Set
205.07.001	Lug to Ground Clamp Cable size 120 mm <sup>2</sup> at 3 m	1 Set
205.07.002	Lug to Ground Clamp Cable size 120 mm <sup>2</sup> at 6 m	1 Set
205.07.003	Lug to Ground Clamp Cable size 120 mm <sup>2</sup> at 15 m	1 Set

**Optional Accessories for GMAW / TIG**

208.17.006	Tig Torch - WP 17 V-25-2 at 8 m	1 Set
208.17.007	Tig Torch - WP 26 V-25-2 at 8 m	1 Set
201.23.001	Argon Gas Regulator	1 Pcs



Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
	4.0	2.4	140 - 180	7
Copper	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6



## MMA DC IGBT Inverter



PI 250 E

PI 350 E

PI 500 E

### Main Applications

- Installations and outfitting
- Repair and maintenance
- Chemical and process industry
- Construction
- Ship building

### Advantageous

- Advanced MMA, the easy way, Migatronik PI are user friendly welding machines, which meet every need for MMA and TIG welding. High performance inverter machines for precision welding in mild steel, stainless steel, aluminum and other high-alloy materials. Migatronik PI machine can be applied for any type of welding operation : repair, assembly, construction, industry and etc. Migatronik's PI machines combine proven inverter technology with new control and communication options. These features optimize welding performance and make the most advanced functions easy to use
- Hot start is a function that helps to establish the arc at the beginning of MMA welding. This can be achieved by increasing welding current ( when the electrode is applied to the work-piece ) in relation to the set value. This increased start amp is maintained for half a second, after which it decreases to the set value of welding current
- The arc power function is used to stabilize the arc in MMA welding. This can be achieved by increasing welding current during the short circuits. The additional current ceases when the short circuit is no longer present
- Fan reduced noise and energy consumption, Migatronik PI was developed with respect for both environment and work environment. The infinitely variable fan operates precisely and adapts automatically to the actual load / cooling requirement of the machine. The results are reduced noise level, energy consumption and dust intake and longer life of the machine
- Gouging for Thick Material, Pi 500 features gouging function for gouging root passes or locating lack of fusion
- All PI MMA machines are supplied as standard with TIG LIFTIG® function ( ignition without HF ) for TIG welding in electrically sensitive environments
- Robust and reliable welding quality, All Pi machines are delivered with coated PCB's and carry Eurocodes calibration certificate



### Buttons Explanation :

- LIFTIG Ignition Mode
- Hot Start Function
- Arc Power Function
- Internal / External Adjustment

MMA	PI 250 E	PI 350 E	PI 500 E
Electrode range	1.6 - 6.0 mm	1.6 - 8.0 mm	1.6 - 10.0 mm
Material thickness	1 - 14 mm	1 - 18 mm	1 - 20 mm

TIG	PI 250 E	PI 350 E	PI 500 E
Tungsten range	1.6 - 4.0 mm	1.6 - 4.0 mm	1.6 - 4.0 mm
Material thickness	1 - 8 mm	1 - 10 mm	1 - 12 mm

Specifications			
Welding range	5 - 250 A	5 - 350 A	5 - 500 A
Open circuit voltage	95 V	95 V	95 V
Duty cycle at 35 % ( 40°C )	250 A	-	-
Duty cycle at 40 % ( 40°C )	-	350 A	500 A
Duty cycle at 60 % ( 40°C )	190 A / 27.6 V	325 A	400 A
Duty cycle at 100 % ( 40°C )	150 A / 26.0 V	280 A	330 A
Input power at 60 %	9.0 KVA	16.0 KVA	23.0 KVA
Input current at 60 %	7.1 A	17.1 A	22.5 A
Input phase	3 Phase	3 Phase	3 Phase
Main voltage, Tolerance	400 V, ± 15 %	400 V, ± 15 %	400 V, ± 15 %
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Power factor	0.90	0.80	0.80
Index protection	IP 23 S	IP 23 S	IP 23 S
Insulation class	H	H	H
Cooling	F	F	F
Dimensions ( L x W x H )	520 x 220 x 360 mm	640 x 250 x 550 mm	640 x 250 x 550 mm
Weight	20 Kg	30 Kg	33 Kg

Item Code	Item Name	MoQ
<b>135.02.001.1</b>	<b>PI 250 E - MMA Package</b>	<b>1 Set</b>
	• PI MMA Control Panel with LIFTIG® ignition	
<b>135.02.002.1</b>	<b>PI 350 E - MMA Package</b>	<b>1 Set</b>
<b>135.02.002.2</b>	<b>PI 350 E - Mig Mag Package</b>	<b>1 Set</b>
<b>135.02.002.3</b>	<b>PI 350 E - Inner Shield Package</b>	<b>1 Set</b>
	• PI MMA Control Panel with LIFTIG® ignition	
<b>135.02.003.1</b>	<b>PI 500 E - MMA Package</b>	<b>1 Set</b>
<b>135.02.003.2</b>	<b>PI 500 E - Mig Mag Package</b>	<b>1 Set</b>
<b>135.02.003.3</b>	<b>PI 500 E - Inner Shield Package</b>	<b>1 Set</b>
	• PI MMA Control Panel with LIFTIG® ignition	





Item Code	Item Name	MoQ	135.02.001.1	135.02.002.1	135.02.002.2	135.02.002.3	135.02.003.1	135.02.003.2	135.02.003.3
<b>Standard Accessories</b>									
135.02.001	MMA DC IGBT Inverter - PI 250 E	1 Unit	•						
135.02.002	MMA DC IGBT Inverter - PI 350 E	1 Unit		•	•	•			
135.02.003	MMA DC IGBT Inverter - PI 500 E	1 Unit					•	•	•
235.02.002	Plug to Electrode Holder 400 A, 50 mm2 at 5 m	1 Set	•	•					
235.03.005	Plug to Ground Clamp 600 A, 50 mm2 at 5 m	1 Set	•	•					

**Optional Accessories for GMAW / MIG MAG**

208.04.004	Plug to Ground Clamp 600 A, 70 mm2 at 5 m	1 Set			•	•	•	•	•
208.04.005	Plug to Ground Clamp 600 A, 70 mm2 at 10 m	1 Set			•	•	•	•	•
<b>Optional Accessories for TIG</b>									
102.03.001.1	Arc Feed 300 - Standard Package	1 Set			•	•		•	
102.03.002.1	Arc Feed 300 RC - Standard Package	1 Set			•	•		•	
203.04.001	Mig Torch - Ergoplus 36 at 3 m Long	1 Set			•			•	
203.04.002	Mig Torch - Ergoplus 36 at 4 m Long	1 Set			•			•	
203.04.003	Mig Torch - Ergoplus 36 at 5 m Long	1 Set			•			•	
201.23.003	CO2 Heater 220V Regulator	1 Pcs			•			•	
201.23.004	CO2 Fin Type Regulator	1 Pcs			•			•	

**Optional Accessories for TIG**

208.17.006	Tig Torch - WP 17 V-25-2 at 8 m	1 Set	•	•			•		
208.17.007	Tig Torch - WP 26 V-25-2 at 8 m	1 Set	•	•			•		
201.23.001	Argon Gas Regulator	1 Pcs	•	•			•		



Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
	4.0	2.4	140 - 180	7
Copper	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6

Item Code	Item Name	MoQ	135.02.001.1	135.02.002.1	135.02.002.2	135.02.002.3	135.02.003.1	135.02.003.2	135.02.003.3
<b>General Accessories</b>									
208.18.001	Torch Holder - TIG	1 Pcs	•				•		
208.18.002	Torch Holder - MIG	1 Pcs		•	•	•			
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs	•	•	•	•	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs	•	•	•	•	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs	•	•	•	•	•	•	•
208.03.001	Plug to Electrode Holder 600 A, 70 mm2 at 5 m	1 Set		•	•		•		
208.03.002	Plug to Electrode Holder 600 A, 70 mm2 at 10 m	1 Set		•	•		•		
208.03.003	Plug to Electrode Holder 600 A, 70 mm2 at 20 m	1 Set		•	•		•		
208.03.004	Plug to Electrode Holder 600 A, 70 mm2 at 30 m	1 Set		•	•		•		
208.03.005	Plug to Electrode Holder 400 A, 50 mm2 at 5 m	1 Set	•						
208.03.006	Plug to Electrode Holder 400 A, 50 mm2 at 10 m	1 Set	•						
208.03.007	Plug to Electrode Holder 400 A, 50 mm2 at 20 m	1 Set	•						
208.04.007	Plug to Ground Clamp 400 A, 50 mm2 at 5 m	1 Set	•						
208.04.008	Plug to Ground Clamp 400 A, 50 mm2 at 10 m	1 Set	•						
208.04.005	Plug to Ground Clamp 600 A, 70 mm2 at 10 m	1 Set		•					
201.23.001	Plug to Ground Clamp 600 A, 70 mm2 at 5 m	1 Set		•					
315.01.002.1	Metallotion Protec CE 15 L at 20 ltr Package	1 Liter			•			•	
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can			•			•	
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can			•			•	
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can			•			•	





## MMA AC Transformer



DN 300 AL

DN 400 AL

DN 500 AL

### Main Applications

- Steel fabrication
- Metal tanks
- Sheet metal works
- Shipyards

### Advantageous

- It is a stick welding power source with continuous output control
- The machine produces an extremely smooth welding arc at any amperage setting, for most welding application
- Air cooled transformer
- Continuous amperage adjustment by magnetic shunt
- Easy displacement with wheel
- Suitable for shipyard and heavy to mid welding job

Specifications	DN 300 AL	DN 400 AL	DN 500 AL
Welding range	50 - 300 A	80 - 400 A	80 - 500 A
Load voltage	35 V	40 V	40 V
Open circuit voltage	80 V	80 V	80 V
Duty cycle	40 %	60 %	60 %
Electrode range	1.6 - 6.0 mm	2.6 - 8.0 mm	2.6 - 10.0 mm
Voltage	380 V	380 V	380 V
Input phase	2 Phase	2 Phase	2 Phase
Frequency	50 Hz	50 Hz	50 Hz
Input power	13.0 KW	19.5 KW	23.5 KW
Input current	24.5 KVA	32.5 KVA	41.0 KVA
Input cable	16 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>
Welding cable	50 mm <sup>2</sup>	70 mm <sup>2</sup>	95 mm <sup>2</sup>
Dimension ( L x W x H )	540 x 380 x 640 mm	600 x 410 x 700 mm	630 x 460 x 730 mm
Weight	100 Kg	128 Kg	155 Kg

Item Code	Item Name	MoQ
106.01.001	MMA AC Transformer - DN 300 AL - 2 Phase 380 V	1 Set
106.01.002	MMA AC Transformer - DN 400 AL - 2 Phase 380 V	1 Set
106.01.003	MMA AC Transformer - DN 500 AL - 2 Phase 380 V	1 Set

106.01.001  
106.01.002  
106.01.003

Item Code	Item Name	MoQ
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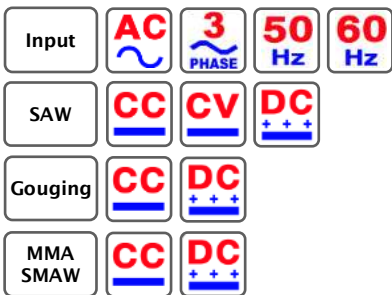
### Optional Accessories for SMAW / MMA

208.07.005	Lug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 5 m	1 Set	•	•	•
208.07.006	Lug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 10 m	1 Set	•	•	•
208.07.003	Lug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 20 m	1 Set	•	•	•
208.08.007	Lug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 5 m	1 Set	•	•	•
208.08.008	Lug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 10 m	1 Set	•	•	•

### General Accessories

201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs	•	•	•





## Power Source CC/CV Inverter S 1000i



S 1000 i - CC/CV

### Main Applications

- Shipyards
- Steel Structure
- Chemical and process industry

### Advantageous

- Welding quality is much better than the traditional thyristor submerged arc welding equipments.
- CC/CV arc characteristics combined with two adaptive feeding modes ( Stick and SAW ), delivers excellent welding performance, meeting the different requirements of various SAW processes.
- Automatic compensation for mains fluctuations with  $\pm 15\%$ .
- Capable of operating with up to 50m long welding cable.
- Highly efficient soft switching IGBT technology. IGBT and MCU technology.
- PWM control technology provides optimal constant output current and superior dynamic characteristics, and assures the consistency of the weld penetration and width even for a long welding bead.
- Digital display control cabinet is the combination of striking design and convenient operation.

Specifications	
Rated output current	1.000 A
Rated output	100 A / 24 V ~ 1.000 A / 44 V
Duty cycle	100 %
Max. open circuit voltage	93 V
Welding current adjustment	Stepless
Suitable for	SAW Gouging SMAW = MMA
Input phase	3 Phase
Input power	380 V at $\pm 15\%$
Frequency	50 / 60 Hz
Rated input current	85 A
Rated input	52.7 KVA
Power factor	0.90
Index protection	IP 21
Weight	115 Kg
Dimension ( L x W x H )	900 x 460 x 810 mm



Item Code	Item Name	MoQ
101.18.001	Power Source CC/CV Inverter - S 1000 i	1 Set
	• Ground Cable at 5 m, 2 set	

#### Optional Accessories for SAW

101.18.002	SAW - Tractor 1000	1 Unit
208.03.002	Plug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 10 m	1 Set

#### Optional Accessories for Gouging

201.27.003	Gouging Torch G4 - 1000 A - 2.1 m / 7 feet	1 Set
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#### Optional Accessories for SMAW / MMA

208.03.005	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 5 m	1 Set
208.03.006	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 10 m	1 Set
208.03.007	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 20 m	1 Set
208.03.008	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 25 m	1 Set
208.03.001	Plug to Electrode Holder 400 A, 70 mm <sup>2</sup> at 5 m	1 Set
208.03.002	Plug to Electrode Holder 400 A, 70 mm <sup>2</sup> at 10 m	1 Set
208.03.003	Plug to Electrode Holder 400 A, 70 mm <sup>2</sup> at 20 m	1 Set
208.04.007	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 5 m	1 Set
208.04.008	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 10 m	1 Set
208.04.004	Plug to Ground Clamp 600 A, 70 mm <sup>2</sup> at 5 m	1 Set
208.04.005	Plug to Ground Clamp 600 A, 70 mm <sup>2</sup> at 10 m	1 Set
208.04.006	Plug to Ground Clamp 600 A, 70 mm <sup>2</sup> at 15 m	1 Set

#### General Accessories

201.22.009	Welding Helmet - Solarmatic Blue	1 Set
201.22.010	Welding Helmet - Solarmatic Red	1 Set
201.22.011	Welding Helmet - Solarmatic Green	1 Set



## SAW - Tractor 1000



### Main Applications

- Shipyards
- Steel Structure
- Chemical and process industry

### Advantageous

- Digitizing tractor can be achieve various wires welding such as filament, flux cored wire, and it can save 10 sets of welding data, which saves time. Both the wire feeding and the tractor moving speed are stable, which provides an excellent welding
- Digital display control, design and convenient operation.
- Accurate arc start.
- Dual drive wire feeder with straightening configuration to provide stable wire feeding, good centralizing, excellent traction, and strong wire feeding force. Greatly improved welding performances.
- Suitable for Kobewel - CC/CV Inverter - S 1000 i
- Strong, rigid and stiff especially where you need it most

### Specifications

Input voltage	DC 110 V ( supplied by Power Source )
Welding current	1.000 A
Wire diameter	2 - 6 mm
Wire type	Copper - Coated Solid Wire
Wire speed	0.3 ~ 3 m/min
Feeding mode	Automatic
Welding speed	0.2 ~ 1.5 m/min
Adjustable torch height	70 mm
Adjustable tractor head height	100 mm
Adjustable longitudinal distance of tractor head around cross beam	± 30 mm
Rotate-able angle of tractor head around cross beam	≥ ± 90°
Adjustable longitudinal distance of tractor head	100 mm
Torch inclination	45°
Tractor head inclination	± 45°
Wire spool capacity	25 Kg
Flux container volume	6 Liter
Weight	54 Kg

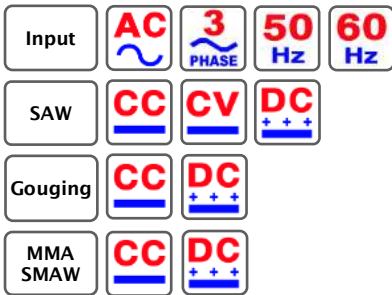
Item Code	Item Name	MoQ
101.18.002	<b>SAW Machine - Tractor 1000</b>	<b>1 Unit</b>
	<ul style="list-style-type: none"> <li>• Power Cable for SAW 70 mm<sup>2</sup> at 15 m</li> <li>• Control Cable at 15 m</li> <li>• Feedroll diameter 3.2, 4 &amp; 5 mm</li> <li>• Contact Tip diameter 3.2, 4 &amp; 5 mm</li> <li>• Wrench 14 / 17 mm</li> <li>• Socket Wrench 14 mm</li> <li>• Hex. Key 8 mm</li> <li>• Rail Track at 1 m</li> </ul>	





Item Code	Item Name	MoQ
<b>Optional Accessories for SAW</b>		
201.40.001	SAW Tractor - Feed Roll - Steel Ø 2.0 mm	1 Pcs
201.40.002	SAW Tractor - Feed Roll - Steel Ø 2.4 mm	1 Pcs
201.40.003	SAW Tractor - Feed Roll - Steel Ø 3.2 mm	1 Pcs
201.40.004	SAW Tractor - Feed Roll - Steel Ø 4.0 mm	1 Pcs
201.40.005	SAW Tractor - Feed Roll - Steel Ø 5.0 mm	1 Pcs
201.41.001	SAW Tractor - Contact Tip - M14 Ø 2.0 mm	1 Pcs
201.41.002	SAW Tractor - Contact Tip - M14 Ø 2.4 mm	1 Pcs
201.41.003	SAW Tractor - Contact Tip - M14 Ø 3.2 mm	1 Pcs
201.41.004	SAW Tractor - Contact Tip - M14 Ø 4.0 mm	1 Pcs
201.41.005	SAW Tractor - Contact Tip - M14 Ø 5.0 mm	1 Pcs





## SAW Machine Master 1000 CC/CV



**Master 1000**

### Main Applications

- Shipyards
- Steel Structure
- Chemical and process industry

### Advantageous

- Excellent welding properties : CC/CV arc characteristics combined with two adaptive feeding modes ( Stick and SAW ) delivers excellent welding performance, meeting the different requirements of various SAW processes. PWM control technology provides optimal constant output current and superior dynamic characteristics, and assures the consistency of the weld penetration and width even for a long welding bead. As a result, its welding quality is much better than the traditional thyristor submerged arc welding equipments
- Durable reliability : DSP digital phase shifted soft switch inverter technology against various damaged risks such as overload of voltage, overload of current, voltage shortage, overheat delivers high reliability during operating, and makes it can be safely used in various harsh environment
- High energy and low feeding speed program assures one time successful arc starting capability. Unique crater control circuitry significantly eliminates the welding defects in both the starting and the ended position of the welding bead

Specifications	
Rated output current	1.000 A
Rated output	100 A / 24 V ~ 1.000 A / 44 V
Duty cycle	100 %
Max. open circuit voltage	80 V
Welding current adjustment	Stepless
Suitable for	SAW Gouging SMAW = MMA
Input phase	3 Phase
Input power	380 V at ± 15 %
Frequency	50 / 60 Hz
Rated input current	80 A
Rated input	52.7 KVA
Power factor	0.90
Index protection	IP 23
Weight	100 Kg
Dimension ( L x W x H )	805 x 390 x 715 mm

Item Code	Item Name	MoQ
<b>105.03.001</b>	<b>SAW Machine - Master 1000 CC/CV</b>	<b>1 Unit</b>
	• Lug to Ground Clamp 70 mm2 at 3 m - 2 set	

### Optional Accessories for SAW

105.03.002	X 1000 - SAW Tractor	1 Unit
208.03.002	Lug to Electrode Holder 600 A, 70 mm2 at 10 m	1 Set
208.07.003	Lug to Electrode Holder 600 A, 70 mm2 at 20 m	1 Set

### Optional Accessories for Gouging

201.27.003	Gouging Torch G4 - 1000 A - 2.1 m / 7 feet	1 Set
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### Optional Accessories for SMAW / MMA

208.03.005	Plug to Electrode Holder 400 A, 50 mm2 at 5 m	1 Set
208.03.006	Plug to Electrode Holder 400 A, 50 mm2 at 10 m	1 Set
208.03.007	Plug to Electrode Holder 400 A, 50 mm2 at 20 m	1 Set
208.03.008	Plug to Electrode Holder 400 A, 50 mm2 at 25 m	1 Set
208.03.001	Plug to Electrode Holder 400 A, 70 mm2 at 5 m	1 Set
208.03.002	Plug to Electrode Holder 400 A, 70 mm2 at 10 m	1 Set
208.03.003	Plug to Electrode Holder 400 A, 70 mm2 at 20 m	1 Set
208.04.007	Plug to Ground Clamp 600 A, 50 mm2 at 5 m	1 Set
208.04.008	Plug to Ground Clamp 600 A, 50 mm2 at 10 m	1 Set
208.04.004	Plug to Ground Clamp 600 A, 70 mm2 at 5 m	1 Set
208.04.005	Plug to Ground Clamp 600 A, 70 mm2 at 10 m	1 Set
208.04.006	Plug to Ground Clamp 600 A, 70 mm2 at 15 m	1 Set

### General Accessories

201.22.009	Welding Helmet - Solarmatic Blue	1 Set
201.22.010	Welding Helmet - Solarmatic Red	1 Set
201.22.011	Welding Helmet - Solarmatic Green	1 Set



## SAW Machine - X 1000 Tractor



SAW Tractor X 1000

### Main Applications

- Shipyards
- Steel Structure
- Chemical and process industry

### Advantageous

- Digitizing tractor can be achieve various wires welding such as filament, flux cored wire, and it can save 10 sets of welding data, which saves time. Both the wire feeding and the tractor moving speed are stable, which provides an excellent welding
- Suitable for Master 1000 Power Source
- Strong, rigid and stiff especially where you need it most

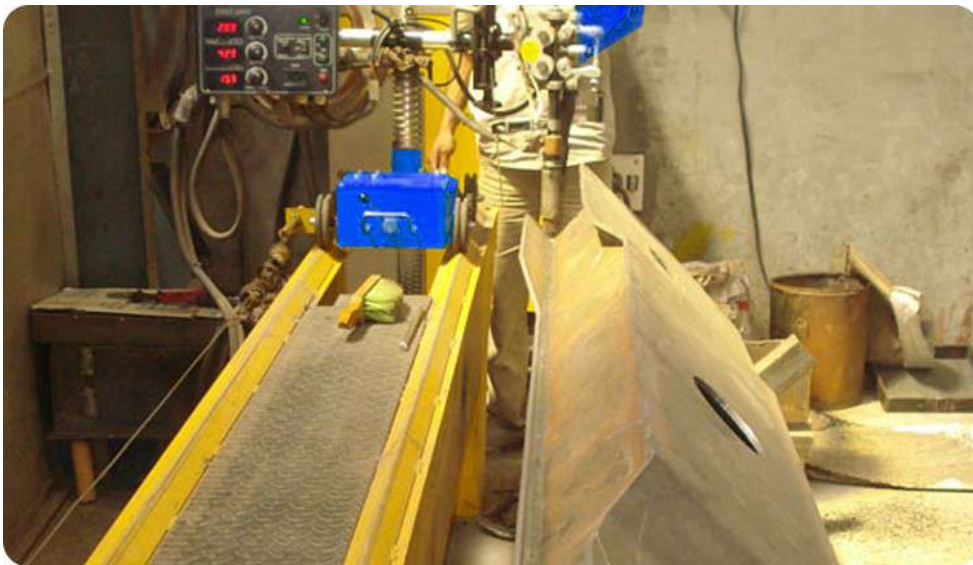
### Specifications

Input voltage	AC 110 V ( supplied by Power Source )
Welding current	1000 A
Wire diameter	2 - 5 mm
Wire type	Copper - Coated Solid Wire
Wire speed	0.3 ~ 3 m/min
Feeding mode	Automatic
Welding speed	0.2 ~ 1.5 m/min
Adjustable torch height	70 mm
Adjustable tractor head height	80 mm
Adjustable longitudinal distance of tractor head around cross beam	± 30 mm
Rotate-able angle of tractor head around cross beam	≥ ± 90°
Adjustable longitudinal distance of tractor head	100 mm
Torch inclination	45°
Tractor head inclination	± 45°
Wire spool capacity	25 Kg
Flux container volume	6 Liter
Weight	55 Kg

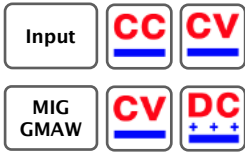
Item Code	Item Name	MoQ
105.03.002	<b>SAW Machine - X 1000 Tractor</b>	1 Unit
	<ul style="list-style-type: none"> <li>• SAW Tractor - X 1000</li> <li>• Control Cable 6 pin, at 15 m</li> <li>• Power Cable 70 mm at 15 m</li> <li>• Rail Track at 1 m</li> <li>• Feed Roll, dia 3.2 mm</li> <li>• Feed Roll, dia 4.0 - 5.0 mm</li> <li>• Contact Tip M12, dia 3.2</li> <li>• Contact Tip M12, dia 4.0</li> <li>• Contact Tip M12, dia 5.0</li> <li>• Wrench 14 / 17 mm</li> <li>• Socket Wrench 14 mm</li> <li>• Hex. Key 8 mm</li> </ul>	



Item Code	Item Name	MoQ
<b>Optional Accessories for SAW</b>		
205.05.001	SAW Tractor - Feed Roll - Steel Ø 2.0 mm	1 Pcs
205.05.002	SAW Tractor - Feed Roll - Steel Ø 2.4 mm	1 Pcs
205.05.003	SAW Tractor - Feed Roll - Steel Ø 3.2 mm	1 Pcs
205.05.004	SAW Tractor - Feed Roll - Steel Ø 4.0 mm	1 Pcs
205.05.005	SAW Tractor - Feed Roll - Steel Ø 5.0 mm	1 Pcs
205.06.001	SAW Tractor - Contact Tip - M14 Ø 2.0 mm	1 Pcs
205.06.002	SAW Tractor - Contact Tip - M14 Ø 2.4 mm	1 Pcs
205.06.003	SAW Tractor - Contact Tip - M14 Ø 3.2 mm	1 Pcs
205.06.004	SAW Tractor - Contact Tip - M14 Ø 4.0 mm	1 Pcs
205.06.005	SAW Tractor - Contact Tip - M14 Ø 5.0 mm	1 Pcs







## Voltage Sensing Wire Feeder



Arcfeed 300



Arcfeed 300 RC

### Main Applications

- Heavy steel welding in workshops
- Construction and shipyards
- Oil and gas pipe welding
- On site welding

### Advantageous

- ArcFeed is a voltage sensing wire feeder for Mig Mag welding process that can be used with almost any power source CC and CV
- Good start, ArcFeed is equipped with an adaptive start feature. It is a software component that recognizes the start of the weld and changes the wire feed speed in order to give a good and smooth start
- Firm four wheel drive, equipped with four drive rolls, which ensure a good, firm grip. The wire won't slip even in hardest conditions
- Good visibility, the backlit LCD display is protected by thick polycarbonate glass. It is clear and allows good visibility, no matter if you work in rain or shine
- Durability, isolated 2 wall structure totally encloses the inside components and protects them against any collision, rain and humidity
- Usability, automatic recognition of polarity, no need to make adjustments at the control panel. Automatic weld data shows the welding values for 15 seconds after the welding
- Safety, electrically isolated 2-wall structure and protection against over voltage surges
- The ArcFeed 300RC is equipped with a remote control function, which allows you to adjust the power source current from the feeder, increase welding productivity

### Specifications

Current at 100 % - 40°C	300 A
Rated power	150 watts
Spool size	300 mm
Torch connection	Euro connector
Weldable flux cored wire	1.2 - 2.0 mm
Weldable Inner Shield wire	1.6 - 2.0 mm
Weldable solid wire	1.0 - 1.6 mm
Wire feed speed with small drive roll	0 - 18 m / min - standard
Storage temperature range	- 40 ... + 60°C
Operating temperature range	- 20 ... + 40°C
Index protection	IP 23
Dimensions ( L x W x H )	590 x 240 x 445 mm
Weight	15 Kg

Item Code	Item Name	MoQ
102.03.001.1	Arc Feed 300 - Standard Package	1 Set
102.03.001.2	Arc Feed 300 - Mig Mag Package	1 Set
102.03.001.3	Arc Feed 300 - Inner Shield Package	1 Set
102.03.002.1	Arc Feed 300 RC - Standard Package	1 Set
102.03.002.2	Arc Feed 300 RC - Mig Mag Package	1 Set
102.03.002.3	Arc Feed 300 RC - Inner Shield Package	1 Set

- Plug to ground clamp size 16 mm<sup>2</sup> at 3 m
- Gas Hose with Coupler





Item Code	Item Name	MoQ	102.03.001.1	102.03.001.2	102.03.001.3	102.03.002.1	102.03.002.2	102.03.002.3
<b>Standard Accessories</b>								
102.03.001	Voltage Sensing Wire Feeder - Arc Feed 300	1 Unit	•	•	•			
102.03.002	Voltage Sensing Wire Feeder - Arc Feed 300 RC	1 Unit				•	•	•
204.08.001	Alpha Flux 350 S at 3 m - KZ-2, 65° bent	1 Set			•			•
202.17.007	Gas Hose with Coupler	1 Set	•	•		•	•	
<b>Standard Alternative</b>								
203.04.001	Mig Torch - Ergoplus 36 at 3 m long	1 Set		•				•
203.04.002	Mig Torch - Ergoplus 36 at 4 m long	1 Set		•				•
203.04.003	Mig Torch - Ergoplus 36 at 5 m long	1 Set		•				•
208.02.005	Plug to Socket, 70 mm2 at 5 m	1 Set		•	•			•
208.02.006	Plug to Socket, 70 mm2 at 10 m	1 Set		•	•			•
208.02.007	Plug to Socket, 70 mm2 at 20 m	1 Set		•	•			•
208.02.008	Plug to Socket, 70 mm2 at 30 m	1 Set		•	•			•
201.23.004	CO2 Fin Type Regulator	1 Pc		•				•
201.23.003	CO2 Heater 220V Regulator	1 Pc		•				•
202.14.002	2 Groove - V 1.0 / 1.2 Red	4 Pcs	•	•		•	•	
202.14.003	2 Groove - V 1.4-1.6 / 2.0 Yellow	4 Pcs	•	•		•	•	
202.14.004	2 Groove - Knurled 1.0 / 1.2 Red	4 Pcs	•	•		•	•	
202.14.005	2 Groove - Knurled 1.4-1.6 / 2.0 Yellow	4 Pcs	•	•		•	•	
202.14.008	2 Groove - Gear Wheel D 28	1 Pc	•	•	•	•	•	•
202.14.009	2 Groove - Gear Wheel D 28 SL 500 Steel	1 Pc	•	•	•	•	•	•
202.14.010	2 Groove - Gear Wheel D 40	1 Pc	•	•		•	•	
<b>General Accessories</b>								
201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•	•	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•	•	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•	•	•	•	•
208.18.002	Torch Holder - MIG	1 Pcs		•	•			•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can		•				•
336.01.002	Antispatter Paste - Pasta Welding 300 ml - Siliconi	1 Can		•				•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can		•				•
315.01.002.1	Metallotion Protec CE 15L at 20 ltr, Package	1 Liter		•				•



## Mig Mag Step Switch - Compact



KM 220 D

KM 285 D

### Main Applications

- Steel metal sheet
- Construction and shipyards
- Oil and gas pipe welding
- On site welding

### Advantageous

- Japanese compact design, delivers highly reliable welding results of impeccable quality
- The latest Japanese rectifier technology to produce excellent welding characteristic for CO2 and mixed gas mig mag welding
- A reliable choke transformer is optimally produced for better welding and less spatter
- Fine and coarse voltage adjustment
- Continuous welding and spot welding, with spot time
- Interval welding, with welding and interval time
- Post gas and burn back adjustment
- Gas test and wire inching
- Inclined wire spool hub for smooth wire transfer and better welding result
- Internal components are protected from damage by thermal overload protection which automatically shuts down the unit
- Rugged industrial wire feeder system, with two geared feed rolls, quick change reversible drive rolls and easy to set scaled tension knob
- 2 connections for inductance ( for KM 285 )
- Easy load gas cylinder with lowered platform
- Double fan for maximum cooling system

Specifications	KM 220 D	KM 285 D
Welding range	20 - 220 A	20 - 285 A
Load voltage	15 - 25 V	15 - 28.2 V
Open circuit voltage	31 V	36 V
Voltage settings	10	2 x 10
Duty cycle at max. current	30 %	40 %
Welding current at 100 % duty cycle	120 A	180 A
Weldable steel wire	0.8 - 1.0 mm	0.8 - 1.2 mm
Weldable aluminum wire	0.9 - 1.0 mm	0.9 - 1.2 mm
Wire feed rate	1 - 17 m/min	1 - 17 m/min
Input Phase	1 Phase	3 Phase
Main voltage, Tolerance	220 V, ± 10 %	380 V, ± 10 %
Frequency	50 / 60 Hz	50 / 60 Hz
Main fuse ( slow - blow )	35 A	16 A
Max. power consumption 220 V	7.7 KVA	10.5 KVA
Power factor	0.87	0.96
Index protection	IP 21	IP 21
Insulation class	H	H
Cooling type	F	F
Noise emission	< 75 dB ( A )	< 75 dB ( A )
Dimension ( L x W x H )	850 x 365 x 680 mm	850 x 390 x 725 mm
Weight without accessories	75 Kg	90 Kg



Item Code	Item Name	MoQ
101.04.002.1	KM 220 D - Mig Mag Package	1 Set
101.04.002.2	KM 220 D - Mig Mag Package for Alu	1 Set
101.04.003.1	KM 285 D - Mig Mag Package	1 Set
101.04.003.2	KM 285 D - Mig Mag Package for Alu	1 Set

- Feedroll for Steel Ø 0.6 / 0.8 mm - 1 pcs
- Gas Nipple size 1/4" - 1 pcs

101.04.002.1	101.04.002.2	101.04.003.1	101.04.003.2
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Item Code	Item Name	MoQ	101.04.002.1	101.04.002.2	101.04.003.1	101.04.003.2
<b>Standard Accessories</b>						
101.04.002	Mig Mag Step Switch - Compact - KM 220 D	1 Unit	•	•		
101.04.003	Mig Mag Step Switch - Compact - KM 285 D	1 Unit			•	•
201.11.004	Plug to Ground Clamp 300 A, 35 mm <sup>2</sup> at 3 m - KM 285 & KMD 285	1 Set	•	•	•	•
201.03.005	Feed Roll KM & KMD Ø 35 mm - Aluminum Ø 0.8 & 1.0 mm	1 Pc		•		
201.23.002	CO2 Gas Regulator	1 Pc	•		•	
201.23.001	Argon Gas Regulator	1 Pc		•		•
208.12.001	Regulator Gas Hose - Blue at 1.5 m	1 Set	•	•		•
208.12.002	Interpass Gas Hose - Blue at 3 m	1 Ser			•	

**Standard Alternative**

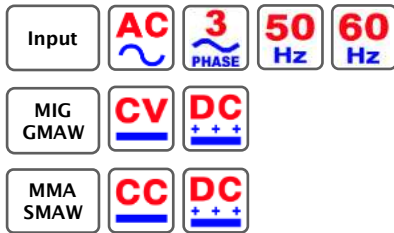
250.02.001.1	Mig Torch - Pro Mig 15 at 3 m long	1 Set	•	•	•	•
250.02.002.1	Mig Torch - Pro Mig 15 at 4 m long	1 Set	•	•	•	•
250.02.003.1	Mig Torch - Pro Mig 24 at 3 m long	1 Set			•	•
250.02.004.1	Mig Torch - Pro Mig 24 at 4 m long	1 Set			•	•
250.02.005.1	Mig Torch - Pro Mig 24 at 5 m long	1 Set			•	•
250.16.003.1	Teflon Liner - Blue Ø 0.8 - 1.0 mm at 5 m	1 Set		•		•
250.16.006.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 5 m	1 Set		•		•
250.16.002.1	Teflon Liner - Blue Ø 0.8 - 1.0 mm at 4 m	1 Set		•		•
250.16.005.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 4 m	1 Set		•		•
250.16.001.1	Teflon Liner - Blue Ø 0.8 - 1.0 mm at 3 m	1 Set		•		•
250.16.004.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 3 m	1 Set		•		•
201.03.001	Feed Roll KM & KMD Ø 35 mm - Steel Ø 0.6 & 0.9 mm	1 Pcs			•	
201.03.002	Feed Roll KM & KMD Ø 35 mm - Steel Ø 0.8 & 1.0 mm	1 Pcs			•	
201.03.006	Feed Roll KM & KMD Ø 35 mm - Steel Ø 1.2 & 1.6 mm	1 Pcs			•	
201.03.007	Feed Roll KM & KMD Ø 35 mm - Flux Cored Ø 1.2 & 1.6 mm	1 Pcs			•	
201.03.005	Feed Roll KM & KMD Ø 35 mm - Aluminum Ø 0.8 & 1.0 mm	1 Pcs				•
201.03.004	Feed Roll KM & KMD Ø 35 mm - Aluminum Ø 0.6 & 0.9 mm	1 Pcs				•
201.03.006	Feed Roll KM & KMD Ø 35 mm - Aluminum Ø 1.2 & 1.6 mm	1 Pcs				•

**General Accessories**

201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•	•	•
315.01.002.1	Metallotion Protec CE 15 L at 20 ltr, Package	1 Liter	•	•	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•	•	•
336.01.002	Antispatter Paste - Pasta Welding 300 ml - Siliconi	1 Can	•	•	•	•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•	•	•



## Mig Mag IGBT Inverter - Compact 250i CC/CV



### Main Applications

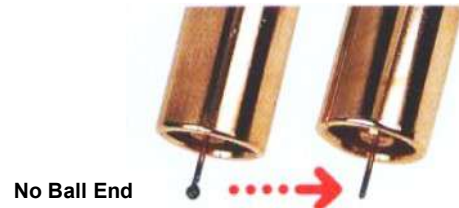
- Steel metal sheet
- Construction and shipyards
- Oil and gas pipe welding
- On site welding

### Advantageous

- High Frequency 20 KHz Inverter technology provides light-weight, small volume and energy saving, significantly reduces customers's running costs
- Excellent welding properties : welding current and welding voltage can be continuously adjustable, delivers a better quality welding
- Additional Stick ( MMA / SMAW ) process
- The effective protection circuitries against various damaged risks such as overload of voltage, overload of current, voltage shortage, overheat delivers high reliability during operating
- The advantage of lightweight and small size makes it very easy to move around

### Specifications

Welding range	40 - 250 A
Load voltage	16 - 26.5 V
Open circuit voltage	60 V
Duty cycle at 60 % ( 40°C )	250 A
Input power	8.3 KVA
Input current	12 A
Input phase	3 Phase
Main voltage, Tolerance	380 V, ± 15 %
Frequency	50 / 60 Hz
Weldable steel wire	0.8 - 1.0 mm
Weldable aluminum wire	0.8 - 1.0 mm
Power factor	0.93
Index protection	IP 21 S
Insulation class	F
Cooling	F
Dimensions ( L x W x H )	620 x 410 x 570 mm
Weight	25 Kg



No Ball End

Item Code	Item Name	MoQ
105.07.001.1	250 i CC/CV - Mig Mag Package	1 Set
105.07.001.2	250 i CC/CV - Mig Mag Package for Alu	1 Set
	• Plug to Ground size 25 mm at 3 m - 1 set	
	• Hose Package at 3 m - 1set	



Item Code	Item Name	MoQ		
<b>Standard Accessories</b>				
105.07.001	Mig Mag IGBT Inverter - Compact - 250 I, CC/CV	1 Unit	•	•
201.23.002	CO2 Gas Regulator	1 Pc	•	
201.23.001	Argon Gas Regulator	1 Pc		•
<b>Standard Alternative</b>				
250.02.001.1	Mig Torch - Pro Mig 15 at 3 m long	1 Set	•	•
250.02.002.1	Mig Torch - Pro Mig 15 at 4 m long	1 Set	•	•
250.16.003.1	Teflon Liner - Blue Ø 0.8 - 1.0 mm at 5 m	1 Set		•
250.16.006.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 5 m	1 Set		•
201.23.003	CO2 Heater 220V Gas Regulator	1 Pc	•	•
<b>Optional Accessories</b>				
208.07.008	Lug to Electrode Holder 400 A, 35 mm2 at 5 m	1 Set	•	•
208.07.009	Llug to Electrode Holder 400 A, 35 mm2 at 10 m	1 Set	•	•
<b>General Accessories</b>				
201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•
215.01.002.1	Metallotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•
336.01.002	Antispatter Paste - Pasta Welding 300 ml - Siliconi	1 Can	•	•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•







## Mig Mag Inverter Mobile Kempact Mig 2530



**Kempact Mig 2530**

### Main Applications

- Thin sheet fabrication
- Repair and maintenance
- Car repairs
- Outfitting in shipyards and offshore

### Advantageous

- Kempact™ MIG machines have superb arc performance. Excellent arc ignition assisted by burn back time technology, guarantee satisfaction. No need to cut the ball at the end of wire before welding, because electronic arc dynamics control offers the best arc performance in all situations
- Kempact™ MIG inverter based machines are equipped with stepless wire feed speed and voltage control so that users may optimise arc performance
- Change the polarity for gasless flux cored wire welding
- Kempact™ MIG is also designed for use from power generators, extending the field of operation still further
- Wire inch with 'safety speed' makes the spool change easy and quick with lower safety risk
- Kempact™ MIG models are 75% lighter than traditionally constructed machines but high in duty cycle, 250 A at 40 %

### Specifications

Welding current at 40 % - 40°C	250 A / 26.5 V
Welding current at 60 % - 40°C	207 A / 24.0 V
Welding current at 100 % - 40°C	160 A / 22.0 V
Welding voltage	10 - 30 V
Wire feed speed	1 - 18 m/min
Weldable Fe, Ss wire	0.6 ... 1.0 mm
Weldable cored wire	0.9 ... 1.2 mm
Weldable Al	0.9 ... 1.2 mm
Weldable CuSi	0.8 ... 1.0 mm
Input phase	3 Phase
Main voltage, Tolerance	400 V, ± 15 %
Frequency	50 / 60 Hz
Rated power at 40 %	12 KVA
Rated power at 60 %	10 KVA
Rated power at 100 %	7.5 KVA
Connection cable / fuse delayed	4 x 1.5 , 5 m / 16 A
Efficiency	87 %
Power factor	0.64
Index protection	IP 23 C
Dimension ( L x W x H )	580 x 280 x 440 mm
Weight	20 kg



Item Code	Item Name	MoQ
102.04.001.1	Kempact Mig 2530 - Mig Mag Air Cooled Package	1 Set
102.04.001.2	Kempact Mig 2530 - Mig Mag Air Cooled Package for Alu	1 Set
102.04.001.3	Kempact Mig 2530 - Mig Mag Water Cooled Package	1 Set
102.04.001.4	Kempact Mig 2530 - Mig Mag Water Cooled Package for Alu	1 Set

- Plug to Ground Clamp, size 16 mm<sup>2</sup> at 3 m - 1 set
- Gas hose with coupler - 1 set

102.04.001.1	102.04.001.2	102.04.001.3	102.04.001.4
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Item Code	Item Name	MoQ	102.04.001.1	102.04.001.2	102.04.001.3	102.04.001.4
<b>Standard Accessories</b>						
102.04.001	Mig Mag Inverter Mobile - Kempact Mig 2530	1 Unit	•	•	•	•
201.23.002	CO2 Gas Regulator	1 Pcs	•		•	
201.23.001	Argon Gas Regulator	1 Pcs		•		•
101.12.001.1	D 300 - Water Cooler Machine Package	1 Set			•	•
208.11.001	Water Cooled Hose Package - Blue & Red at 1 m	1 Set			•	•

**Standard Alternative**

250.02.003.1	Mig Torch - Pro Mig 24 at 3 m long	1 Set	•	•		
250.02.004.1	Mig Torch - Pro Mig 24 at 4 m long	1 Set	•	•		
250.02.005.1	Mig Torch - Pro Mig 24 at 5 m long	1 Set	•	•		
250.02.009.1	Mig Torch - Pro Mig 500 at 3 m long	1 Set			•	•
250.02.010.1	Mig Torch - Pro Mig 500 at 4 m long	1 Set			•	•
250.16.003.1	Teflon Liner - Blue Ø 0.8 - 1.0 mm at 5 m	1 Set		•		•
250.16.006.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 5 m	1 Set		•		•
202.15.015	1 Groove - Drawing, U Ø 1.0 Red	2 Set		•		•
202.15.017	1 Groove - Drawing, U Ø 1.2 Orange	2 Set		•		•
202.15.016	1 Groove - Pressing, U Ø 1.0 Red	2 Set		•		•
202.15.018	1 Groove - Pressing, U Ø 1.2 Orange	2 Set		•		•
201.23.003	CO2 Heater 220V Gas Regulator	1 Pc	•		•	
201.23.004	CO2 Fin Type Gas Regulator	1 Pc	•		•	

**Optional Accessories**

202.15.001	1 Groove - Drawing, V Ø 1.0 Red	2 Pcs	•		•	
202.15.002	1 Groove - Pressing, V Ø 1.0 Red	2 Pcs	•		•	
202.15.005	1 Groove - Drawing, V Ø 0.8 / 0.9 White	2 Pcs	•		•	
202.15.006	1 Groove - Pressing, V Ø 0.8 / 0.9 White	2 Pcs	•		•	
202.15.011	1 Groove - Drawing, Knurled Ø 1.2 Orange	2 Pcs	•		•	
202.15.012	1 Groove - Pressing, Knurled Ø 1.2 Orange	2 Pcs	•		•	

**General Accessories**

201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•	•	•
215.01.002.1	Metallotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•	•	•
336.01.002	Antispatter Paste - Pasta Welding 300 ml - Siliconi	1 Can	•	•	•	•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•	•	•



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**Main Applications**

- Automotives and caroserie
- Car body repairs
- Thin sheet fabrication
- Repair and maintenance
- Outfitting in shipyards & offshore

**Advantageous**

- Compact design, low weight, user friendly, flexible & mobile
- Standby function ( 15 - 30 W idling ) : energy saving, less CO2 emission, long life of components
- Color coded wire drive rolls : easy to exchange
- Four roll wire feed system for precise wire feeding
- Autopuls prevents weld spatter and ensures optimal preservation of strength as well as surface protection
- Digital fan control : optimal cooling in all operating conditions
- Programmable welding parameter with an SD card as the storage system ( software can be updated )
- Reversed polarity for welding with Inner Shield wire ( without gas )
- Digital motor control : stability in all operating conditions

# Mig Mag Inverter - Compact Automig<sup>2</sup> 273i with Autopuls<sup>TM</sup> Panel + Trolley



Automig 273i

**Specifications**

Welding range	10 - 270 A
Welding current at 60 % - 40°C	175 A
Welding current at 100 % - 40°C	205 A
Open circuit voltage	52 V
Wire feed speed	18 m/min
Input phase	3 Phase
Main voltage, Tolerance	400 V, ± 15 %
Frequency	50 / 60 Hz
Rated power at max. current	9.1 KVA
Rated power at 100 %	5.3 KVA
Weldable Fe, Ss wire	0.6 - 1.0 mm
Weldable cored wire	1.2 mm
Weldable Al	0.8 - 1.2 mm
Weldable CuSi	0.8 - 1.0 mm
Connection cable / fuse delayed	10 A
Efficiency	0.88
Power factor	0.93
Index protection	IP 23 S
Dimension ( L x W x H )	640 x 250 x 550 mm
Weight	26 kg



Autopuls Control Panel



Item Code	Item Name	MoQ
135.04.001.1	Automig <sup>2</sup> 273 i with Autopuls <sup>TM</sup> Panel + Trolley - Mig Mag Inverter Standard Package	1 Set
135.04.001.2	Automig <sup>2</sup> 273 i with Autopuls <sup>TM</sup> Panel + Trolley - Mig Mag Inverter Standard Package for Alu.	1 Set
	<ul style="list-style-type: none"> <li>• AUTOPULS<sup>TM</sup> control panel - 1 set</li> <li>• Kit MWF 0.8 V white - 1 set</li> <li>• Standard trolley - 1 set</li> </ul>	

135.04.001.1

135.04.001.2

Item Code	Item Name	MoQ		
<b>Standard Accessories</b>				
135.04.001	Mig Mag Inverter - Compact - Automig <sup>2</sup> 273 I with Autopuls <sup>TM</sup> Panel + Trolley	1 Unit	•	•
235.03.003	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 3 m	1 Set	•	•
201.23.001	Argon Gas Regulator	1 Pcs		•

**Standard Alternative**

250.02.003.1	Mig Torch - Pro Mig 24 at 3 m long	1 Set	•	•
250.02.004.1	Mig Torch - Pro Mig 24 at 4 m long	1 Set	•	•
250.02.005.1	Mig Torch - Pro Mig 24 at 5 m long	1 Set	•	•
250.02.006.1	Mig Torch - Pro Mig 36 at 3 m long	1 Set	•	•
250.02.007.1	Mig Torch - Pro Mig 36 at 4 m long	1 Set	•	•
250.02.008.1	Mig Torch - Pro Mig 36 at 5 m long	1 Set	•	•
201.23.001	Argon Gas Regulator	1 Pc	•	
201.23.002	CO2 Gas Regulator	1 Pc	•	
201.23.003	CO2 Heater 220V Gas Regulator	1 Pc	•	
201.23.004	CO2 Fin Type Gas Regulator	1 Pc	•	

**Optional Accessories**

250.16.003.1	Teflon Liner - Blue Ø 0.8 - 1.0 mm at 5 m	1 Set		•
250.16.006.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 5 m	1 Set		•

**General Accessories**

201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•
215.01.002.1	Metalotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•
336.01.002	Antispatter Paste - Paste Welding 300ml - Siliconi	1 Can	•	•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•



## Mig Mag Inverter - Basic - Compact Omega<sup>2</sup> 300 with Basic Panel



Omega<sup>2</sup> 300

### Main Applications

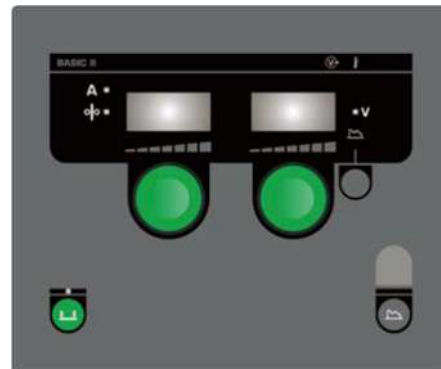
- Automotives and caroserie
- Repair and maintenance
- Car body repairs
- Outfitting in shipyards & offshore
- Sheet metal fabrication

### Advantageous

- High duty cycle and output for heavy duty use
- Targeted for manual and manufacturing industries
- 4 roll wire feed system for safe feeding, also of the soft wires
- Diffusion safe gas hose prevents contamination of the shielding gas
- Energy saving, eco friendly, longer service life
- Intelligent Gas Control IGC<sup>®</sup>, an optional features that give gas saving up to 50%, more cost effective
- Reversed polarity for welding with Inner Shield wire ( without gas )

### Specifications

Welding range	15 - 300 A
Welding current at 60 % - 40°C	195 A
Welding current at 100 % - 40°C	175 A
Open circuit voltage	52 V
Wire feed speed	18 m/min
Input phase	3 Phase
Main voltage, Tolerance	400 V, ± 15 %
Frequency	50 / 60 Hz
Rated power at max. current	9.1 KVA
Rated power at 100 %	5.3 KVA
Weldable Fe, Ss wire	0.8 - 1.2 mm
Weldable Cored wire	1.2 mm
Weldable Al	0.9 - 1.2 mm
Weldable CuSi	0.8 - 1.0 mm
Connection cable / fuse delayed	10 A
Efficiency	0.88
Power factor	0.93
Index protection	IP 23
Dimension ( L x W x H )	640 x 250 x 550 mm
Weight	26 kg



Control Panel





Item Code	Item Name	MoQ
135.03.001.1	Omega <sup>2</sup> 300 with Basic Panel - Mig Mag Inverter Standard Package	1 Set
135.03.001.2	Omega <sup>2</sup> 300 with Basic Panel - Mig Mag Inverter Standard Package for Alu. <ul style="list-style-type: none"> <li>• Omega<sup>2</sup> basic panel - 1 Set</li> <li>• Kit MWF 1.0 V blue - 1 Set</li> </ul>	1 Set

 135.04.001.1  
 135.04.001.2

Item Code	Item Name	MoQ		
<b>Standard Accessories</b>				
135.03.001	Mig Mag Inverter - Basic - Compact - Omega <sup>2</sup> 300 with Basic Panel	1 Unit	•	•
201.23.001	Argon Gas Regulator	1 Pcs		•
235.03.003	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 3 m	1 Set	•	•

**Standard Alternative**

250.02.003.1	Mig Torch - Pro Mig 24 at 3 m long	1 Set	•	•
250.02.004.1	Mig Torch - Pro Mig 24 at 4 m long	1 Set	•	•
250.02.005.1	Mig Torch - Pro Mig 24 at 5 m long	1 Set	•	•
250.02.006.1	Mig Torch - Pro Mig 36 at 3 m long	1 Set	•	•
250.02.007.1	Mig Torch - Pro Mig 36 at 4 m long	1 Set	•	•
250.02.008.1	Mig Torch - Pro Mig 36 at 5 m long	1 Set	•	•
201.23.002	CO <sub>2</sub> Gas Regulator	1 Pc	•	
201.23.003	CO <sub>2</sub> Heater 220V Gas Regulator	1 Pc	•	
201.23.004	CO <sub>2</sub> Fin Type Gas Regulator	1 Pc	•	

**Optional Accessories**

250.16.003.1	Teflon Liner - Blue Ø 0.8 - 1.0 mm at 5 m	1 Set		•
250.16.006.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 5 m	1 Set		•
235.01.004	Software IGC - Intelligent Gas Control	1 Set	•	•
235.13.003	Trolley	1 Set	•	•

**General Accessories**

201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•
215.01.002.1	Metallotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•
336.01.002	Antispatter Paste - Paste Welding 300ml - Siliconi	1 Can	•	•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•



## Mig Mag Step Switch - Wire Feeder



KMD 285 & D 285

KMD 352 & D 352

KMD 502 & D 502

### Main Applications

- Steel metal sheet
- Construction and shipyards
- Oil and gas pipe welding
- On site welding

### Advantageous

- New Japanese Separate Wire Feeder design Mig Mag machine for light to heavy industries, delivers highly reliable welding results, of impeccable quality
- The latest Japanese rectifier technology to produce excellent welding characteristic for CO2 and mixed gas mig mag welding
- A reliable choke transformer is optimally produced for better welding and less spatter
- Interval welding, with welding and interval time
- Post gas and burn back adjustment
- Gas test and wire inching
- Fine and coarse voltage adjustment
- Rugged industrial wire feeder system, with two geared feed rolls, quick change reversible drive rolls and easy to set scaled tension knob
- Inclined wire spool hub for smooth wire transfer and better welding result
- Internal components are protected from damage by thermal overload protection which automatically shuts down the unit
- Spot welding with spot time
- Easy load gas cylinder with lowered platform
- Strong machine fan for maximum cooling system



The KMD 285 Wire Feeder equipped with Continuous welding and Post Gas Adjustment



2 connections for inductance In the KMD 285 Power Source



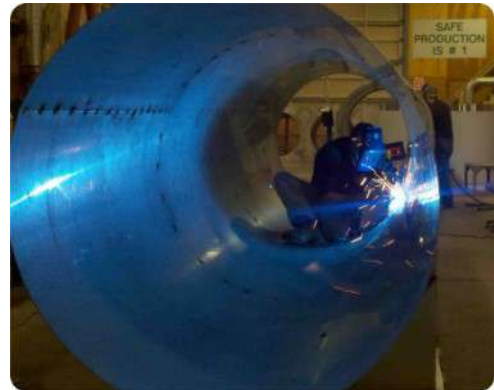
The KMD 352 & KMD 502 Wire Feeder equipped with several features like : Continuous welding for 2 stroke and 4 stroke, Soft Start Adjustment, Pre Gas Adjustment and Post Gas Adjustment



3 connections for inductance In the KMD 352 and KMD 502 Power Source

Specifications	KMD 285	KMD 352	KMD 502
Welding range	20 - 285 A	30 - 350 A	40 - 500 A
Load voltage	15 - 28.2 V	15.5 - 31.5 V	16 - 39 V
Open circuit voltage	36 V	43 V	49 V
Voltage settings	2 x 10	3 x 10	4 x 10
Welding current at 40 % duty cycle	280 A	-	-
Welding current at 60 % duty cycle	-	350 A	500 A
Welding current at 100 % duty cycle	180 A	275 A	390 A
Weldable Steel wire	0.8 - 1.2 mm	0.8 - 1.6 mm	0.8 - 2.4 mm
Weldable Aluminum wire	0.9 - 1.2 mm	0.9 - 1.6 mm	0.9 - 2.4 mm
Wire feed rate	1 - 17 m/min	0.5 - 20 m/min	0.5 - 20 m/min
Input phase	3 Phase	3 Phase	3 Phase
Main voltage, Tolerance	380 V, ± 10 %	380 V, ± 10 %	380 V, ± 10 %
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Main fuse ( slow - blow )	16 A	22 A	35 A
Max. power consumption 380 V	10.5 KVA	14.5 KVA	23 KVA
Power factor	0.96	0.96	0.96
Index protection	IP 21	IP 21	IP 21
Insulation class	H	H	H
Cooling type	F	F	F
Noise emission	< 75 dB ( A )	< 75 dB ( A )	< 75 dB ( A )
Machine dimension ( L x W x H )	843 x 355 x 725 mm	850 x 374 x 725 mm	950 x 390 x 750 mm
Machine weight	85 Kg	104 Kg	150 Kg
Wire feeder dimension ( L x W x H )	540 x 242 x 448 mm	550 x 242 x 448 mm	550 x 242 x 448 mm
Wire feeder weight	13 Kg	18 Kg	21 Kg

Item Code	Item Name	MoQ
101.05.001.1	KMD 285 - Mig Mag Air Cooled Package	1 Set
101.05.001.2	KMD 285 - Mig Mag Air Cooled Package for Alu	1 Set
101.05.001.3	KMD 285 - Mig Mag Water Cooled Package	1 Set
101.05.001.4	KMD 285 - Mig Mag Water Cooled Package for Alu	1 Set
	<ul style="list-style-type: none"> <li>• Wire feeder D 285 - 1 unit</li> <li>• feedroll for steel Ø 0.8/1.0 mm</li> <li>• interpass cable size 35 mm at 3 m - air cooled - KMD 285 w/o Gas hose - 1 set</li> <li>• gas nipple size ¼ "</li> </ul>	
101.05.002.1	KMD 352 - Mig Mag Air Cooled Package	1 Set
101.05.002.2	KMD 352 - Mig Mag Air Cooled Package for Alu	1 Set
101.05.002.3	KMD 352 - Mig Mag Water Cooled Package	1 Set
101.05.002.4	KMD 352 - Mig Mag Water Cooled Package for Alu	1 Set
	<ul style="list-style-type: none"> <li>• Wire feeder D 285</li> <li>• feedroll for steel Ø 0.8/1.0 mm</li> <li>• interpass cable size 35 mm<sup>2</sup> at 3 m - air cooled - KMD 285 w/o Gas hose</li> <li>• gas nipple size ¼ "</li> </ul>	
101.05.003.1	KMD 502 - Mig Mag Air Cooled Package	1 Set
101.05.003.2	KMD 502 - Mig Mag Air Cooled Package for Alu	1 Set
101.05.003.3	KMD 502 - Mig Mag Water Cooled Package	1 Set
101.05.003.4	KMD 502 - Mig Mag Water Cooled Package for Alu	1 Set
	<ul style="list-style-type: none"> <li>• Wire feeder D 285</li> <li>• feedroll for steel Ø 0.8/1.0 mm</li> <li>• interpass cable size 35 mm<sup>2</sup> at 3 m - air cooled - KMD 285 w/o Gas hose</li> <li>• gas nipple size ¼ "</li> </ul>	



Item Code	Item Name	MoQ	101.05.001.1	101.05.001.2	101.05.001.3	101.05.001.4	101.05.002.1	101.05.002.2	101.05.002.3	101.05.002.4	101.05.003.1	101.05.003.2	101.05.003.3	101.05.003.4
<b>Standard Accessories</b>														
101.05.001	Mig Mag Step Switch - KMD 285	1 Unit	•	•	•	•								
101.05.002	Mig Mag Step Switch - KMD 352	1 Unit					•	•	•	•				
101.05.003	Mig Mag Step Switch - KMD 502	1 Unit									•	•	•	•
201.11.004	Plug to Ground Clamp 300 A, 35 mm <sup>2</sup> at 3 m - KM 285 & KMD 285	1 Set	•	•	•	•								
201.11.005	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 3 m - KMD 352	1 Set					•	•	•	•				
201.11.006	Plug to Ground Clamp 600 A, 70 mm <sup>2</sup> at 3 m - KMD 502	1 Set									•	•	•	•
101.12.003	D 300 - Water Cooler Machine	1 Set			•	•			•	•			•	•
208.11.003	Water Cooled Hose Package - Blue & Red at 3 m 1 Set				•	•			•	•			•	•
208.12.001	Regulator Gas Hose - Blue at 1.5 m	1 Set	•	•	•	•	•	•	•	•	•	•	•	•
208.12.002	Interpass Gas Hose - Blue at 3 m	1 Set	•	•	•	•	•	•	•	•	•	•	•	•
201.23.001	Argon Gas Regulator	1 Pcs		•	•			•	•			•	•	•
<b>Standard Alternatif</b>														
250.02.003.1	Mig Torch - Pro Mig 24 at 3 m long	1 Set	•	•			•	•	•					
250.02.004.1	Mig Torch - Pro Mig 24 at 4 m long	1 Set	•	•			•	•	•					
250.02.005.1	Mig Torch - Pro Mig 24 at 5 m long	1 Set	•	•			•	•	•					
250.02.001.1	Mig Torch - Pro Mig 15 at 3 m long	1 Set	•	•										
250.02.002.1	Mig Torch - Pro Mig 15 at 4 m long	1 Set	•	•										
250.02.009.1	Mig Torch - Pro Mig 500 at 3 m long	1 Set			•	•			•				•	•
250.02.010.1	Mig Torch - Pro Mig 500 at 4 m long	1 Set			•	•			•				•	•
250.02.006.1	Mig Torch - Pro Mig 36 at 3 m long	1 Set					•	•	•		•	•		
250.02.007.1	Mig Torch - Pro Mig 36 at 4 m long	1 Set					•	•	•		•	•		
250.02.008.1	Mig Torch - Pro Mig 36 at 5 m long	1 Set					•	•	•		•	•		
250.16.006.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 5 m	1 Set		•		•		•	•			•	•	
250.16.009.1	Teflon Liner - Yellow Ø 1.4 - 1.6 mm at 5 m	1 Set						•	•			•	•	
250.16.003.1	Teflon Liner - Blue Ø 0.8 - 1.0 mm at 5 m	1 Set		•		•		•	•			•	•	
250.16.002.1	Teflon Liner - Blue Ø 0.8 - 1.0 mm at 4 m	1 Set		•		•		•	•			•	•	
250.16.005.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 4 m	1 Set		•		•		•	•			•	•	
250.16.008.1	Teflon Liner - Yellow Ø 1.4 - 1.6 mm at 4 m	1 Set						•	•			•	•	
250.16.001.1	Teflon Liner - Blue Ø 0.8 - 1.0 mm at 3 m	1 Set		•		•		•	•			•	•	
250.16.004.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 3 m	1 Set		•		•		•	•			•	•	
250.16.007.1	Teflon Liner - Yellow Ø 1.4 - 1.6 mm at 3 m	1 Set						•	•			•	•	
201.23.002	CO2 Gas Regulator	1 Pcs	•		•									
201.23.003	CO2 Heater 220V Gas Regulator	1 Pcs	•		•		•	•			•	•		
201.23.004	CO2 Fin Type Gas Regulator	1 Pcs	•		•		•	•			•	•		

Item Code	Item Name	MoQ	101.05.001.1	101.05.001.2	101.05.001.3	101.05.001.4	101.05.002.1	101.05.002.2	101.05.002.3	101.05.002.4	101.05.003.1	101.05.003.2	101.05.003.3	101.05.003.4
201.03.001	Feed Roll KM & KMD Ø 35 mm - Steel Ø 0.6 & 0.9 mm	1 Pcs	•		•		•		•					
201.03.002	Feed Roll KM & KMD Ø 35 mm - Steel Ø 0.8 & 1.0 mm	1 Pcs	•		•		•		•					
201.03.003	Feed Roll KM & KMD Ø 35 mm - Steel Ø 1.2 & 1.6 mm	1 Pcs	•				•		•					
201.03.007	Feed Roll KM & KMD Ø 35 mm - Flux Cored Ø 1.2 & 1.6 mm	1 Pcs	•				•		•					
201.03.005	Feed Roll KM & KMD Ø 35 mm - Aluminum Ø 0.8 & 1.0 mm	1 Pcs		•				•		•				
201.03.004	Feed Roll KM & KMD Ø 35 mm - Aluminum Ø 0.6 & 0.9 mm	1 Pcs		•				•		•				
201.03.006	Feed Roll KM & KMD Ø 35 mm - Aluminum Ø 1.2 & 1.6 mm	1 Pcs						•		•				
201.04.001	Feed Roll KMD 502 Ø 38 mm - Steel Ø 1.0 & 1.2 mm	1 Pcs												•
201.04.002	Feed Roll KMD 502 Ø 38 mm - Steel Ø 0.6 & 0.8 mm	1 Pcs												•
201.04.003	Feed Roll KMD 502 Ø 38 mm - Steel Ø 1.6 & 2.4 mm	1 Pcs												•
201.04.005	Feed Roll KMD 502 Ø 38 mm - Aluminum Ø 1.0 & 1.2 mm	1 Pcs											•	•
201.04.006	Feed Roll KMD 502 Ø 38 mm - Aluminum Ø 1.6 & 2.4 mm	1 Pcs											•	•
201.04.007	Feed Roll KMD 502 Ø 38 mm - Flux Cored Ø 1.2 & 1.6 mm	1 Pcs											•	

**Optional Accessories**

201.05.001	Interpass Cable size 70 mm at 10 m - Air Cooled - KMD 502	1 Set											•	•
201.05.002	Interpass Cable size 70 mm at 15 m - Air Cooled - KMD 502	1 Set											•	•
201.05.003	Interpass Cable size 95 mm at 20 m - Air Cooled - KMD 502	1 Set											•	•
201.05.004	Interpass Cable size 50 mm at 10 m - Air Cooled - KMD 352	1 Set					•	•		•				
201.05.005	Interpass Cable size 50 mm at 15 m - Air Cooled - KMD 352	1 Set					•	•		•				
201.05.006	Interpass Cable size 70 mm at 20 m - Air Cooled - KMD 352	1 Set					•	•		•				
201.05.007	Interpass Cable size 50 mm at 10 m - Air Cooled - KMD 285	1 Set	•	•										
201.05.008	Interpass Cable size 50 mm at 15 m - Air Cooled - KMD 285	1 Set	•	•										
201.06.001	Interpass Cable size 70 mm at 10 m - Water Cooled - KMD 502	1 Set												•
201.06.002	Interpass Cable size 70 mm at 15 m - Water Cooled - KMD 502	1 Set												•
201.06.003	Interpass Cable size 95 mm at 20 m - Water Cooled - KMD 502	1 Set												•
201.06.004	Interpass Cable size 50 mm at 10 m - Water Cooled - KMD 352	1 Set							•					
201.06.005	Interpass Cable size 50 mm at 10 m - Water Cooled - KMD 352	1 Set							•					
201.06.006	Interpass Cable size 70 mm at 10 m - Water Cooled - KMD 352	1 Set							•					
201.06.007	Interpass Cable size 50 mm at 10 m - Water Cooled - KMD 285	1 Set			•	•								
201.06.008	Interpass Cable size 50 mm at 15 m - Water Cooled - KMD 285	1 Set			•	•								

**General Accessories**

201.22.009	Welding Helmet – Solarmatic Blue	1 Set	•	•	•	•	•	•	•	•	•	•	•	•
201.22.010	Welding Helmet – Solarmatic Red	1 Set	•	•	•	•	•	•	•	•	•	•	•	•
201.22.011	Welding Helmet – Solarmatic Green	1 Set	•	•	•	•	•	•	•	•	•	•	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•	•	•	•	•	•	•	•	•	•	•
315.01.002.1	Metallotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•	•	•	•	•	•	•	•	•	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•	•	•	•	•	•	•	•	•	•	•
336.01.002	Antispatter Paste - Pasta Welding 300 gr - Siliconi	1 Can	•	•	•	•	•	•	•	•	•	•	•	•
336.01.003	Antispatter Spray - Ceramstack 400 ml - Siliconi	1 Can	•	•	•	•	•	•	•	•	•	•	•	•





## Mig Mag Thyristor - Wire Feeder



KMX 352 & X 352

KMX 502 & X 502

### Main Applications

- Steel metal sheet
- Construction and shipyards
- Oil and gas pipe welding
- On site welding

### Advantageous

- Thyristor control Mig Mag with separate wire feeder, for precise control on welding parameter
- Thermal Overload Protection, internal components are protected from damage by thermal overload protection which automatically shuts down the unit
- Designated for medium to heavy industries that deliver reliable welding result
- Crater filler function on crater current and crater voltage, for best welding result
- A reliable choke transformer is optimally produced for better welding and less spatter
- Rugged industrial wire feeder system, with four geared feed rolls, quick change reversible drive rolls and easy-to-set scaled tension knob, and wire feeder straightener
- Inclined wire spool hub for smooth wire transfer and better welding result
- Better ignition with lesser wire ball end created by slower speed program

Specifications	KMX 352 & X 352	KMX 502 & X 502
Welding range	60 - 350 A	80 - 500 A
Crater filler current range	60 - 350 A	80 - 500 A
Output voltage range	17 - 34 V	18 - 42 V
Crater filler voltage range	17 - 34 V	18 - 42 V
Open circuit voltage	50 V	68 V
Voltage settings	Stepless	Stepless
Welding current at 60 % duty cycle	350 A	500 A
Welding current at 100 % duty cycle	270 A	390 A
Weldable steel wire	0.8 - 1.6 mm	0.8 - 1.6 mm
Wire feed rate	1.5 - 20 m/min	1.5 - 20 m/min
Input phase	3 Phase	3 Phase
Main voltage, Tolerance	380 V, ± 10 %	380 V, ± 10 %
Frequency	50 / 60 Hz	50 / 60 Hz
Main fuse ( slow - blow )	40 A	50 A
Max. power consumption 380 V	18 KVA	30 KVA
Power factor	0.80	0.85
Index protection	IP 23	IP 23
Insulation class	F	F
Cooling type	F	F
Noise emission	< 75 dB ( A )	< 75 dB ( A )
Machine dimension ( L x W x H )	570 x 360 x 680 mm	690 x 430 x 780 mm
Machine weight	123 Kg	170 Kg
Wire feeder dimension ( L x W x H )	500 x 190 x 340 mm	500 x 190 x 340 mm
Wire feeder weight	11 Kg	11 Kg

Item Code	Item Name	MoQ
101.06.001.1	KMX 352 - Mig Mag Air Cooled Package	1 Set
101.06.001.2	KMX 352 - Mig Mag Water Cooled Package	1 Set
101.06.002.1	KMX 502 - Mig Mag Air Cooled Package	1 Set
101.06.002.2	KMX 502 - Mig Mag Water Cooled Package	1 Set
	<ul style="list-style-type: none"> <li>• Wire Feeder X 352 - 1 unit</li> <li>• Feedroll for Steel Ø 1.0 / 1.2 mm - 2 Pc</li> <li>• Interpass Cable size 50 mm<sup>2</sup> at 3 m - 1 set</li> <li>• Lug to Ground Clamp size 50 at 2 m - 1 set</li> </ul>	

Item Code	Item Name	MoQ	101.06.001.1	101.06.001.2	101.06.002.1	101.06.002.2
<b>Standard Accessories</b>						
101.06.001	Mig Mag Thyristor - KMX 352	1 Unit	•	•		
101.06.002	Mig Mag Thyristor - KMX 502	1 Unit			•	•
101.12.003	D 300 - Water Cooler Machine	1 Set		•		•
208.11.003	Water Cooled Hose Package - Blue & Red at 3 m	1 Set		•		•
<b>Standard Alternative</b>						
250.02.003.1	Mig Torch - Pro Mig 24 at 3 m long	1 Set	•			
250.02.004.1	Mig Torch - Pro Mig 24 at 4 m long	1 Set	•			
250.02.005.1	Mig Torch - Pro Mig 24 at 5 m long	1 Set	•			
250.02.006.1	Mig Torch - Pro Mig 36 at 3 m long	1 Set	•		•	
250.02.007.1	Mig Torch - Pro Mig 36 at 4 m long	1 Set	•		•	
250.02.008.1	Mig Torch - Pro Mig 36 at 5 m long	1 Set	•		•	
250.02.009.1	Mig Torch - Pro Mig 500 at 3 m long	1 Set		•		•
250.02.010.1	Mig Torch - Pro Mig 500 at 4 m long	1 Set		•		•
201.23.003	CO2 Heater 220V Gas Regulator	1 Pc	•	•	•	•
201.23.004	CO2 Fin Type Gas Regulator	1 Pc	•	•	•	•
<b>Optional Accessories</b>						
201.07.001	Feed Roll - Steel Ø 0.8 & 1.0 mm	1 Pcs	•	•	•	•
201.07.002	Feed Roll - Steel Ø 1.2 & 1.6 mm	1 Pcs	•	•	•	•
201.07.003	Feed Roll - Steel Ø 1.0 & 1.2 mm	1 Pcs	•	•	•	•
201.07.004	Feed Roll - Steel Ø 1.4 & 1.6 mm	1 Pcs	•	•	•	•
201.09.001	Interpass Cable size 50 mm at 10 m - Air Cooled - KMX 352	1 Set	•			
201.09.002	Interpass Cable size 50 mm at 15 m - Air Cooled - KMX 352	1 Set	•			
201.09.003	Interpass Cable size 70 mm at 20 m - Air Cooled - KMX 352	1 Set	•			
201.09.004	Interpass Cable size 70 mm at 10 m - Air Cooled - KMX 502	1 Set			•	
201.09.005	Interpass Cable size 70 mm at 15 m - Air Cooled - KMX 502	1 Set			•	
201.09.006	Interpass Cable size 95 mm at 20 m - Air Cooled - KMX 502	1 Set			•	
201.10.001	Interpass Cable size 50 mm at 10 m - Water Cooled - KMX 352	1 Set		•		
201.10.002	Interpass Cable size 50 mm at 15 m - Water Cooled - KMX 352	1 Set		•		
201.10.003	Interpass Cable size 70 mm at 20 m - Water Cooled - KMX 352	1 Set		•		
201.10.004	Interpass Cable size 70 mm at 10 m - Water Cooled - KMX 502	1 Set				•
201.10.005	Interpass Cable size 70 mm at 15 m - Water Cooled - KMX 502	1 Set				•
201.10.006	Interpass Cable size 95 mm at 20 m - Water Cooled - KMX 502	1 Set				•
<b>General Accessories</b>						
201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•	•	•
215.01.002.1	Metallotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•	•	•
336.01.002	Antispatter Paste - Paste Welding 300ml - Siliconi	1 Can	•	•	•	•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•	•	•



## Mig Mag Thyristor - Wire Feeder



**KMX 353 & X 353**

**KMX 503 & X 503**

### Main Applications

- Steel metal sheet
- Construction and shipyards
- Oil and gas pipe welding
- On site welding

### Advantageous

- Thyristor control Mig Mag with separate wire feeder, for precise control on welding parameter
- Thermal Overload Protection, internal components are protected from damage by thermal overload protection which automatically shuts down the unit
- Designated for medium to heavy industries that deliver reliable welding result
- Crater filler function on crater current and crater voltage, for best welding result
- A reliable choke transformer is optimally produced for better welding and less spatter
- Rugged industrial wire feeder system, with four geared feed rolls, quick change reversible drive rolls and easy-to-set scaled tension knob, and wire feeder straightener
- Inclined wire spool hub for smooth wire transfer and better welding result
- Better ignition with lesser wire ball end created by slower speed program

Specifications	KMX 353 & X 353	KMX 503 & X 503
Welding range	60 - 350 A	80 - 500 A
Crater filler current range	60 - 350 A	80 - 500 A
Output voltage range	17 - 34 V	18 - 42 V
Crater filler voltage range	17 - 34 V	18 - 42 V
Open circuit voltage	50 V	68 V
Voltage settings	Stepless	Stepless
Welding current at 60 % duty cycle	350 A	500 A
Welding current at 100 % duty cycle	270 A	390 A
Weldable steel wire	0.8 - 1.6 mm	0.8 - 1.6 mm
Wire feed rate	1.5 - 20 m/min	1.5 - 20 m/min
Input phase	3 Phase	3 Phase
Main voltage, Tolerance	380 V, ± 10 %	380 V, ± 10 %
Frequency	50 / 60 Hz	50 / 60 Hz
Main fuse ( slow - blow )	40 A	50 A
Max. power consumption 380 V	18 KVA	30 KVA
Power factor	0.80	0.85
Index protection	IP 23	IP 23
Insulation class	F	F
Cooling type	F	F
Noise emission	< 75 dB ( A )	< 75 dB ( A )
Machine dimension ( L x W x H )	570 x 360 x 680 mm	690 x 430 x 780 mm
Machine weight	123 Kg	170 Kg
Wire feeder dimension ( L x W x H )	500 x 190 x 340 mm	500 x 190 x 340 mm
Wire feeder weight	11 Kg	11 Kg

Item Code	Item Name	MoQ
101.06.005.1	<b>KMX 353 - Mig Mag Air Cooled Package</b>	1 Set
101.06.005.2	<b>KMX 353 - Mig Mag Water Cooled Package</b>	1 Set
101.06.006.1	<b>KMX 503 - Mig Mag Air Cooled Package</b>	1 Set
101.06.006.2	<b>KMX 503 - Mig Mag Water Cooled Package</b>	1 Set
	<ul style="list-style-type: none"> <li>• Japanese wire feeder with straightener - 1 unit</li> <li>• Interpass cable size 50 mm<sup>2</sup> at 3 m - 1 set</li> <li>• Plug to ground clamp 50 mm<sup>2</sup> at 3 m - 1 set</li> <li>• Gas Hose 8 mm at 2 m - 1 set</li> <li>• Hose Clamp 10 mm - 3 pcs</li> </ul>	

Item Code	Item Name	MoQ	101.06.005.1	101.06.005.2	101.06.006.1	101.06.006.2
<b>Standard Accessories</b>						
101.06.005	Mig Mag Thyristor - KMX 353	1 Unit	•	•		
101.06.006	Mig Mag Thyristor - KMX 503	1 Unit			•	•
101.12.003	D 300 - Water Cooler Machine	1 Set		•		•
208.11.006	Water Cooled Hose Package - Blue & Red at 3 m	1 Set		•		•
<b>Standard Alternative</b>						
250.02.003.1	Mig Torch - Pro Mig 24 at 3 m long	1 Set	•		•	
250.02.004.1	Mig Torch - Pro Mig 24 at 4 m long	1 Set	•		•	
250.02.005.1	Mig Torch - Pro Mig 24 at 5 m long	1 Set	•		•	
250.02.006.1	Mig Torch - Pro Mig 36 at 3 m long	1 Set	•		•	
250.02.007.1	Mig Torch - Pro Mig 36 at 4 m long	1 Set	•		•	
250.02.008.1	Mig Torch - Pro Mig 36 at 5 m long	1 Set	•		•	
250.02.009.1	Mig Torch - Pro Mig 500 at 3 m long	1 Set		•		•
250.02.010.1	Mig Torch - Pro Mig 500 at 4 m long	1 Set		•		•
201.23.003	CO2 Heater 220V Gas Regulator	1 Pc	•	•	•	•
201.23.004	CO2 Fin Type Gas Regulator	1 Pc	•	•	•	•
<b>Optional Accessories</b>						
201.07.005	Feed Roll for KMX 353 & KMX 503 - 40 x 10 x 20 mm - Ø 0.8 / 1.0 mm ( V )	1 Pc	•	•	•	•
201.07.006	Feed Roll for KMX 353 & KMX 503 - 40 x 10 x 20 mm - Ø 1.0 / 1.2 mm ( V )	1 Pc	•	•	•	•
201.07.007	Feed Roll for KMX 353 & KMX 503 - 40 x 10 x 20 mm - Ø 1.2 / 1.6 mm ( V )	1 Pc	•	•	•	•
201.07.008	Feed Roll for KMX 353 & KMX 503 - 40 x 10 x 20 mm - Ø 1.2 / 1.6 mm ( Knurled )	1 Pc	•	•	•	•
201.09.009	Interpass Cable size 50 mm at 10 m - Air Cooled - KMX 353	1 Set	•			
201.09.010	Interpass Cable size 50 mm at 15 m - Air Cooled - KMX 353	1 Set	•			
201.09.011	Interpass Cable size 50 mm at 20 m - Air Cooled - KMX 353	1 Set	•			
201.09.012	Interpass Cable size 70 mm at 10 m - Air Cooled - KMX 503	1 Set			•	
201.09.013	Interpass Cable size 70 mm at 15 m - Air Cooled - KMX 503	1 Set			•	
201.09.014	Interpass Cable size 70 mm at 20 m - Air Cooled - KMX 503	1 Set			•	
201.10.009	Interpass Cable size 50 mm at 10 m - Water Cooled - KMX 353	1 Set		•		
201.10.010	Interpass Cable size 50 mm at 15 m - Water Cooled - KMX 353	1 Set		•		
201.10.011	Interpass Cable size 50 mm at 20 m - Water Cooled - KMX 353	1 Set		•		
201.10.012	Interpass Cable size 70 mm at 10 m - Water Cooled - KMX 503	1 Set				•
201.10.013	Interpass Cable size 70 mm at 15 m - Water Cooled - KMX 503	1 Set				•
201.10.014	Interpass Cable size 70 mm at 20 m - Water Cooled - KMX 503	1 Set				•
<b>General Accessories</b>						
201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•	•	•
215.01.002.1	Metallotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•	•	•
336.01.002	Antispatter Paste - Paste Welding 300ml - Siliconi	1 Can	•	•	•	•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•	•	•



## Mig Mag Inverter CC/CV Xi 300



Xi 300

### Main Applications

- Furniture
- Car body repair
- Caroseri
- On site welding
- Vehicle body maker
- Light fabricator

### Advantageous

- New CC / CV Technology for better welding quality and result and easy to use
- High duty cycle, suitable for light to medium welding jobs
- Welding current and voltage digital display for easy adjustment
- Multiprocess for MMA and MIG MAG welding process
- Recommend for "Vehicle body maker" welding and welding on thin sheets
- Suitable for aluminum welding from 0.8 - 1.0 mm

Specifications	Xi 300
Welding range	60 - 300 A
Load voltage	17 - 29 V
Open circuit voltage	51 V
Welding current at 80 % duty cycle	300 A
Welding current at 100 % duty cycle	268 A
Input power	11.0 KVA
Input current	17.0 A
Input phase	3 Phase
Main voltage, Tolerance	380 V, ± 15 %
Frequency	50 / 60 Hz
Weldable steel wire	0.8 - 1.2 mm
Weldable aluminum wire	0.8 - 1.2 mm
Power factor	0.93
Index protection	IP 23
Insulation class	F
Cooling type	F
Dimension ( L x W x H )	650 x 320 x 580 mm
Weight without accessories	36 Kg



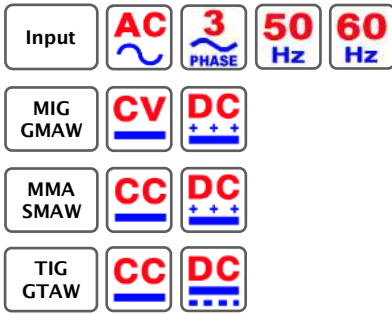
Item Code	Item Name	MoQ
101.15.002.1	Xi 300 - Mig Mag Inverter Package	1 Set
101.15.002.2	Xi 300 - Mig Mag Inverter Package for Alu	1 Set
	<ul style="list-style-type: none"> <li>• Plug to Ground Size 50 mm<sup>2</sup> at 3 m - 1 set</li> <li>• Gas Hose 8 mm at 2 m - 1 set</li> <li>• Hose Clamp 10 mm - 2 pcs</li> </ul>	



Item Code	Item Name	MoQ	101.15.002.1	101.15.002.2
<b>Standard Alternative</b>				
101.15.002	Mig Mag Inverter CC CV - Xi 300	1 Unit	•	•
250.02.003.1	Mig Torch - Pro Mig 24 at 3 m long	1 Set	•	•
250.02.004.1	Mig Torch - Pro Mig 24 at 4 m long	1 Set	•	•
250.02.005.1	Mig Torch - Pro Mig 24 at 5 m long	1 Set	•	•
250.02.001.1	Mig Torch - Pro Mig 15 at 3 m long	1 Set	•	•
250.02.002.1	Mig Torch - Pro Mig 15 at 4 m long	1 Set	•	•
201.23.003	CO2 Heater 220V GasRegulator	1 Pc	•	
201.23.004	CO2 Fin Type Gas Regulator	1 Pc	•	
201.23.002	CO2 Gas Regulator	1 Pc	•	
201.23.001	Argon Gas Regulator	1 Pc	•	•
250.16.003.1	Teflon Liner - Blue Ø 0.8 - 1.0 mm at 5 m	1 Set		•
250.16.006.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 5 m	1 Set		•
250.16.009.1	Teflon Liner - Yellow Ø 1.4 - 1.6 mm at 5 m	1 Set		•
<b>Optional Accessories for GMAW / MIG MAG</b>				
201.37.001	Feed Roll for Xi 300 - 42.3 x 16 x 20 mm - Ø 0.8 / 1.0 mm ( V )	1 Pc	•	•
201.37.002	Feed Roll for Xi 300 - 42.3 x 16 x 20 mm - Ø 1.0 / 1.2 mm ( V )	1 Pc	•	•
201.37.003	Feed Roll for Xi 300 - 42.3 x 16 x 20 mm - Ø 0.8 / 1.0 mm ( U )	1 Pc	•	•
201.37.004	Feed Roll for Xi 300 - 42.3 x 16 x 20 mm - Ø 1.0 / 1.2 mm ( U )	1 Pc	•	•
201.37.005	Feed Roll for Xi 300 - 42.3 x 16 x 20 mm - Ø 1.0 / 1.2 mm ( Knurled )	1 Pc	•	•
<b>Optional Accessories for SMAW / MMA</b>				
208.04.007	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 5 m	1 Set		•
208.03.005	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 5 m	1 Set		•
<b>General Accessories</b>				
201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•
215.01.002.1	Metallotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•
336.01.002	Antispatter Paste - Paste Welding 300ml - Siliconi	1 Can	•	•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•



## Mig Mag - CC/CV Inverter - Wire Feeder Xi 350



### Main Applications

- Steel metal sheet
- Construction and shipyards
- Oil and gas pipe welding
- On site welding

### Advantageous

- High duty cycle and output for heavy duty use
- Designated for medium to heavy industries that deliver reliable welding result
- Digital display for accurate welding amperage adjustment
- The effective protection circuitries against various damaged risks such as lack of phase, overload of voltage, overload of current, voltage shortage, overheat delivers high reliability during operating
- Worldwide advanced IGBT and fast recovery diode module combines with upgraded circuitry to provide longevity and reliability
- Rugged industrial wire feeder system, with two geared feed rolls, quick change reversible drive rolls and easy to set scaled tension knob
- Strong machine fan for maximum cooling system

Specifications	Xi 350
Welding range	80 - 350 A
Load voltage	18 - 31.5 V
Open circuit voltage	55 V
Welding current at 100 % duty cycle ( 40°C )	350 A
Input power	14 KVA
Input current	21 A
Input Phase	3 Phase
Main voltage, Tolerance	380 V, ± 15 %
Frequency	50 / 60 Hz
Weldable Steel wire	0.8 - 1.6 mm
Weldable Aluminum wire	0.8 - 1.6 mm
Power factor	0.93
Index protection	IP 23
Insulation class	F
Cooling type	F
Dimension ( L x W x H )	650 x 360 x 577 mm
Weight	33 Kg

Item Code	Item Name	MoQ
101.16.001.1	Xi 350 - Mig Mag Inverter CC CV Wire Feeder - Air Cooled Package	1 Set
101.16.001.2	Xi 350 - Mig Mag Inverter CC/CV Wire Feeder - Water Cooled Package	1 Set
101.16.001.3	Xi 350 - MMA Package	1 Set
101.16.001.4	Xi 350 - TIG Package	1 Set
	<ul style="list-style-type: none"> <li>• Japanese Wire Feeder with Wire Straightener - 1 unit</li> <li>• Interpass Cable Size 50 mm<sup>2</sup> at 5 m - 1 set</li> <li>• Plug to Ground Size 50 mm<sup>2</sup> at 3 m - 1 set</li> <li>• Gas Hose 8 mm at 5 m - 1 set</li> <li>• Hose Clamp 10 mm - 3 pcs</li> <li>• Rubber Sleeve for Interpass Cable - 1 unit</li> </ul>	

Item Code	Item Name	MoQ	101.16.001.1	101.16.001.2	101.16.001.3	101.16.001.4
<b>Standard Accessories</b>						
101.16.001	Mig Mag Inverter CC CV Wire Feeder - Xi 350	1 Set	•	•	•	•
101.12.003	D 300 - Water Cooler Machine	1 Set		•		
208.11.006	Water Cooled Hose Package - Blue & Red at 6 m	1 Set		•		
517.01.033	Hose Clamp 1/2"	2 Pcs		•		
203.34.002	TIG Air Cooled Package with WP 17 V - 25-2 at 8 m - 35-50	1 Set				•
<b>Standard Alternative</b>						
250.02.003.1	Mig Torch - Pro Mig 24 at 3 m long	1 Set	•			
250.02.004.1	Mig Torch - Pro Mig 24 at 4 m long	1 Set	•			
250.02.005.1	Mig Torch - Pro Mig 24 at 5 m long	1 Set	•			
250.02.006.1	Mig Torch - Pro Mig 36 at 3 m long	1 Set	•			
250.02.007.1	Mig Torch - Pro Mig 36 at 4 m long	1 Set	•			
250.02.008.1	Mig Torch - Pro Mig 36 at 5 m long	1 Set	•			
250.02.009.1	Mig Torch - Pro Mig 500 at 3 m long	1 Set		•		
250.02.010.1	Mig Torch - Pro Mig 500 at 4 m long	1 Set		•		
201.23.003	CO2 Heater 220V Gas Regulator	1 Pc	•	•		
201.23.004	CO2 Fin Type Gas Regulator	1 Pc	•	•		
201.23.001	Argon Gas Regulator	1 Pc	•	•		
201.23.002	CO2 Gas Regulator	1 Pc	•	•		
<b>Optional Accessories for GMAW / MIG MAG</b>						
201.38.001	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 0.8 / 1.0 mm ( V )	1 Pc	•	•		
201.38.002	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 1.0 / 1.2 mm ( V )	1 Pc	•	•		
201.38.003	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 1.2 / 1.6 mm ( V )	1 Pc	•	•		
201.38.004	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 0.8 / 1.0 mm ( U )	1 Pc	•	•		
201.38.005	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 1.0 / 1.2 mm ( U )	1 Pc	•	•		
201.38.006	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 1.2 / 1.6 mm ( U )	1 Pc	•	•		
201.38.007	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 1.2 / 1.6 mm ( Knurled )	1 Pc	•	•		
201.38.008	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 1.6 / 2.4 mm ( Knurled )	1 Pc	•	•		
201.35.002	Interpass Cable size 50 mm at 10 m - Air Cooled - Xi 350	1 Set	•			
201.35.003	Interpass Cable size 50 mm at 15 m - Air Cooled - Xi 350	1 Set	•			
201.35.004	Interpass Cable size 50 mm at 20 m - Air Cooled - Xi 350	1 Set	•			
201.36.002	Interpass Cable size 50 mm at 10 m - Water Cooled - Xi 350	1 Set		•		
201.36.003	Interpass Cable size 50 mm at 15 m - Water Cooled - Xi 350	1 Set		•		
201.36.004	Interpass Cable size 50 mm at 20 m - Water Cooled - Xi 350	1 Set		•		
<b>Optional Accessories for SMAW / MMA</b>						
208.04.007	Plug to Ground Clamp 600 A, 50 mm2 at 5 m	1 Set			•	
208.04.008	Plug to Ground Clamp 600 A, 50 mm2 at 10 m	1 Set			•	
208.03.005	Plug to Electrode Holder 400 A, 50 mm2 at 5 m	1 Set			•	
208.03.006	Plug to Electrode Holder 400 A, 50 mm2 at 10 m	1 Set			•	
208.03.007	Plug to Electrode Holder 400 A, 50 mm2 at 20 m	1 Set			•	
208.03.008	Plug to Electrode Holder 400 A, 50 mm2 at 25 m	1 Set			•	

Item Code	Item Name	MoQ	101.16.001.1	101.16.001.2	101.16.001.3	101.16.001.4
<b>General Accessories</b>						
201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•	•	•
208.18.001	Torch Holder - TIG	1 Pc				•
208.18.002	Torch Holder - MIG	1 Pc	•	•		
215.01.002.1	Metallotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•		
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•		
336.01.002	Antispatter Paste - Paste Welding 300ml - Siliconi	1 Can	•	•		
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•		



# Mig Mag - CC/CV Inverter - Wire Feeder Xi 500

Input	AC	3 PHASE	50 Hz	60 Hz
MIG GMAW	CV	DC		
MMA SMAW	CC	DC		
TIG GTAW	CC	DC		



### Main Applications

- Steel metal sheet
- Construction and shipyards
- Oil and gas pipe welding
- On site welding

### Advantageous

- High duty cycle and output for heavy duty use
- Designated for medium to heavy industries that deliver reliable welding result
- Digital display for accurate welding amperage adjustment
- The effective protection circuitries against various damaged risks such as lack of phase, overload of voltage, overload of current, voltage shortage, overheat delivers high reliability during operating
- Worldwide advanced IGBT and fast recovery diode module combines with upgraded circuitry to provide longevity and reliability
- Rugged industrial wire feeder system, with two geared feed rolls, quick change reversible drive rolls and easy to set scaled tension knob
- Strong machine fan for maximum cooling system

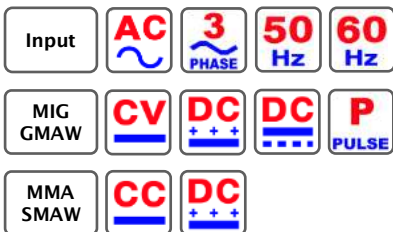
Specifications	Xi 500
Welding range	100 - 500 A
Load voltage	19 - 39 V
Open circuit voltage	63 V
Welding current at 100 % duty cycle ( 40°C )	500 A
Input power	24.7 KVA
Input current	37.5 A
Input Phase	3 Phase
Main voltage, Tolerance	380 V, ± 15 %
Frequency	
Weldable Steel wire	0.8 - 1.6 mm
Weldable Aluminum wire	0.8 - 1.6 mm
Power factor	0.93
Index protection	IP 23
Insulation class	F
Cooling type	F
Dimension ( L x W x H )	650 x 360 x 577 mm
Weight	38 Kg

Item Code	Item Name	MoQ
101.16.002.1	Xi 500 - Mig Mag Inverter CC CV Wire Feeder - Air Cooled Package	1 Set
101.16.002.2	Xi 500 - Mig Mag Inverter CC/CV Wire Feeder - Water Cooled Package	1 Set
101.16.002.3	Xi 500 - MMA Package	1 Set
101.16.002.4	Xi 500 - TIG Package	1 Set
	<ul style="list-style-type: none"> <li>• Japanese Wire Feeder with Wire Straightener - 1 unit</li> <li>• Interpass Cable Size 70 mm<sup>2</sup> at 5 m - 1 set</li> <li>• Plug to Ground Size 70 mm<sup>2</sup> at 3 m - 1 set</li> <li>• Gas Hose 8 mm at 2 m - 1 set</li> <li>• Hose Clamp 10 mm - 3 pcs</li> <li>• Rubber Sleeve for Interpass Cable - 1 unit</li> </ul>	



Item Code	Item Name	MoQ	101.16.002.1	101.16.002.2	101.16.002.3	101.16.002.4
<b>Standard Accessories</b>						
101.16.002	Mig Mag Inverter CC CV Wire Feeder - Xi 500	1 Set	•	•	•	•
101.12.003	D 300 - Water Cooler Machine	1 Set		•		
208.11.006	Water Cooled Hose Package - Blue & Red at 6 m	1 Set		•		
517.01.033	Hose Clamp 1/2"	2 Pcs		•		
203.34.002	TIG Air Cooled Package with WP 17 V - 25-2 at 8 m - 35-50	1 Set				•
<b>Standard Alternative</b>						
250.02.003.1	Mig Torch - Pro Mig 24 at 3 m long	1 Set	•			
250.02.004.1	Mig Torch - Pro Mig 24 at 4 m long	1 Set	•			
250.02.005.1	Mig Torch - Pro Mig 24 at 5 m long	1 Set	•			
250.02.006.1	Mig Torch - Pro Mig 36 at 3 m long	1 Set	•			
250.02.007.1	Mig Torch - Pro Mig 36 at 4 m long	1 Set	•			
250.02.008.1	Mig Torch - Pro Mig 36 at 5 m long	1 Set	•			
250.02.009.1	Mig Torch - Pro Mig 500 at 3 m long	1 Set		•		
250.02.010.1	Mig Torch - Pro Mig 500 at 4 m long	1 Set		•		
201.23.003	CO2 Heater 220V Gas Regulator	1 Pc	•	•		
201.23.004	CO2 Fin Type Gas Regulator	1 Pc	•	•		
201.23.001	Argon Gas Regulator	1 Pc	•	•		
201.23.002	CO2 Gas Regulator	1 Pc	•	•		
<b>Optional Accessories for GMAW / MIG MAG</b>						
201.38.001	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 0.8 / 1.0 mm ( V )	1 Pc	•	•		
201.38.002	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 1.0 / 1.2 mm ( V )	1 Pc	•	•		
201.38.003	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 1.2 / 1.6 mm ( V )	1 Pc	•	•		
201.38.004	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 0.8 / 1.0 mm ( U )	1 Pc	•	•		
201.38.005	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 1.0 / 1.2 mm ( U )	1 Pc	•	•		
201.38.006	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 1.2 / 1.6 mm ( U )	1 Pc	•	•		
201.38.007	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 1.2 / 1.6 mm ( Knurled )	1 Pc	•	•		
201.38.008	Feed Roll for Xi 350 & 500 - 40 x 10 x 20 mm - Ø 1.6 / 2.4 mm ( Knurled )	1 Pc	•	•		
201.36.006	Interpass Cable size 70 mm at 10 m - Water Cooled - Xi 500	1 Set		•		
201.36.007	Interpass Cable size 70 mm at 15 m - Water Cooled - Xi 500	1 Set		•		
201.36.008	Interpass Cable size 70 mm at 20 m - Water Cooled - Xi 500	1 Set		•		
<b>Optional Accessories for SMAW / MMA</b>						
208.04.004	Plug to Ground Clamp 600 A, 70 mm2 at 5 m	1 Set			•	
208.04.005	Plug to Ground Clamp 600 A, 70 mm2 at 10 m	1 Set			•	
208.04.006	Plug to Ground Clamp 600 A, 70 mm2 at 15 m	1 Set			•	
208.04.007	Plug to Ground Clamp 600 A, 50 mm2 at 5 m	1 Set			•	
208.04.008	Plug to Ground Clamp 600 A, 50 mm2 at 10 m	1 Set			•	
208.03.001	Plug to Electrode Holder 400 A, 70 mm2 at 5 m	1 Set			•	
208.03.002	Plug to Electrode Holder 400 A, 70 mm2 at 10 m	1 Set			•	
208.03.003	Plug to Electrode Holder 400 A, 70 mm2 at 20 m	1 Set			•	
208.03.005	Plug to Electrode Holder 400 A, 50 mm2 at 5 m	1 Set			•	
208.03.006	Plug to Electrode Holder 400 A, 50 mm2 at 10 m	1 Set			•	
208.03.007	Plug to Electrode Holder 400 A, 50 mm2 at 20 m	1 Set			•	
208.03.008	Plug to Electrode Holder 400 A, 50 mm2 at 25 m	1 Set			•	

Item Code	Item Name	MoQ	101.16.002.1	101.16.002.2	101.16.002.3	101.16.002.4
<b>General Accessories</b>						
201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•		•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•		•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•		•
208.18.001	Torch Holder - TIG	1 Pc				•
208.18.002	Torch Holder - MIG	1 Pc	•	•		
215.01.002.1	Metallotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•		
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•		
336.01.002	Antispatter Paste - Paste Welding 300ml - Siliconi	1 Can	•	•		
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•		



## Mig Mag Inverter - Pulse Sigma Galaxy 400 S-W + Trolley



**Sigma Galaxy 400**

### Main Applications

- Thin sheet fabrication
- Repair and maintenance
- Car repairs
- Outfitting in shipyards and offshore
- Pipeline
- Aluminum shipyards

The Sigma Galaxy contains all the best features from Sigma<sup>2</sup> plus even more intelligence in the digital soft key control panel, MIG/MAG welding with or without pulse, based on the latest research in arc physics, three program packages : Standard, Standard Plus and the newly developed IAC<sup>TM</sup> which includes mild steel and stainless steel. The Sigma Galaxy is also perfect for robot welding.



### IAC<sup>TM</sup> ( Intelligent Arc Control ) Sublime welds - quite automatically

IAC<sup>TM</sup> ( Intelligent Arc Control ) is a brand new intelligent and adaptive control of the short arc process for Sigma Galaxy 400 which automatically handles all changes in the weld pool during the welding process. The result is a 100 % stable and focused short arc, colder welding, lower heat input, less distortion and lower power consumption. IAC<sup>TM</sup> ( Intelligent Arc Control ) increases welding speed in vertical downwards welding of root passes.

### Less spatter and more stability

IAC<sup>TM</sup> ( Intelligent Arc Control ) registers every single welding cycle and adjusts the arc 50.000 times per second. The powerful computer in the Sigma Galaxy continuously predicts the next milliseconds of the welding process which allows the IAC<sup>TM</sup> ( Intelligent Arc Control ) to supply the required energy.



IAC root pass welded in vertical downwards position in 5 mm mild steel.



IAC root pass welded in vertical downwards position in 10 mm mild steel, filled with two Sequence Repeat passes in vertical downwards position.



### Intelligent Gas Control

IGC<sup>®</sup> Intelligent Gas Control is a standard feature in the Sigma Galaxy, a dynamic gas control that monitors consumption and optimizes gas protection. IGC<sup>®</sup> may give gas savings in excess of 50% with proportionally fewer replacements of gas cylinder to the benefit of economy, environment and efficiency. From the start of the welding process, the IGC<sup>®</sup> function prevents over consumption of gas and gives a good initial performance. IGC<sup>®</sup> takes control once the weld pool is established and ensures extensive savings.



### Digital memory with Migatronic MJC<sup>TM</sup>

MJC<sup>TM</sup> Miga Job Control is an easy to use job control function for recall of your favorite settings for repetitive welding operations. The clear digital color display makes it easy to choose settings. The newly developed MJC<sup>TM</sup> Miga Job Control allows welders to save up to 200 individual welding jobs, and for every job name saved, additionally nine sequences can be saved which means that the Galaxy can hold as much as 1.800 settings.

Machine Specifications	
Welding range MIG/MAG	15 - 400 A
Welding range MMA	15 - 400 A
Welding current at 40 % - 40°C	400 A
Welding current at 60 % - 40°C	350 A
Welding current at 100 % - 40°C	280 A
Open circuit voltage	80 V
Input phase	3 Phase
Main voltage, Tolerance	400 V, ± 15 %
Frequency	50 / 60 Hz
Rated power at max. current	19.5 KVA
Rated power at 100 %	11.4 KVA
Connection cable / fuse delayed	20 A
Efficiency	0.82
Power factor	0.90
Index protection	IP 23 S
Dimension ( L x W x H )	1031 x 524 x 1144 mm
Weight	87 kg

Wire Feeder MWF 41 Specifications	
Working voltage	0.5 - 30 m/min
Max. load at 60 % - 40°C	500 A
Max. load at 100 % - 40°C	420 A
Weldable Fe, Ss wires	0.8 - 1.6 mm
Weldable cored wire	1.2 - 1.6 mm
Weldable Al wire	0.9 - 2.4 mm
Gas pressure max.	5.0 bar
Dimensions ( L x W x H )	780 x 245 x 440 mm
Weight	19 Kg

Cooling Unit	
Cooling efficiency	1.7 kW ( 1.5 l/min )
Tank capacity	3.5 liter
Flow - 1.2 bar - 60°C	1.75 l/min
Pressure max.	3 bar

Function	Process	Value Range
Selection of trigger mode	MIG/MAG	2 times / 4 times
Control of current / voltage / wire feed speed	-	Local / torch control
Wire inching	MIG/MAG	Yes
Torch cooling	-	Water cooled / gas cooled
Hot start %	MMA	0 - 100 %
Hot start time	MMA	0 - 20 sec
Arc power	MMA	0 - 150 %
Gas pre flow	MIG MAG	0 - 10 sec
Soft start	MIG MAG	0.5 - 24.0 m/min
Hot start	Synergic	-99 % - +99 %
Hot start time	Synergic	0.0 - 20.0 sec
Slope down	Synergic	0.0 - 10.0 sec
Stop amp	Synergic	0 - 100 %
Burn back	MIG/MAG	1 - 30
Gas post flow	MIG/MAG	0.0 - 20.0 sec
Sequence timer / spot welding time	MIG/MAG	0.0 - 50.0 sec
DUO Plus™ efficiency	MIG/MAG	0 - 50 %
DUO Plus™ time	MIG/MAG	0.1 - 9.9 sec
Electronic choke		-5.0 - +5.0
Sequence		99 sequence steps

Item Code	Item Name	MoQ
135.06.001.1	Sigma Galaxy 400 S-W + Trolley - Mig Mag Inverter Water Cooled Package for Steel	1 Set
135.06.001.2	Sigma Galaxy 400 S-W + Trolley - Mig Mag Inverter Water Cooled Package for Alu.	1 Set
	<ul style="list-style-type: none"> <li>• MWF 41 - wire feeder - 1 unit</li> <li>• Galaxy control panel - 1 set</li> <li>• Software - standard license - 1 pcs</li> <li>• Module &amp; software IGC - intelligent gas control - 1 set</li> <li>• KIT MWF 1.2 V Red - 1 set</li> <li>• Interconnection 70 mm2 water, at 1.5 m - 1 set</li> <li>• Standard trolley - 1 set</li> </ul>	

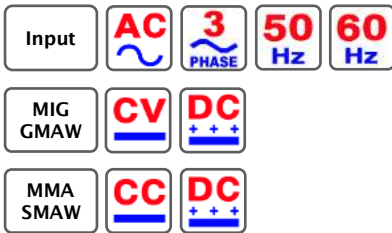
Item Code	Item Name	MoQ		
<b>Standard Accessories</b>				
135.06.001	Mig Mag Inverter - Pulse - Sigma Galaxy 400 S-W + Trolley	1 Unit	•	•
235.03.003	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 3 m	1 Set	•	•
201.23.001	Argon Gas Regulator	1 Pc		•
<b>Standard Alternative</b>				
250.02.009.1	Mig Torch - Pro Mig 500 at 3 m long	1 Set	•	•
250.02.010.1	Mig Torch - Pro Mig 500 at 4 m long	1 Set	•	•
250.16.006.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 5 m	1 Set		•
250.16.009.1	Teflon Liner - Yellow Ø 1.4 - 1.6 mm at 5 m	1 Set		•
201.23.001	Argon Gas Regulator	1 Pc	•	
201.23.003	CO2 Heater 220V Gas Regulator	1 Pc	•	
201.23.004	CO2 Fin Type Gas Regulator	1 Pc	•	
<b>Optional Accessories for SMAW / MMA</b>				
208.04.007	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 5 m	1 Set	•	•
208.03.005	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 5 m	1 Set	•	•
<b>General Accessories</b>				
201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•
215.01.002.1	Metallotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•
336.01.002	Antispatter Paste - Paste Welding 300ml - Siliconi	1 Can	•	•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•







## Mig Mag Inverter - FastMig Synergic KMS 400 Fastroot



**KMS 400 Fastroot**

### Main Applications

- Heavy & medium metal fabrication
- Steel structure workshops
- Shipbuilding & offshore
- Chemical and process industry

### Advantageous

- The FastMig™ Synergic range is suitable for the MIG/MAG welding of all materials in the heavy and medium heavy metal industry
- The power to weight ratio of the energy saving FastMig™ Synergic power sources for 400 and 500 amperes is without peer
- The wire feed unit casings are designed for demanding conditions and different environments, shock proof, recyclable-double plastic casings
- A powerful engine with precise gears and power transmission guarantee an uninterrupted, reliable wire feed
- FastROOT™ process is an optional FastMig™ software product for fast, accurate root pass welding in Fe and Ss materials

### Machine Specifications

Welding range MIG/MAG	10 V...39 V
Welding range MMA	10 A...400 A
Welding current at 80 % - 40°C	400 A / 34 V
Welding current at 100 % - 40°C	380 A / 33 V
Open circuit voltage	50 V
Input phase	3 Phase
Main voltage, Tolerance	400 V, -15 ... +20 %
Frequency	50 / 60 Hz
Rated power at 80 %	19.5 KVA
Rated power at 100 %	18.5 KVA
Connection cable / fuse delayed	4 x 6 S , 5 m / 35 A
Efficiency	87 %
Power factor	0.9
Index protection	IP 23 C
Dimension ( L x W x H )	590 x 230 x 430 mm
Weight	35 kg

### Wire Feeder MSF 57 Specifications

Working voltage	50 V DC
Rated power	100 W
Max. load at 60 % - 40°C	520 A
Max. load at 100 % - 40°C	440 A
Weldable Fe, Ss wire	0.6 ... 1.6 mm
Weldable cored wire	0.8 ... 2.0 mm
Weldable Al wire	1.0 ... 2.4 mm
Dimensions ( L x W x H )	625 x 243 x 247 mm
Weight	12.5 kg

### Item Code

### Item Name

### MoQ

102.06.003.1	<b>KMS 400 Fastroot Mig Mag Air Cooled Package</b>	1 Set
102.06.003.2	<b>KMS 400 Fastroot Mig Mag Air Cooled Package for Alu</b>	1 Set
	<ul style="list-style-type: none"> <li>• Wire feeders MSF 57</li> <li>• FastMig Synergic - Panel SF 53</li> <li>• Fastmig - fastroot feature</li> <li>• Gas hose with coupler</li> </ul>	

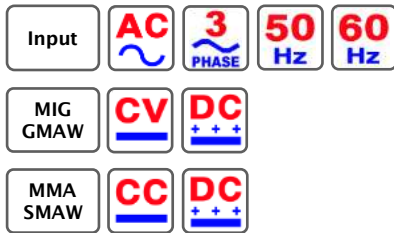
Item Code	Item Name	MoQ		
<b>Standard Accessories</b>				
102.06.003	Mig Mag Inverter - FastMig Synergic - KMS 4000 Fastroot	1 Unit	•	•
202.12.003	Plug to Ground Clamp 600 A, size 50 mm <sup>2</sup> at 3 m	1 Set	•	•
202.04.001	Interpass Cable size 70 mm <sup>2</sup> at 3 m - Air Cooled - KMS 400 + 500	1 Set	•	•
201.23.001	Argon Gas Regulator	1 Pc		•
<b>Standard Alternative</b>				
250.02.006.1	Mig Torch - Pro Mig 36 at 3 m long	1 Set	•	•
250.02.007.1	Mig Torch - Pro Mig 36 at 4 m long	1 Set	•	•
250.02.008.1	Mig Torch - Pro Mig 36 at 5 m long	1 Set	•	•
250.16.006.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 5 m	1 Set		•
250.16.009.1	Teflon Liner - Yellow Ø 1.4 - 1.6 mm at 5 m	1 Set		•
201.23.003	CO2 Heater 220V Gas Regulator	1 Pc	•	
201.23.004	CO2 Fin Type Gas Regulator	1 Pc	•	
202.15.017	1 Groove - Drawing, U Ø 1.2 Orange	2 Pcs		•
202.15.018	1 Groove - Pressing, U Ø 1.2 Orange	2 Pcs		•
202.15.015	1 Groove - Drawing, U Ø 1.0 Red	2 Pcs		•
202.15.016	1 Groove - Pressing, U Ø 1.0 Red	2 Pcs		•
202.15.021	1 Groove - Drawing, U Ø 1.6 Yellow	2 Pcs		•
202.15.022	1 Groove - Pressing, U Ø 1.6 Yellow	2 Pcs		•



Item Code	Item Name	MoQ		
<b>Optional Accessories</b>				
202.15.001	1 Groove - Drawing, V Ø 1.0 Red	2 Pcs	•	
202.15.002	1 Groove - Pressing, V Ø 1.0 Red	2 Pcs	•	
202.15.003	1 Groove - Drawing, V Ø 1.2 Orange	2 Pcs	•	
202.15.004	1 Groove - Pressing, V Ø 1.2 Orange	2 Pcs	•	
202.15.005	1 Groove - Drawing, V Ø 0.8 / 0.9 White	2 Pcs	•	
202.15.006	1 Groove - Pressing, V Ø 0.8 / 0.9 White	2 Pcs	•	
202.15.007	1 Groove - Drawing, V Ø 1.4 Brown	2 Pcs	•	
202.15.008	1 Groove - Pressing, V Ø 1.4 Brown	2 Pcs	•	
202.15.009	1 Groove - Drawing, V Ø 1.6 Yellow	2 Pcs	•	
202.15.010	1 Groove - Pressing, V Ø 1.6 Yellow	2 Pcs	•	
202.15.011	1 Groove - Drawing, Knurled Ø 1.2 Orange	2 Pcs	•	
202.15.012	1 Groove - Pressing, Knurled, V Ø 1.2 Orange	2 Pcs	•	
202.15.013	1 Groove - Drawing, Knurled Ø 1.4 / 1.6 Yellow	2 Pcs	•	
202.15.014	1 Groove - Pressing, Knurled Ø 1.4 / 1.6 Yellow	2 Pcs	•	
202.15.019	1 Groove - Drawing, Knurled Ø 2.0/ 1.6 Grey	2 Pcs	•	
202.15.020	1 Groove - Drawing, Knurled Ø 2.0/ 1.6 Grey	2 Pcs	•	
202.04.002	Interpass Cable size 70 mm <sup>2</sup> at 10 m - Air Cooled - KMS 400 + 500	1 Set	•	•
202.04.003	Interpass Cable size 70 mm <sup>2</sup> at 20 m - Air Cooled - KMS 400 + 500	1 Set	•	•
202.19.005	PM 500 for Fast Mig	1 Set	•	•
<b>Optional Accessories for SMAW / MMA</b>				
208.03.001	Plug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 5 m	1 Set	•	•
208.03.002	Plug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 10 m	1 Set	•	•
208.03.003	Plug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 20 m	1 Set	•	•
<b>General Accessories</b>				
201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•
215.01.002.1	Metalotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•
336.01.002	Antispatter Paste - Paste Welding 300ml - Siliconi	1 Can	•	•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•



# Mig Mag Inverter - FastMig Synergic KMS 500



**KMS 500**

### Main Applications

- Heavy & medium metal fabrication
- Steel structure workshops
- Shipbuilding & offshore
- Chemical and process industry

### Advantageous

- The FastMig™ Synergic range is suitable for the MIG/MAG welding of all materials in the heavy and medium heavy metal industry
- The wire feed unit casings are designed for demanding conditions and different environments, shock proof, recyclable double plastic casings
- The power to weight ratio of the energy-saving FastMig™ Synergic power sources for 400 and 500 amperes is without peer
- A powerful engine with precise gears and power transmission guarantee an uninterrupted, reliable wire feed

### Machine Specifications

Welding range MIG/MAG	10 V...42 V
Welding range MMA	10 A...500 A
Welding current at 60 % - 40°C	500 A / 39 V
Welding current at 100 % - 40°C	430 A / 35.5 V
Open circuit voltage	50 V
Input phase	3 Phase
Main voltage, Tolerance	400 V, -15... +20 %
Frequency	50 / 60 Hz
Rated power at 60 %	26.1 KVA
Rated power at 100 %	20.3 KVA
Connection cable / fuse delayed	4 x 6 S , 5 m / 35 A
Efficiency	87 %
Power factor	0.9
Index protection	IP 23 C
Dimension ( L x W x H )	590 x 230 x 430 mm
Weight	36 kg

### Wire Feeder MSF 57 Specifications

Working voltage	50 V DC
Rated power	100 W
Max. load at 60 % - 40°C	520 A
Max. load at 100 % - 40°C	440 A
Weldable Fe, Ss wire	0.6 ... 1.6 mm
Weldable cored wire	0.8 ... 2.0 mm
Weldable Al wire	1.0 ... 2.4 mm
Dimensions ( L x W x H )	625 x 243 x 247 mm
Weight	12.5 kg



Item Code	Item Name	MoQ
102.06.002.1	<b>KMS 500 - Mig Mag Air Cooled Package</b>	1 Set
102.06.002.2	<b>KMS 500 - Mig Mag Air Cooled Package for Alu</b>	1 Set
	<ul style="list-style-type: none"> <li>• Wire feeders MSF 57</li> <li>• FastMig synergic - panel SF 53</li> <li>• Gas hose with coupler</li> </ul>	

Item Code	Item Name	MoQ	102.06.002.1	102.06.002.2
<b>Standard Accessories</b>				
102.06.002	Mig Mag Inverter - FastMig Synergic - KMS 500	1 Unit	•	•
202.12.003	Plug to Ground Clamp 600 A, size 50 mm <sup>2</sup> at 3 m	1 Set	•	•
202.04.001	Interpass Cable size 70 mm <sup>2</sup> at 3 m - Air Cooled - KMS 400 + 500	1 Set	•	•
201.23.001	Argon Gas Regulator	1 Pc		
<b>Standard Alternative</b>				
250.02.006.1	Mig Torch - Pro Mig 36 at 3 m long	1 Set	•	•
250.02.007.1	Mig Torch - Pro Mig 36 at 4 m long	1 Set	•	•
250.02.008.1	Mig Torch - Pro Mig 36 at 5 m long	1 Set	•	•
250.16.006.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 5 m	1 Set		•
203.12.008	Teflon Liner - Yellow Ø 1.4 - 1.6 mm at 5 m	1 Set		•
201.23.003	CO2 Heater 220V Gas Regulator	1 Pcs	•	
201.23.004	CO2 Fin Type Gas Regulator	1 Pcs	•	
201.23.001	Argon Gas Regulator	1 Pcs	•	
202.15.017	1 Groove - Drawing, U Ø 1.2 Orange	2 Pcs		•
202.15.018	1 Groove - Pressing, U Ø 1.2 Orange	2 Pcs		•
202.15.015	1 Groove - Drawing, U Ø 1.0 Red	2 Pcs		•
202.15.016	1 Groove - Pressing, U Ø 1.0 Red	2 Pcs		•
202.15.021	1 Groove - Drawing, U Ø 1.6 Yellow	2 Pcs		•
202.15.022	1 Groove - Pressing, U Ø 1.6 Yellow	2 Pcs		•





Item Code	Item Name	MoQ		
<b>Optional Accessories</b>				
202.15.001	1 Groove - Drawing, V Ø 1.0 Red	2 Pcs	•	
202.15.002	1 Groove - Pressing, V Ø 1.0 Red	2 Pcs	•	
202.15.003	1 Groove - Drawing, V Ø 1.2 Orange	2 Pcs	•	
202.15.004	1 Groove - Pressing, V Ø 1.2 Orange	2 Pcs	•	
202.15.005	1 Groove - Drawing, V Ø 0.8 / 0.9 White	2 Pcs	•	
202.15.006	1 Groove - Pressing, V Ø 0.8 / 0.9 White	2 Pcs	•	
202.15.007	1 Groove - Drawing, V Ø 1.4 Brown	2 Pcs	•	
202.15.008	1 Groove - Pressing, V Ø 1.4 Brown	2 Pcs	•	
202.15.009	1 Groove - Drawing, V Ø 1.6 Yellow	2 Pcs	•	
202.15.010	1 Groove - Pressing, V Ø 1.6 Yellow	2 Pcs	•	
202.15.011	1 Groove - Drawing, Knurled Ø 1.2 Orange	2 Pcs	•	
202.15.012	1 Groove - Pressing, Knurled Ø 1.2 Orange	2 Pcs	•	
202.15.013	1 Groove - Drawing, Knurled Ø 1.4 / 1.6 Yellow	2 Pcs	•	
202.15.014	1 Groove - Pressing, Knurled Ø 1.4 / 1.6 Yellow	2 Pcs	•	
202.15.019	1 Groove - Drawing, Knurled Ø 2.0 Grey	2 Pcs	•	
202.15.020	1 Groove - Pressing, Knurled Ø 2.0 Grey	2 Pcs	•	
202.04.002	Interpass Cable size 70 mm <sup>2</sup> at 10 m - Air Cooled - KMS 400 + 500	1 Set	•	•
202.04.003	Interpass Cable size 70 mm <sup>2</sup> at 20 m - Air Cooled - KMS 400 + 500	1 Set	•	•
202.19.005	PM 500 for Fast Mig	1 Set	•	•
208.03.001	Plug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 5 m	1 Set	•	•
208.03.002	Plug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 10 m	1 Set	•	•
208.03.003	Plug to Electrode Holder 600 A, 70 mm <sup>2</sup> at 20 m	1 Set	•	•
<b>General Accessories</b>				
201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•
215.01.002.1	Metallotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•
336.01.002	Antispatter Paste - Paste Welding 300ml - Siliconi	1 Can	•	•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•



## Mig Mag Inverter XiM - 350



### Main Applications

- Large metalworking objects
- Repair and maintenance
- Heavy metal workshops
- Outfitting in shipyards and offshore

### Advantageous

- Simple LCD display, easy usage and fast implementation
- The ingenious X-like form, brings safety and easy handling
- Low energy consumption, XiM needs only 2/3 of the supply power compared to that of thyristor machines
- Wide voltage area, reliable usage also in fluctuating voltage supply
- Familiar function, connections - Tail Arc - Repeat functions, etc
- Synergic program for mild steel, solid wire and flux cored

chine Specifications	XiM 350
Welding current at 60 % - 40°C	350 A / 31.5 V
Welding current at 80 % - 40°C	300 A / 29.0 V
Welding current at 100 % - 40°C	270 A / 27.5 V
Open circuit voltage	46 V
Input phase	3 Phase
Main voltage, Tolerance	380 V, -10 % ... +10 % 400 V, -15 % ... +15 %
Frequency	50 / 60 Hz
Rated power at max. current	15 KVA
Efficiency	86 %
Power factor	0.90
Index protection	IP 23 S
Dimension ( L x W x H )	710 x 250 x 500 mm
Weight	29 kg

Wire Feeder XF 10 Specifications	
Load capacity at 60 % - 40°C	500 A
Load capacity at 100 % - 40°C	390 A
Max wire spool diameter	300 mm / 20 Kg
Wire feed speed	0 - 18 m / min
Weldable Fe, SS wire	0.8 ... 1.6 mm
Weldable cored wire	0.8 ... 1.6 mm
Weldable Al	1.0 ... 1.6 mm
Operating voltage	24 V DC
Dimension (L x W x H)	480 x 200 x 280 mm
Weight	9 kg



Item Code	Item Name	MoQ
102.07.001.1	XiM 350 - Mig Mag Air Cooled Package	1 Set
102.07.001.2	XiM 350 - Mig Mag Air Cooled Package for Alu	1 Set
102.07.001.3	XiM 350 - Mig Mag Water Cooled Package	1 Set
102.07.001.4	XiM 350 - Mig Mag Water Cooled Package for Alu	1 Set
	<ul style="list-style-type: none"> <li>• Wire feeder XF 10</li> <li>• Control cable at 3 m</li> <li>• Hose at 3 m</li> <li>• Welding cable size 50 mm</li> </ul>	

Item Code	Item Name	MoQ	102.07.001.1	102.07.001.2	102.07.001.3	102.07.001.4
<b>Standard Accessories</b>						
102.07.001	Mig Mag Inverter - XiM 350	1 Unit	•	•	•	•
202.07.001	Interpass Cable size 50 mm <sup>2</sup> at 3 m - Water Cooled - XiM 350	1 Set			•	•
202.12.004	Lug to Ground Clamp 600 A, size 50 mm <sup>2</sup> at 3 m	1 Set	•	•	•	•
205.03.002	General - Feed Roll - Aluminum Ø 1.2 & 1.6 mm	1 Pc		•		•
201.23.001	Argon Gas Regulator	1 Pc		•		•
101.12.003	D 300 - Water Cooler Machine	1 Set			•	•

**Standard Alternative**

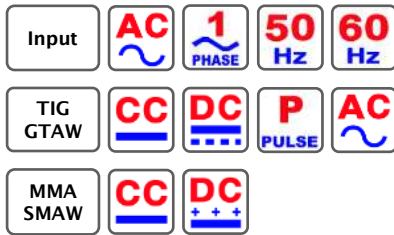
250.02.006.1	Mig Torch - Pro Mig 36 at 3 m long	1 Set	•	•		
250.02.007.1	Mig Torch - Pro Mig 36 at 4 m long	1 Set	•	•		
250.02.008.1	Mig Torch - Pro Mig 36 at 5 m long	1 Set	•	•		
250.02.009.1	Mig Torch - Pro Mig 500 at 3 m long	1 Set			•	•
250.02.010.1	Mig Torch - Pro Mig 500 at 4 m long	1 Set			•	•
250.16.006.1	Teflon Liner - Red Ø 1.0 - 1.2 mm at 5 m	1 Set		•		•
250.16.009.1	Teflon Liner - Yellow Ø 1.4 - 1.6 mm at 5 m	1 Set		•		•
201.23.003	CO2 Heater 220V Gas Regulator	1 Pcs	•		•	
201.23.004	CO2 Fin Type Gas Regulator	1 Pcs	•		•	

**Optional Accessories GMAW / Mig Mag**

202.06.002	Interpass Cable size 50 mm <sup>2</sup> at 10 m - Air Cooled - XiM 350	1 Set	•	•		
202.06.003	Interpass Cable size 50 mm <sup>2</sup> at 15 m - Air Cooled - XiM 350	1 Set	•	•		
202.06.004	Interpass Cable size 70 mm <sup>2</sup> at 20 m - Air Cooled - XiM 350	1 Set	•	•		
202.07.002	Interpass Cable size 50 mm <sup>2</sup> at 10 m - Water Cooled - XiM 350	1 Set			•	•
202.07.003	Interpass Cable size 50 mm <sup>2</sup> at 15 m - Water Cooled - XiM 350	1 Set			•	•
202.07.004	Interpass Cable size 70 mm <sup>2</sup> at 20 m - Water Cooled - XiM 350	1 Set			•	•

**General Accessories**

201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•	•	•
215.01.002.1	Metallotion Protec CE 15 L at 20 ltr Package	1 Liter	•	•	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•	•	•
336.01.002	Antispatter Paste - Paste Welding 300ml - Siliconi	1 Can	•	•	•	•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•	•	•



## TIG DC Pulse Inverter T 201 P DC



### Main Applications

- Installation and outfitting
- Repair and maintenance
- Chemical and process industry
- Mechanical and electrical
- Stainless Steel Fabricator

### Advantageous

- Superb TIG welding machine with high performance and light weight
- Dual functions for TIG / MMA and easy to operate
- TIG : TIG HF - DC welding with digital controller
- TIG : Pulse frequency at 2 Hz and 200 Hz
- TIG : Down slope time 0 - 5 s
- TIG : Post flow time 0 - 15 s
- TIG : 2T / 4T / Spot function
- MMA : Automatic Arc Force in MMA, reduce spatter
- MMA : Automatic Hot Start and Anti Stick functions

TIG	T 201 P - DC
Welding range	10 - 200 A
Tungsten range	1.6 - 3.2 mm
Material thickness	1 - 5 mm
Load voltage	10.4 - 18.0 V
Open circuit voltage	65 V
Current at 60 % ( 40°C )	153 A
Current at 100 % ( 40°C )	118 A

MMA	T 201 P - DC
Welding range	10 - 180 A
Electrode range	1.6 - 4.0 mm
Material thickness	1 - 10 mm
Load voltage	20.4 - 25.0 V
Open circuit voltage	65 V
Current at 60 % ( 40°C )	137 A
Current at 100 % ( 40°C )	106 A

Specifications	T 201 P - DC
Input power at max. Current	6.0 KVA
Input current at 100 %	27.5 A
Input phase	1 Phase
Main voltage, Tolerance	220 V, ± 10 %
Frequency	50 / 60 Hz
Power factor	0.7
Efficiency	0.85
Index protection	IP 21 S
Insulation class	F
Cooling	F
Dimensions ( L x W x H )	365 x 135 x 277 mm
Weight	6.125 Kg

Item Code	Item Name	MoQ
101.07.003.1	T 201 P - DC, TIG Air Cooled Package	1 Set
101.07.003.2	T 201 P - DC, TIG Water Cooled Package	1 Set

- Control plug 5 pin - 1 pcs
- Gas in connector - 1 pcs
- Gas out connector - 1 pcs
- Ground + cable at 3 m - 1 set

101.07.003.1  
101.07.003.2

Item Code	Item Name	MoQ		
<b>Standard Accessories</b>				
101.07.003	TIG DC Pulse Inverter - T 201 P DC	1 Unit	•	•
201.11.003	Plug to Ground Clamp 300 A, 35 mm <sup>2</sup> at 3 m - Inverter	1 Set	•	•
201.12.001	Regulator Gas Hose - Blue at 1.5 m	1 Set	•	•
201.23.001	Argon Gas Regulator	1 Pcs	•	•
101.12.003	D 300 - Water Cooler Machine	1 Set		•
208.11.001	Water Cooled Hose Package - Blue & Red at 1 m	1 Set		•

**Standard Alternative**

203.16.007	Tig Torch - SINTIG 17 at 4 m	1 Set	•	
203.16.009	Tig Torch - SINTIG 17 at 8 m	1 Set	•	
203.16.010	Tig Torch - SINTIG 26 at 4 m	1 Set	•	
203.16.012	Tig Torch - SINTIG 26 at 8 m	1 Set	•	
203.16.015	Tig Torch - SINTIG 9 at 4 m	1 Set	•	
203.16.017	Tig Torch - Water Cooled - SINTIG 20 at 4 m	1 Set		•
203.16.013	Tig Torch - Water Cooled - SINTIG 18 at 4 m	1 Set		•
203.16.014	Tig Torch - Water Cooled - SINTIG 18 at 8 m	1 Set		•
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs	•	•

**Optional Accessories for SMAW / MMA**

208.03.009	Plug to Electrode Holder 400 A, 35 mm <sup>2</sup> at 5 m	1 Set	•	•
208.03.010	Plug to Electrode Holder 400 A, 35 mm <sup>2</sup> at 10 m	1 Set	•	•

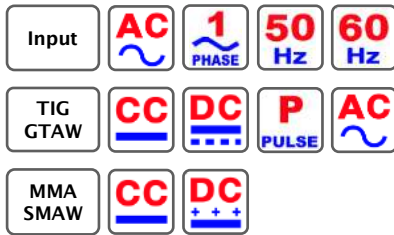
**General Accessories**

137.01.001	Tungsten Grinder - 240V-50/60HZ - Neutrix	1 Unit	•	•
208.18.001	Torch Holder - TIG	1 Pcs	•	•



Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
Copper	4.0	2.4	140 - 180	7
	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6





## TIG AC/DC IGBT Inverter T 201 P AC DC



### Main Applications

- Installation and outfitting
- Repair and maintenance
- Chemical and process industry
- Mechanical and electrical
- Stainless Steel Fabricator

### Advantageous

- Superb TIG welding machine with high performance and light weight
- Dual functions for TIG / MMA and easy to operate
- TIG : TIG HF - DC welding with digital controller
- TIG : Pulse frequency at 2 Hz and 200 Hz
- TIG : Down slope time 0 - 5 s
- TIG : Post flow time 0 - 15 s
- TIG : 2T / 4T / Spot function
- MMA : Automatic Arc Force in MMA, reduce spatter
- MMA : Automatic Hot Start and Anti Stick functions

TIG	T 201 P - AC/DC
Welding range	5 - 200 A
Tungsten range	1.6 - 3.2 mm
Material thickness	1 - 5 mm
Load voltage	10.4 - 18.0 V
Open circuit voltage	56 V
Current at 60 % ( 40°C )	129 A
Current at 100 % ( 40°C )	100 A

MMA	T 201 P - AC/DC
Welding range	10 - 160 A
Electrode range	1.6 - 4.0 mm
Material thickness	1 - 8 mm
Load voltage	20.4 - 26.4 V
Open circuit voltage	56 V
Current at 60 % ( 40°C )	114 A
Current at 100 % ( 40°C )	88 A

Specifications	T 201 P - AC/DC
Input power at max. Current	6.6 KVA
Input current at 100 %	30 A
Input phase	1 Phase
Main voltage, Tolerance	220 V, ± 10 %
Frequency	50 / 60 Hz
Power factor	0.7
Efficiency	0.85
Index protection	IP 21 S
Insulation class	F
Cooling	F
Dimensions ( L x W x H )	502 x 217 x 381 mm
Weight	9 Kg

Item Code	Item Name	MoQ
101.17.001.1	T 201 P AC/DC - TIG AC/DC Air Cooled Package	1 Set
101.17.001.2	T 201 P AC/DC - TIG AC/DC Water Cooled Package	1 Set
	<ul style="list-style-type: none"> <li>Control plug 5 pin - 1 pcs</li> <li>Gas in connector - 1 pcs</li> <li>Gas out connector - 1 pc</li> <li>Plug to ground clamp - 1 set</li> </ul>	

 101.17.001.1  
 101.17.001.2

Item Code	Item Name	MoQ
<b>Standard Accessories</b>		
101.17.001	TIG AC/DC Pulse Inverter - T 201 P AC/DC	1 Unit
201.11.003	Plug to Ground Clamp 300 A, 35 mm <sup>2</sup> at 3 m - Inverter	1 Set
201.12.001	Regulator Gas Hose - Blue at 1.5 m	1 Set
201.23.001	Argon Gas Regulator	1 Set
101.12.003	D 300 - Water Cooler Machine	1 Set
208.11.001	Water Cooled Hose Package - Blue & Red at 1 m	1 Set

**Standard Alternative**

203.16.007	Tig Torch - SINTIG 17 at 4 m	1 Set	•	•
203.16.009	Tig Torch - SINTIG 17 at 8 m	1 Set	•	•
203.16.010	Tig Torch - SINTIG 26 at 4 m	1 Set	•	•
203.16.012	Tig Torch - SINTIG 26 at 8 m	1 Set	•	•
203.16.015	Tig Torch - SINTIG 9 at 4 m	1 Set	•	•
203.16.017	Tig Torch - Water Cooled - SINTIG 20 at 4 m	1 Set	•	•
203.16.013	Tig Torch - Water Cooled - SINTIG 18 at 4 m	1 Set	•	•
203.16.014	Tig Torch - Water Cooled - SINTIG 18 at 8 m	1 Set	•	•
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs	•	•

**Optional Accessories for SMAW / MMA**

208.03.009	Plug to Electrode Holder 400 A, 35 mm <sup>2</sup> at 5 m	1 Set	•	•
208.03.010	Plug to Electrode Holder 400 A, 35 mm <sup>2</sup> at 10 m	1 Set	•	•

**General Accessories**

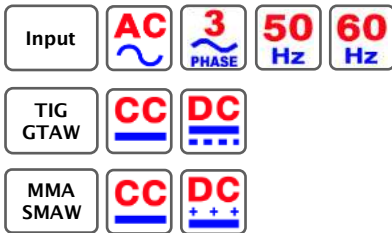
137.01.001	Tungsten Grinder - 240V-50/60HZ - Neutrix	1 Unit	•	•
208.18.001	Torch Holder - TIG	1 Pcs	•	•



Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
	4.0	2.4	140 - 180	7
Copper	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6



## TIG DC IGBT Inverter



T 300 h

T 350 h

### Main Applications

- Installations and outfitting
- Pipe welding
- Repair and maintenance
- Steel fabricator
- Chemical and process industry
- Heavy industries
- Mechanical and electrical

### Advantageous

- TIG DC with HF and 2T & 4T functions
- Selector switch for Tig welding with Lift Arc ignition
- Adjustable down slope 0 ~ 5 s and post flow time 0 ~ 5 s
- Full 100% duty cycle
- VA digital display for accuracy setting
- Dual functions, TIG HF and MMA with IGBT Inverter technology
- Useable at generator supply
- Constructed to be used on work sites and extreme conditions
- Adjustable Hot Start and Anti Stick functions
- Adjustable Arc Force function to reduce spatter
- Minimum amount of spatters
- Exceptional ignition and excellent arc welding characteristics
- Arc length selection for easy root pass or overhead welding
- Lightweight and portable

TIG	T 300 h	T 350 h
Tungsten range	1.6 - 4.0 mm	1.6 - 4.0 mm
Material thickness	1 - 8 mm	1 - 10 mm

MMA	T 300 h	T 350 h
Electrode range	1.6 - 6.0 mm	1.6 - 7.0 mm
Material thickness	1 - 14 mm	1 - 16 mm

Specifications	T 300 h	T 350 h
Welding range	10 - 300 A	10 - 350 A
Load voltage	20.4 - 30.0 V	20.4 - 32.0 V
Open circuit voltage	78 V	78 V
Current at 100 % ( 40°C )	300 A	350 A
Input power at 100 %	11.0 KVA	14.6 KVA
Input current at 100 %	13.0 A	17.2 A
Input phase	3 Phase	3 Phase
Main voltage, Tolerance	380 V, ± 10 %	380 V, ± 10 %
Frequency	50 / 60 Hz	50 / 60 Hz
Power factor	0.98	0.98
Index protection	IP 23	IP 23
Insulation class	F	F
Cooling	F	F
Dimensions ( L x W x H )	545 x 305 x 555 mm	545 x 305 x 555 mm
Weight	45 Kg	47 Kg

Item Code	Item Name	MoQ
101.14.001.1	T 300 h - TIG Inverter Air Cooled Package	1 Set
101.14.001.2	T 300 h - TIG Inverter Water Cooled Package	1 Set
101.14.002.1	T 350 h - TIG Inverter Air Cooled Package	1 Set
101.14.002.2	T 350 h - TIG Inverter Water Cooled Package	1 Set

101.14.001.1	101.14.001.2	101.14.002.1	101.14.002.2
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Item Code	Item Name	MoQ	101.14.001.1	101.14.001.2	101.14.002.1	101.14.002.2
<b>Standard Accessories</b>						
101.14.001	TIG DC IGBT Inverter - T 300 h	1 Unit	•	•		
101.14.002	TIG DC IGBT Inverter - T 350 h	1 Unit			•	•
201.11.012	Cable Power 4 x 2.5 mm	1 Set	•	•	•	•
201.11.013	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 5 m - Hd series	1 Set	•	•	•	•
201.23.001	Argon Gas Regulator	1 Pcs	•	•	•	•
201.26.007	Kit - S 250/300 hd	1 Set	•	•	•	•
208.12.001	Regulator Gas Hose - Blue at 1.5 m	1 Set	•	•	•	•
101.12.003	D 300 - Water Cooler Machine	1 Set		•		•
208.11.001	Water Cooled Hose Package - Blue & Red at 1 m	1 Set		•		•

**Standard Alternative**

203.16.010	Tig Torch - SINTIG 26 at 4 m	1 Set	•		•	
203.16.012	Tig Torch - SINTIG 26 at 8 m	1 Set	•		•	
203.16.007	Tig Torch - SINTIG 17 at 4 m	1 Set	•		•	
203.16.009	Tig Torch - SINTIG 17 at 8 m	1 Set	•		•	
203.16.015	Tig Torch - SINTIG 9 at 4 m	1 Set	•		•	
203.16.017	Tig Torch SINTIG 20 at 4 m	1 Set		•		•
203.16.013	Tig Torch SINTIG 18 at 4 m	1 Set		•		•
203.16.014	Tig Torch SINTIG 18 at 8 m	1 Set		•		•
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs	•	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs	•	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs	•	•	•	•

**Optional Accessories for SMAW / MMA**

208.03.005	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 5 m	1 Set	•	•	•	•
208.03.006	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 10 m	1 Set	•	•	•	•
208.03.007	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 20 m	1 Set	•	•	•	•

**General Accessories**

137.01.001	Tungsten Grinder - 240V-50/60HZ - Neutrix	1 Unit	•	•	•	•
208.18.001	Torch Holder - TIG	1 Pcs	•	•	•	•



Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
	4.0	2.4	140 - 180	7
Copper	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6



## MasterTig 4000 MLS TIG Water Cooled



MasterTig 4000 MLS - Water Cooled

### Main Applications

- Installation and setup
- Repair and maintenance
- Shipbuilding and offshore
- Chemical and process industry
- Piping and pressure vessel tank

### Advantageous

- Compact and sturdy TIG welding inverters. They are suitable for TIG and MMA welding using DC current
- MasterTig MLS 4000 is more powerful 3 phase current device models, modern design techniques and materials are used in structure, electronics and electro mechanics, delivering a stylish and refined package
- Synergic pulse and Long pulse function increases the welding speed and quality of the welds
- Sturdy structure ensures durability even in a demanding outdoor environment
- Suitable for generator use

### Specifications

#### TIG load capacity at 40°C

TIG welding range	5 A / 10.0 V ... 400 A / 26.0 V
At 30 % duty cycle	400 A / 26.0 V
At 60 % duty cycle	320 A / 22.8 V
At 100 % duty cycle	270 A / 20.8 V
Rated power at max. current	13.8 KVA
Tungsten range	1.6 - 4.0 mm

#### MMA load capacity at 40°C

MMA welding range	10 A / 20.5 V ... 350 A / 34.0 V
At 40 % duty cycle	350 A / 34.0 V
At 60 % duty cycle	285 A / 31.4 V
At 100 % duty cycle	220 A / 28.8 V
Rated power at max. current	15 KVA
Electrode range	Ø 1.5 ... 6.0 mm
Open circuit voltage, max.	80 V DC
Welding current adjustment	Stepless
Input phase	3 Phase
Main voltage, Tolerance	400 V, -15 % ... +20 %
Connection cable / fuse	4 x 2.5 mm <sup>2</sup> - 5.0 m / 16 A
Efficiency at max. current	0.86
Power factor	0.95
Index protection	IP 23 C
Dimensions ( L x W x H )	500 x 180 x 390 mm
Weight	23 Kg

Item Code	Item Name	MoQ
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102.10.005.2	MasterTig 4000 MLS - TIG Water Cooled Package	1 Set
	<ul style="list-style-type: none"> <li>• TIG DC IGBT inverter - MTZ panel</li> <li>• Gas hose with coupler</li> </ul>	





Item Code	Item Name	MoQ
<b>Standard Accessories</b>		
102.10.005	TIG DC IGBT Inverter - MasterTIG 4000 MLS	1 Unit
202.12.003	Plug to Ground Clamp 600 A, size 50 mm <sup>2</sup> at 3 m	1 Set
202.18.001	Connection Kit Master TIG MLS	1 Set
208.06.003	Lug to Socket, 50 mm <sup>2</sup> , 0.25 m	1 Set
201.23.001	Argon Gas Regulator	1 Pcs
102.10.007	TIG DC IGBT Inverter - Master Cool 10	1 Unit
503.01.028	Quick Connector Water	1 Set

**Standard Alternative**

203.16.013	Tig Torch - SINTIG 18 at 4 m	1 Set
203.16.014	Tig Torch - SINTIG 18 at 8 m	1 Set
203.16.017	Tig Torch - SINTIG 20 at 4 m	1 Set
201.22.009	Welding Helmet - Solarmatic Blue	1 Pc
201.22.010	Welding Helmet - Solarmatic Red	1 Pc
201.22.011	Welding Helmet - Solarmatic Green	1 Pc

**Optional Accessories for SMAW / MMA**

208.03.005	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 5 m	1 Set
208.03.006	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 10 m	1 Set

**General Accessories**

208.19.001	Torch Holder - TIG	1 Pcs
137.01.001	Tungsten Grinder - 240V-50/60HZ - Neutrix	1 Unit
202.19.004	Transport unit - MT130 for Master Tig MLS	1 Unit



Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
	4.0	2.4	140 - 180	7
Copper	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6



## TIG DC Thyristor KAX 402



### Main Applications

- Steel fabrication
- Metal tanks
- Shipyards
- Sheet metal

### Advantageous

- KAX 402 is a three phase power source with Thyristor control, suitable for MMA, TIG welding and Air Carbon Arc Gouging processes in direct current for superb welding operations
- Welding current is adjusted by electrical control to assure excellent stable arc for high quality welds
- The forced air cooling system and thermal overload protection strengthen the quality and the robustness of the machine
- HF / Lift Start is designed to initialize the arc in TIG welding process
- Built for versatile and efficiency to meet the requirement of today's medium and heavy industries applications
- Adjustable Hot Start and Arc Force functions for MMA reduce spatter
- Anti Stick Function

### TIG HF

Tungsten range	1.0 - 4.0 mm
Material thickness	1 - 15 mm

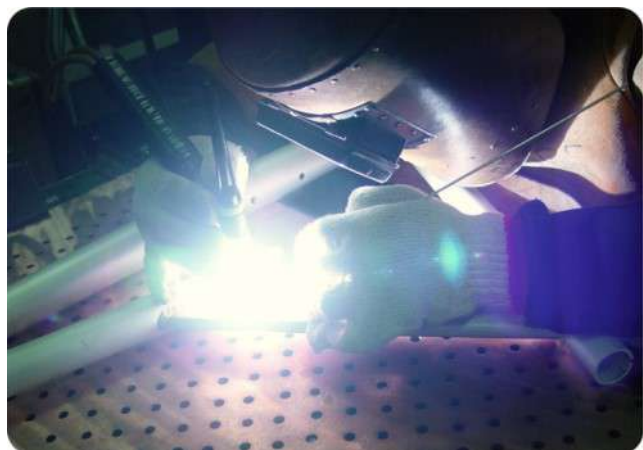
### MMA

Electrode range	1.6 - 8.0 mm
Material thickness	1 - 20 mm

### Specifications

Welding range	15 - 420 A
Open circuit voltage	80 V
Current at 60 % ( 40°C )	420 A
Input power at 60 %	32.3 KVA
Input phase	3 Phase
Main voltage, Tolerance	380 V, ± 10 %
Power factor	0.72
Index protection	IP 23
Insulation class	H
Cooling	F
Dimensions ( L x W x H )	680 x 515 x 670 mm
Weight	162 Kg

Item Code	Item Name	MoQ
101.08.002.1	KAX 402 - TIG Air Cooled Package	1 Set
101.08.002.2	KAX 402 - TIG Water Cooled Package	1 Set



Item Code	Item Name	MoQ		
<b>Standard Accessories</b>				
101.08.002	TIG DC Thyristor - KAX 402	1 Unit	•	•
201.11.010	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 3 m - KA Series	1 Set	•	•
201.26.005	Kit - KAX 402	1 Set	•	•
208.12.001	Regulator Gas Hose - Blue at 1.5 m	1 Set	•	•
201.23.001	Argon Gas Regulator	1 Pcs	•	•
101.12.001.1	D 250 - Water Cooler Machine Package	1 Set		•
208.11.001	Water Cooled Hose Package - Blue & Red at 1 m	1 Set		•

**Standard Alternative**

203.16.007	Tig Torch - SINTIG 17 at 4 m	1 Set	•	
203.16.009	Tig Torch - SINTIG 17 at 8 m	1 Set	•	
203.16.010	Tig Torch - SINTIG 26 at 4 m	1 Set	•	
203.16.012	Tig Torch - SINTIG 26 at 8 m	1 Set	•	
203.16.015	Tig Torch - SINTIG 9 at 4 m	1 Set	•	
203.16.017	Tig Torch - Water Cooled - SINTIG 20 at 4 m	1 Set		•
203.16.013	Tig Torch - Water Cooled - SINTIG 18 at 4 m	1 Set		•
203.16.014	Tig Torch - Water Cooled - SINTIG 18 at 8 m	1 Set		•
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs	•	•

**Optional Accessories for SMAW / MMA**

208.03.005	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 5 m	1 Set	•	•
208.03.006	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 10 m	1 Set	•	•
208.03.007	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 20 m	1 Set	•	•
208.03.008	Plug to Electrode Holder 400 A, 50 mm <sup>2</sup> at 25 m	1 Set	•	•
208.04.007	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 5 m	1 Set	•	•
208.04.008	Plug to Ground Clamp 600 A, 50 mm <sup>2</sup> at 10 m	1 Set	•	•

**Optional Accessories for Gouging**

201.27.003	Gouging Torch G4 - 1000 A - 2.1 m / 7 feet	1 Set	•	•
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**General Accessories**

137.01.001	Tungsten Grinder - 240V-50/60HZ - Neutrix	1 Unit	•	•
208.18.001	Torch Holder - TIG	1 Pcs	•	•



Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
	4.0	2.4	140 - 180	7
Copper	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6



# Portable Spot Welding HSP 45 - 1 Phase



### Main applications

- Automotive
- Car body repair
- Caroserie
- Industrial process
- Panel industrial
- Thin sheet metal

### Advantageous

- Stepless adjustment on spot welding current by electronic control ( Thyristor control )
- Spot welding current adjustment from 20 to 100%
- Spot welding time adjustment from 1 to 100 cycles
- Adjustable electrode pressure by Set Spring mechanically
- Easy mechanism to hold and press on work piece
- More convenient grip by additional handle on the front body
- Suitable for steel, galvanized steel and stainless steel

Specifications	HSP 45
Mechanism	Spring
Input Voltage	1 Phase
Main Voltage, Tolerance	220 V AC, ± 10 %
Frequency	50 Hz
Max. input power	8.8 KVA
Rated input power at 50% duty cycle	2.5 KVA
Delayed Fuse	20 A
Input Cable	4 mm <sup>2</sup>
No Load Voltage	1.6 V
Max. Current Arms L = 100 mm	4.5 kA
Thermal Current 100%	1.7 kA
Current Adjustment	20 - 100 %
Weld Time	1 - 100 Cycle
Max. material thickness on steel	2 + 2 mm
Weight	11.5 Kg
Dimension ( L x W x H )	10.2 x 38.8 x 23 cm

Item Code	Item Name	MoQ
106.03.002	Portable Spot Welding - HSP 45 - 1 Phase	1 unit

Item Code	Item Name	MoQ
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### Optional Accessories

206.02.001	Electrode for Portable Spot Welding	1 set
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Control panel





## Pneumatic Spot Welding ASP 9000 - 2 Phase



### Main applications

- Automotive
- Industrial process
- Car body repair
- Panel industrial
- Caroserie
- Thin sheet metal

### Advantageous

- Stepless adjustment on spot welding current by electronic control ( Thyristor Control )
- Adjustable electrode pressure by pneumatic with compressed air control
- Spot welding current adjustment from 20 to 100%
- Suitable for steel, galvanized steel and stainless steel
- Spot welding time adjustment from 1 to 100 cycles
- All models require water cooling for electrodes and arms

### Specifications

Mechanism	Pneumatic
Input phase	2 Phase
Main voltage, Tolerance	380 V, ± 10 %
Frequency	50 Hz
Max. input power	22 KVA
Rated input power at 50% duty cycle	15 KVA
Open circuit voltage	2.6 V
Normal arm projection	350 mm
Highest pressure of electrodes	150 Kg
Max. material thickness on Steel	3 + 3 mm
Weight	108 Kg
Dimension (L x W x H)	765 x 338 x 1245 mm



Item Code	Item Name	MoQ
106.03.001.1	Pneumatic Spot Welding - ASP-9000 with Water Cooler Package	1 Set

### Standard Accessories

101.12.003	D 300 Water Cooler Machine	1 Unit
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### Optional Accessories

206.01.001	Electrode for Spot Welding	2 pcs
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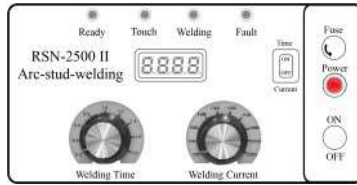




## Drawn Arc Stud Welding - RSN 2500 II

Input **AC** **3** PHASE **50** Hz **60** Hz

Stud Welding **CC** **DC**



Panel - RSN 2500 II



### Main Applications

- For Steel, Alu, SS, Copper, etc
- Metal Fabricator
- Car Manufacturing
- Process industry
- Train & Road Construction
- Mechanical and electrical
- Industrial Building Construction
- Bridges

### Advantageous

- RSN 2500 II is Inverter Arc Stud Welding has advantages of Power Supply which other stud welder can't replace.
- Compact design and minimal weight, ideally use in workshop, site environment, etc
- IGBT Inverter Technology for more durability compared with previous generation
- High efficiency & energy saving
- Digital display of charging voltage & indication function.

Specifications	RSN 2500 II
Input phase	3 Phase
Main voltage, Tolerance	380 V, ± 15 %
Welding range	200 - 2500 A
Welding Time	0 - 3 second
Stud Range	10 - 25 mm
Duty Cycle ( Qty per menit / dia. )	3 pcs / dia. 25 mm 6 pcs / dia. 22 mm 10 pcs / dia. 19 mm
Protection Type	Ceramic Ferrule
Index protection	IP 21 S
Insulation class	F
Cooling	F
Dimensions ( L x W x H )	780 x 380 x 860 mm
Weight	100 Kg

Item Code	Item Name	MoQ
138.01.001	Drawn Arc Stud Welding RSN 2500 II	1 Set
	• Plug to Ground Clamp at 5 m	1 set
	• Stud Welding Gun - JD 25 I	1 set
	• Power Cable 3 x 25 mm <sup>2</sup> at 5 m	1 set
	• Screwdriver + tools kit	1 set

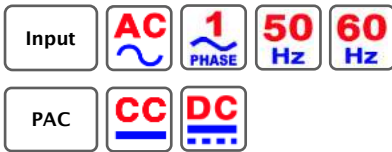


Stud Welding Gun - JD 25 I

### Free Package :

- Kit acc. for M16 - 1 set
- Kit acc. for M19 - 1 set
- Kit acc. for M22 - 1 set
- Kit acc. for M25 - 1 set





## Plasma Cutting Rectifier AP 40



### Suitable for

- Mild steel
- Stainless steel
- Aluminum
- Brass, Silver, Copper
- Zirconium alloy steel, etc

### Advantageous

- The latest Japanese rectifier for stable arc
- Sharp and fine cutting without dross
- Stable cutting capacity
- HF Ignition
- 1 Cutting steps, 40 A for AP 40
- Thermal overload protection
- Economic due to cutting with air

Specifications	AP 40
<b>Quality cutting capacity</b>	
Steel	10 mm
Stainless steel	8 mm
Aluminum	8 mm
<b>Max. cutting capacity</b>	
Steel	12 mm
Stainless steel	10 mm
Aluminum	10 mm
Ignition	High frequency
Cutting current	40 A
Duty cycle	40 %
Rated input power	7.26 KVA
Open circuit voltage	250 V
Rated load voltage	115 V
Input voltage, Tolerance	220 V, ± 10 %
Input phase	1 Phase
Frequency	50 / 60 Hz
Index protection	IP 21
Insulation class	H
Cooling	Air
Air pressure	5 Bar
Air flow	155 l/min
Torch cooling	Air
Weight	70 Kg
Dimensions ( L x W x H )	510 x 325 x 655 mm

Item Code	Item Name	MoQ
101.09.001.1	Plasma Cutting AP 40 Package • Air regulator - 1 set	1 Set

### Standard Accessories

101.09.001	Plasma Cutting Rectifier - AP 40	1 Unit
203.35.001	Plasma Cutting Torch - Ergocut CB50 - 6m - 1/4G	1 Set
201.26.001	Kit - Mini TIG / AP	1 Set
201.11.008	Lug to Ground Clamp 300 A, 35 mm <sup>2</sup> at 3 m	1 Set

### Optional Accessories

203.35.002	Carriage - Ergocut CB50	1 Pcs
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### General Accessories

201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs



Plasma Cutting Torch CB50 for AP 40  
Note : See in Product Catalog D



## Plasma Cutting Rectifier AP 70



### Suitable for

- Mild steel
- Stainless steel
- Aluminum
- Brass, Silver, Copper
- Zirconium alloy steel, etc

### Advantageous

- Sharp and fine cutting without dross
- Stable cutting capacity
- HF Ignition
- 3 Cutting steps, 35 - 50 - 70 A for AP 70
- Thermal overload protection
- Economic due to cutting with air

Specifications	AP 70
<b>Quality cutting capacity</b>	
Steel	20 mm
Stainless steel	18 mm
Aluminum	18 mm
<b>Max. cutting capacity</b>	
Steel	25 mm
Stainless steel	22 mm
Aluminum	22 mm
Ignition	High frequency
Cutting current	35 - 50 - 70 A
Duty cycle	60 %
Rated input power	16.4 KVA
Open circuit voltage	250 V
Rated load voltage	115 V
Input voltage, Tolerance	380 V, ± 10 %
Input phase	3 Phase
Frequency	50 / 60 Hz
Index protection	IP 21
Insulation class	H
Cooling	Air
Air pressure	5 Bar
Air flow	180 l/min
Torch cooling	Air
Weight	96 Kg
Dimensions ( L x W x H )	570 x 385 x 795 mm

Item Code	Item Name	MoQ
<b>Standard Accessories</b>		
101.09.002	Plasma Cutting Rectifier - AP 70	1 Unit
203.36.001	Plasma Cutting Torch - Ergocut A81 - 6m - 1/4G	1 Set
201.26.001	Kit - Mini TIG / AP	1 Set
201.11.008	Lug to Ground Clamp 300 A,35 mm <sup>2</sup> at 3 m	1 Set
<b>Optional Accessories</b>		
203.36.017	Carriage - Ergocut A81	1 Pcs
<b>General Accessories</b>		
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs

Item Code	Item Name	MoQ
101.09.002.1	Plasma Cutting AP 70 Package	1 Set
	• Air regulator - 1 set	



**Plasma Cutting Torch A81 for AP 70**  
Note : See in Product Catalog D



## Plasma Cutting Rectifier AP 120



### Suitable for

- Mild steel
- Stainless steel
- Aluminum
- Brass, Silver, Copper
- Zirconium alloy steel, etc

### Advantageous

- Sharp and fine cutting without dross
- Stable cutting capacity
- HF Ignition
- 4 Cutting steps, 30 - 60 - 90 - 120 A for AP 120
- Thermal overload protection
- Economic due to cutting with air

Specifications	AP 120
<b>Quality cutting capacity</b>	
Steel	35 mm
Stainless steel	28 mm
Aluminum	28 mm
<b>Max. cutting capacity</b>	
Steel	45 mm
Stainless steel	36 mm
Aluminum	36 mm
Ignition	High frequency
Cutting current	30 - 60 - 90 - 120 A
Duty cycle	60 %
Rated input power	30.0 KVA
Open circuit voltage	300 V
Rated load voltage	120 V
Input voltage, Tolerance	380 V, ± 10 %
Input phase	3 Phase
Frequency	50 / 60 Hz
Index protection	IP 21
Insulation class	H
Cooling	Air
Air pressure	5 Bar
Air flow	210 l/min
Torch cooling	Air
Weight	183 Kg
Dimensions ( L x W x H )	786.7 x 452.4 x 885 mm

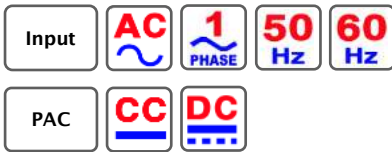
Item Code	Item Name	MoQ
<b>Standard Accessories</b>		
101.09.003	Plasma Cutting Rectifier - AP 120	1 Unit
203.37.001	Plasma Cutting Torch - Ergocut A151 - 6m - 1/4G	1 Set
201.26.001	Kit - Mini TIG / AP	1 Set
201.11.008	Lug to Ground Clamp 300 A,35 mm2 at 3 m	1 Set
<b>Optional Accessories</b>		
203.37.018	Carriage - Ergocut A151	1 Pcs
<b>General Accessories</b>		
201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs

Item Code	Item Name	MoQ
101.09.003.1	Plasma Cutting AP 120 Package	1 Set
	• Air regulator - 1 set	



A151

Plasma Cutting Torch A151 for AP 120  
Note : See in Product Catalog D



## Plasma Cutting Inverter PC 40 i



PC 40 i

### Suitable for

- Mild steel
- Stainless steel
- Aluminum
- Brass, Silver, Copper
- Zirconium alloy steel, etc

### Advantageous

- Mosfet Inverter technology
- Sharp and fine cutting with no dross
- Stepless and adjustable cutting current
- Cooling for power components by air channel
- Thermal overload protection

Specifications	PC 40 i
Severance cutting	15 mm
Quality cutting	10 mm
Piercing cutting	5 mm
Cutting current	10 - 40 A
Load voltage	96 V
Open circuit voltage	257 V
Duty cycle at 40 % ( 40° C )	40 A
Duty cycle at 100 % ( 40° C )	30 A
Input current at 100 %	18.6 A
Input power at 100 %	6.1 KVA
Input voltage, Tolerance	220 V, ± 10 %
Input phase	1 Phase
Frequency	50 / 60 Hz
Index protection	IP 21
Insulation class	F
System of cooling	F
Air pressure	5 bar
Air flow	165 l/min
Torch cooling	Air
Dimension ( L x W x H )	370 x 150 x 245 mm
Weight	11 Kg

Item Code	Item Name	MoQ
101.10.001.1	Plasma Cutting PC 40 i Package	1 Set
	• Air regulator - 1 set	

### Standard Accessories

101.10.001	Plasma Cutting Inverter - PC 40 i	1 Unit
203.35.001	Plasma Cutting Torch - Ergocut CB50 - 6m - 1/4G	1 Set
201.26.002	Kit - Plasma PC 40 i	1 Set
201.11.003	Plug to Ground Clamp 300 A, 35 mm <sup>2</sup> at 3 m - Inverter	1 Set

### Optional Accessories

203.35.002	Carriage - Ergocut CB50	1 Pcs
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### General Accessories

201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs



Plasma Cutting Torch CB50 for PC 40 i  
Note : See in Product Catalog D





## Plasma Cutting Inverter PC Series



PC 70 i

PC 100 i

PC 130 i

### Suitable for

- Mild steel
- Stainless steel
- Aluminum
- Brass, Silver, Copper
- Zirconium alloy steel, etc

### Advantageous

- IGBT Inverter technology, with HF ignition
- Sharp and fine cutting with no dross
- Stepless and adjustable cutting current
- 2 stroke and 4 stroke cutting mode
- Cooling for power components by air channel
- Thermal overload protection

Specifications	PC 70 i	PC 100 i	PC 130 i
Severance cutting	25 mm	38 mm	50 mm
Quality cutting	20 mm	29 mm	30 mm
Piercing cutting	8 mm	12 mm	17 mm
Cutting current	20 - 70 A	100 A	130 A
Load voltage	88 - 108 V	92 - 120 V	92 - 170 V
Open circuit voltage	320 V	287 V	280 V
Duty cycle at 60 % ( 40° C )	70 A	-	-
Duty cycle at 100 % ( 40° C )	55 A	100 A	130 A
Input current at 100%	12.5 A	19.5 A	36.0 A
Input power at 100 %	12.3 KVA	18.8 KVA	29.6 KVA
Input voltage, Tolerance	380 V, ± 15 %	380 V, ± 15 %	380 V, ± 15 %
Input phase	3 Phase	3 Phase	3 Phase
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Index protection	IP 23	IP 23	IP 23
Insulation class	F	F	F
System of cooling	F	F	F
Air pressure	5 bar	5 bar	5 bar
Air flow	155 l/min	230 l/min	230 l/min
Torch cooling	Air	Air	Air
Dimension ( L x W x H )	550 x 305 x 460 mm	560 x 365 x 490 mm	560 x 365 x 560 mm
Weight	45 Kg	60 Kg	68 Kg

Item Code	Item Name	MoQ
101.10.002.1	Plasma Cutting PC 70 i Package	1 Set
101.10.003.1	Plasma Cutting PC 100 i Package	1 Set
101.10.004.1	Plasma Cutting PC 130 i Package • Air regulator - 1 set	1 Set

101.10.002.1
101.10.003.1
101.10.004.1

**Standard Accessories**

101.10.002	Plasma Cutting Inverter - PC 70 i	1 Unit	•		
101.10.003	Plasma Cutting Inverter - PC 100 i	1 Unit		•	
101.10.004	Plasma Cutting Inverter - PC 130 i	1 Unit			•
203.36.001	Plasma Cutting Torch - Ergocut A81 - 6m - 1/4G	1 Set	•		
203.37.001	Plasma Cutting Torch - Ergocut A151 - 6m - 1/4G	1 Set		•	•
201.11.003	Plug to Ground Clamp 300 A, 35 mm2 at 3 m - Inverter	1 Set	•	•	•
201.26.003	Kit - Plasma PC 70 / 100 / 130 i	1 Set	•	•	•

**Optional Accessories**

203.36.017	Carriage - Ergocut A81	1 Pcs	•		
203.37.018	Carriage - Ergocut A151	1 Pcs		•	•
203.38.001	Ergocut P151 - 6m - 1/4G - Autocut P151	1 Set		•	•

**General Accessories**

201.22.009	Welding Helmet - Solarmatic Blue	1 Pcs	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Pcs	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Pcs	•	•	•



Plasma Cutting Torch A81 for PC 70 i  
 Plasma Cutting Torch A151 for PC 100 i & PC 130 i  
 Note : See in Product Catalog D





## KC 12 Handy - Portable Cutting Torch



**KC 12 Handy**

### Main Applications

- Steel Fabricator
- Metal Contractors
- Shipyard

### Advantageous

- KC 12 Handy has been developed for automation of hand-held cutting used in various field operations
- Additional features include automatic wheel drive running along side cutting tip for wheel rotation to direct the desired cut
- KC 12 Handy is equipped with an auto ignition system that ensures convenience and flexibility
- Multiple surface cutting can be achieved including vertical, angled, H-shaped steel bar and pipes. In addition to straight lines, curved lines and surfaces such as columns are easily done

Specifications	
Cutting thickness	5 - 30 mm
Cutting speed	150 - 530 mm/min
Speed controller	Transistor technology
Driver system	Friction drive
Input phase	1 Phase
Input voltage, Tolerance	220 VAC, ± 10 %
Dimension ( L x W x H )	580 x 150 x 270 mm
Weight	3.5 Kg

Item Code	Item Name	MoQ
<b>101.11.001.1</b>	<b>KC 12 Handy - Portable Cutting Torch Package</b>	<b>1 Set</b>
	<ul style="list-style-type: none"> <li>• Steel carrying case - 1 pcs</li> <li>• Cable connection - 1 set</li> <li>• Support wheel - 1 pcs</li> <li>• Guide handle - 1 pcs</li> <li>• Bevel wheel 22 up to 45 - 1 pcs</li> <li>• Small circle cutting attachment - 1 pcs</li> <li>• Large circle cutting attachment - 1 pcs</li> <li>• Tip cleaner - 1 pcs</li> <li>• Gas cutting nozzle - No. 1, 2, 3 for LPG - 1 pcs</li> </ul>	



**Straight Line Cutting**



**Curved Cutting**

### Standard Accessories

101.11.001	KC 12 Handy - Portable Cutting Torch	1 Unit
201.23.006	Oxygen Gas Regulator	1 Pcs

### Standard Alternative

201.23.008	LPG Gas Regulator	1 Pcs
201.23.007	Acetylene Gas Regulator	1 Pcs

### Optional Accessories

201.25.001	Gas Cutting Nozzle - No. 00 - Acetylene	1 Pcs
201.25.002	Gas Cutting Nozzle - No. 0 - Acetylene	1 Pcs
201.25.003	Gas Cutting Nozzle - No. 1 - Acetylene	1 Pcs
201.25.004	Gas Cutting Nozzle - No. 2 - Acetylene	1 Pcs
201.25.005	Gas Cutting Nozzle - No. 3 - Acetylene	1 Pcs
201.25.006	Gas Cutting Nozzle - No. 4 - Acetylene	1 Pcs
201.25.007	Gas Cutting Nozzle - No. 5 - Acetylene	1 Pcs
201.25.008	Gas Cutting Nozzle - No. 00 - LPG	1 Pcs
201.25.009	Gas Cutting Nozzle - No. 0 - LPG	1 Pcs
201.25.010	Gas Cutting Nozzle - No. 1 - LPG	1 Pcs
201.25.011	Gas Cutting Nozzle - No. 2 - LPG	1 Pcs
201.25.012	Gas Cutting Nozzle - No. 3 - LPG	1 Pcs
201.25.013	Gas Cutting Nozzle - No. 4 - LPG	1 Pcs
201.25.014	Gas Cutting Nozzle - No. 5 - LPG	1 Pcs



## KC 12 Mini - Portable Straight Line



KC 12 Mini

### Main Applications

- Steel Fabricator
- Metal Contractors
- Shipyard

### Advantageous

- Best cutting in straight and curved line by shifting guide wheel
- For the straight and curved line cutting, the point is the distance between the guide wheel and the driving wheel
- On straight line cutting, the longer the distance the better the running stability is, while on curved line cutting, the shorter the distance the better the curve tracing accuracy is
- The thumb operates a power switch and jet oxygen lever
- Herefore, as its unique structure, KC 12 Mini resolves the problem by shifting the guide wheel and succeeds in getting both running stability on straight line cutting and tracing accuracy of curved line cutting
- The grip of KC 12 Mini is a pistol shape and fits the operator's hand well
- A trigger type clutch a speed control dial under the clutch can operated by an index finger

### Specifications

Cutting thickness	5 - 150 mm
Cutting speed	50 - 1.000 mm/min
Circle cutting	50 - 550 mm
Bevel angle	0 to 45°
Speed change	Variable resistor
Input phase	1 Phase
Input voltage, Tolerance	220 VAC, ± 10 %
Dimension ( L x W x H )	420 x 295 x 250 mm
Weight	9 Kg



### Item Code Item Name MoQ

<b>101.11.002.1</b>	<b>KC 12 Mini - Portable Straight Line Package</b>	<b>1 Set</b>
	<ul style="list-style-type: none"> <li>• Cable connection - 1 set</li> <li>• Cutting torch - 1 pcs</li> <li>• Cutting circle device - 1 pcs</li> <li>• Weight balancer - 1 pcs</li> <li>• Screw driver - 1 pcs</li> <li>• Spanner 15 &amp; 20 - 1 pcs</li> <li>• Spanner 17 &amp; 24 - 1 pcs</li> <li>• Tip cleaner - 1 pcs</li> <li>• Gas cutting nozzle - No. 1, 2, 3 for LPG - 1 pcs</li> </ul>	

### Standard Accessories

101.11.002	KC 12 Mini - Portable Straight Line	1 Unit
201.13.001	Rail at 1.8 m - KC 12 Mini	2 Pcs
201.23.006	Oxygen Gas Regulator	1 Pcs

### Standard Alternative

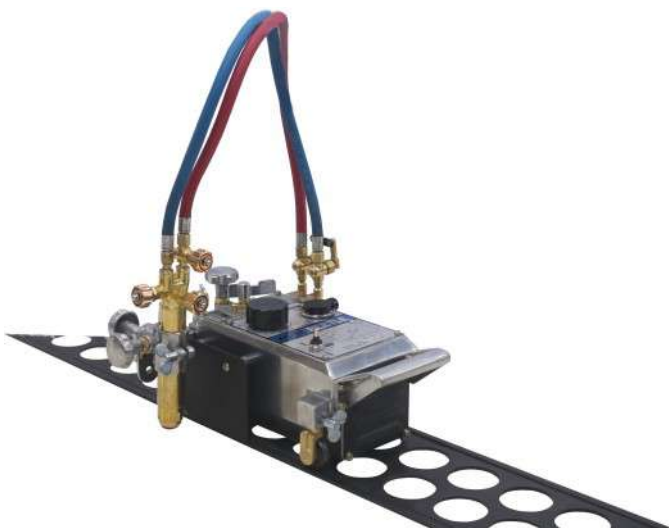
201.23.008	LPG Gas Regulator	1 Pcs
201.23.007	Acetylene Gas Regulator	1 Pcs

### Optional Accessories

201.13.001	Rail at 1.8 m - KC 12 Mini	1 Pcs
201.25.001	Gas Cutting Nozzle - No. 00 - Acetylene	1 Pcs
201.25.002	Gas Cutting Nozzle - No. 0 - Acetylene	1 Pcs
201.25.003	Gas Cutting Nozzle - No. 1 - Acetylene	1 Pcs
201.25.004	Gas Cutting Nozzle - No. 2 - Acetylene	1 Pcs
201.25.005	Gas Cutting Nozzle - No. 3 - Acetylene	1 Pcs
201.25.006	Gas Cutting Nozzle - No. 4 - Acetylene	1 Pcs
201.25.007	Gas Cutting Nozzle - No. 5 - Acetylene	1 Pcs
201.25.008	Gas Cutting Nozzle - No. 00 - LPG	1 Pcs
201.25.009	Gas Cutting Nozzle - No. 0 - LPG	1 Pcs
201.25.010	Gas Cutting Nozzle - No. 1 - LPG	1 Pcs
201.25.011	Gas Cutting Nozzle - No. 2 - LPG	1 Pcs
201.25.012	Gas Cutting Nozzle - No. 3 - LPG	1 Pcs
201.25.013	Gas Cutting Nozzle - No. 4 - LPG	1 Pcs
201.25.014	Gas Cutting Nozzle - No. 5 - LPG	1 Pcs



## KC 12 Beetle - Straight Line 1 Torch



KC 12

### Main Applications

- Steel Fabricator
- Metal Contractors
- Shipyard

### Advantageous

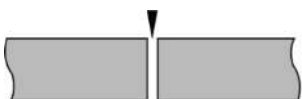
- KC 12 is affordable while providing the highest quality straight line and circle cutting on the market today
- With Iwatani quick valve for quick and easy operation
- Easy operation control for moving forward, stop and backward switch, clutch lever, speed knob
- Use a single cone system for a stable drive unit

### Specifications

Cutting thickness	6 - 100 mm
Cutting speed	150 - 800 mm/min
Bevel angle	0 - 45°
Cutting edge sharp	I and V ( 45° )
Torch	Single
Reduction gear	Single cone system
Motor	1.500 rpm
Input phase	1 Phase
Input voltage, Tolerance	220 VAC, ± 10 %
Dimension ( L x W x H )	350 x 140 x 175 mm
Weight	10 Kg



Cutting edge sharp = V  
0 - 45°



Cutting edge sharp = I



Item Code	Item Name	MoQ
101.11.003.1	<b>KC 12 Beetle - Straight Line 1 Torch Package</b>	<b>1 Set</b>
	• Cable connection - 1 set	
	• Quick valve - 1 pcs	
	• Cutting torch - 1 pcs	
	• Spanner 15 & 20 - 1 pcs	
	• Spanner 17 & 24 - 1 pcs	
	• Tip cleaner - 1 pcs	
	• Gas cutting nozzle - No. 1, 2, 3 for LPG - 1 pcs	

### Standard Accessories

101.11.003	KC 12 Beetle - Straight Line 1 Torch	1 Unit
201.23.006	Oxygen Gas Regulator	1 Pcs
201.19.001	Rail for KC 12 & KC 12 Max 3	2 Pcs

### Standard Alternative

201.23.008	LPG Gas Regulator	1 Pcs
201.23.007	Acetylene Gas Regulator	1 Pcs

### Optional Accessories

201.19.001	Rail for KC 12 & KC 12 Max 3	1 Pcs
201.19.003	Torch KC 12 without Quick Valve	1 Pcs
201.25.001	Gas Cutting Nozzle - No. 00 - Acetylene	1 Pcs
201.25.002	Gas Cutting Nozzle - No. 0 - Acetylene	1 Pcs
201.25.003	Gas Cutting Nozzle - No. 1 - Acetylene	1 Pcs
201.25.004	Gas Cutting Nozzle - No. 2 - Acetylene	1 Pcs
201.25.005	Gas Cutting Nozzle - No. 3 - Acetylene	1 Pcs
201.25.006	Gas Cutting Nozzle - No. 4 - Acetylene	1 Pcs
201.25.007	Gas Cutting Nozzle - No. 5 - Acetylene	1 Pcs
201.25.008	Gas Cutting Nozzle - No. 00 - LPG	1 Pcs
201.25.009	Gas Cutting Nozzle - No. 0 - LPG	1 Pcs
201.25.010	Gas Cutting Nozzle - No. 1 - LPG	1 Pcs
201.25.011	Gas Cutting Nozzle - No. 2 - LPG	1 Pcs
201.25.012	Gas Cutting Nozzle - No. 3 - LPG	1 Pcs
201.25.013	Gas Cutting Nozzle - No. 4 - LPG	1 Pcs
201.25.014	Gas Cutting Nozzle - No. 5 - LPG	1 Pcs





## KC 12 Max 3 - Straight Line 2 Torches



**KC 12 Max 3**

### Main Applications

- Steel Fabricator
- Metal Contractors
- Shipyard

### Advantageous

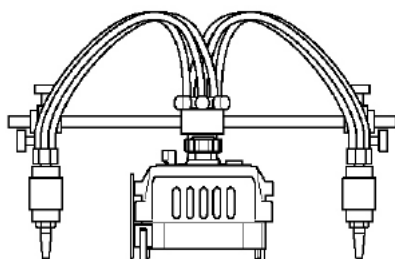
- KC 12 Max 3 is a new generation, innovative machine with a body structure systematized for different types of oxy-fuel / plasma cutting and automatic welding work
- There are three major parts to the system - the advanced motorized carriage, a cutting torch unit and the plate track and accessories
- The heavy duty driving mechanism of KC 12 Max 3 is not affected by intense heat and fluctuating voltage, therefore ensuring steady travel
- A "zero reduction drive system" is also employed within the mechanism to eliminate any knocking from backlash, noise and vibration
- Equipped with Iwatani Quick valve for easy and quick operation and especially repetitive cutting jobs
- The Speed Control utilizes an exclusive Double Cone Stepless Speed System, which functions with a condensor motor rotating at regular speed to prevent heat and voltage problems

### Specifications

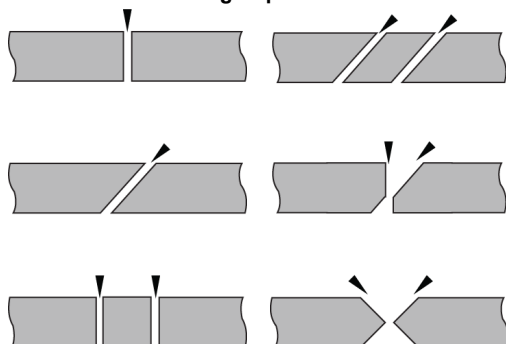
Cutting thickness	5 - 300 mm
Cutting speed	80 - 800 mm/min
Max. load weight	50 Kg
Speed controller	Double cone and stepless system
Motor	Condensor type / 1.500 rpm
Speed meter	Dial indicator
Input phase	1 Phase
Input voltage, Tolerance	220 VAC, ± 10 %
Dimension ( L x W x H )	440 x 205 x 215 mm
Weight	11.0 Kg

### Item Code Item Name MoQ

<b>101.11.004.1</b>	<b>KC 12 Max 3 - Straight Line 2 Torches Package</b>	<b>1 Set</b>
	<ul style="list-style-type: none"> <li>• Cable connection - 1 set</li> <li>• Cutting torch - 2 pcs</li> <li>• Bracket for torches - 2 pcs</li> <li>• Weight balancer - 1 pcs</li> <li>• Quick valve - 1 pcs</li> <li>• Spanner 15 &amp; 20 - 1 pcs</li> <li>• Spanner 17 &amp; 24 - 1 pcs</li> <li>• Tip cleaner - 1 pcs</li> <li>• Gas cutting nozzle - No. 1, 2, 3 for LPG - 1 pcs</li> </ul>	



### Cutting Capabilities



### Standard Accessories

101.11.004	KC 12 Max 3 - Straight Line 2 Torches	1 Unit
201.23.006	Oxygen Gas Regulator	1 Pcs
201.19.001	Rail for KC 12 & KC 12 Max 3	2 Pcs

### Standard Alternative

201.23.008	LPG Gas Regulator	1 Pcs
201.23.007	Acetylene Gas Regulator	1 Pcs

### Optional Accessories

201.19.001	Rail for KC 12 & KC 12 Max 3	1 Pcs
201.25.001	Gas Cutting Nozzle - No. 00 - Acetylene	1 Pcs
201.25.002	Gas Cutting Nozzle - No. 0 - Acetylene	1 Pcs
201.25.003	Gas Cutting Nozzle - No. 1 - Acetylene	1 Pcs
201.25.004	Gas Cutting Nozzle - No. 2 - Acetylene	1 Pcs
201.25.005	Gas Cutting Nozzle - No. 3 - Acetylene	1 Pcs
201.25.008	Gas Cutting Nozzle - No. 00 - LPG	1 Pcs
201.25.009	Gas Cutting Nozzle - No. 0 - LPG	1 Pcs
201.25.010	Gas Cutting Nozzle - No. 1 - LPG	1 Pcs
201.25.011	Gas Cutting Nozzle - No. 2 - LPG	1 Pcs
201.25.012	Gas Cutting Nozzle - No. 3 - LPG	1 Pcs
201.25.013	Gas Cutting Nozzle - No. 4 - LPG	1 Pcs
201.25.014	Gas Cutting Nozzle - No. 5 - LPG	1 Pcs



## KC 150 - Profile Cutting



### Main Applications

- Steel Fabricator
- Shipyard
- Metal Contractors

### Advantageous

- KC - 150, is a quality constructed, robust gas shape cutter for higher production accuracy
- Compact and simple to operate, continuously produce the same precision cuts by following a steel template
- A powerful magnet roller smoothly guides the cutting torch around any shape

### Specifications

Cutting thickness	5 - 100 mm
Cutting speed	50 - 750 mm/min
Max. circle cutting dia.	600 mm
Length of line cutting	1.200 mm
Max. square cutting	500 x 500 mm
Max. rectangular cutting	400 x 900 mm 450 x 750 mm
Motor power	24 watts
Motor speed	3.600 rpm
Input phase	1 Phase
Input voltage, Tolerance	220 VAC, ± 10 %
Dimension ( L x W x H )	1190 x 335 x 800 mm
Weight	35 Kg



Item Code	Item Name	MoQ
<b>101.11.005.1</b>	<b>KC 150 - Profile Cutting Package</b>	<b>1 Set</b>
	<ul style="list-style-type: none"> <li>• Cable connection - 1 pcs</li> <li>• Weight balancer - 1 pcs</li> <li>• Spanner ( small ) - 1 Pcs</li> <li>• Spanner ( big ) - 1 pcs</li> <li>• Cutting torch - 1 pcs</li> <li>• Gas cutting nozzle - No. 1, 2, 3 for LPG - 1 pcs</li> </ul>	

### Standard Accessories

101.11.005	KC 150 - Profile Cutting	1 Unit
201.23.006	Oxygen Gas Regulator	1 Pcs

### Standard Alternative

201.23.008	LPG Gas Regulator	1 Pcs
201.23.007	Acetylene Gas Regulator	1 Pcs

### Optional Accessories

201.25.001	Gas Cutting Nozzle - No. 00 - Acetylene	1 Pcs
201.25.002	Gas Cutting Nozzle - No. 0 - Acetylene	1 Pcs
201.25.003	Gas Cutting Nozzle - No. 1 - Acetylene	1 Pcs
201.25.004	Gas Cutting Nozzle - No. 2 - Acetylene	1 Pcs
201.25.005	Gas Cutting Nozzle - No. 3 - Acetylene	1 Pcs
201.25.006	Gas Cutting Nozzle - No. 4 - Acetylene	1 Pcs
201.25.007	Gas Cutting Nozzle - No. 5 - Acetylene	1 Pcs
201.25.008	Gas Cutting Nozzle - No. 00 - LPG	1 Pcs
201.25.009	Gas Cutting Nozzle - No. 0 - LPG	1 Pcs
201.25.010	Gas Cutting Nozzle - No. 1 - LPG	1 Pcs
201.25.011	Gas Cutting Nozzle - No. 2 - LPG	1 Pcs
201.25.012	Gas Cutting Nozzle - No. 3 - LPG	1 Pcs
201.25.013	Gas Cutting Nozzle - No. 4 - LPG	1 Pcs
201.25.014	Gas Cutting Nozzle - No. 5 - LPG	1 Pcs



## KC 2 - H - Beam Cutting



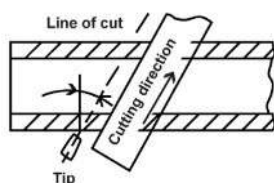
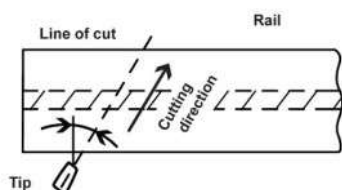
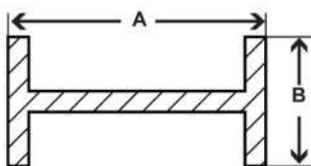
### Main Applications

- Shipyard
- Fabricator
- Steel Contractor

### Advantageous

- Grouping control buttons on the control panel for easy operation
- SCR control system for smooth and continuous cutting
- Clutch system, for easy positioning and alignment
- With a quick valve for fast and easy operation
- Can cut diagonal, normal, bevel and even plate cuts
- Easy mounting for unit machine onto rail with easy clamping

Specifications	
Cutting width	150 - 800 mm ( A )
Cutting height	150 - 400 mm ( B )
Cutting thickness	6 - 60 mm
Cutting speed	50 - 750 mm/min
Diagonal web cutting	35° at 400 mm max. web cutting
Bevel cutting	35° for both web flanges
Input phase	1 Phase
Motor input voltage	220 VAC, ± 10 %
Dimension ( L x W x H )	250 x 176 x 260 mm
Weight	20 Kg



Item Code	Item Name	MoQ
101.11.006.1	<b>KC 2 - H - Beam Cutting Package</b>	<b>1 Set</b>
	• Cable connection - 1 pcs	
	• Cutting torch - 1 pcs	
	• Aluminum track rail - 1 pcs	
	• Spanner 15 & 20 - 1 pcs	
	• Spanner 17 & 24 - 1 pcs	
	• Tip cleaner - 1 pcs	
	• Gas cutting nozzle - No. 1, 2, 3 for LPG - 1 pcs	

### Standard Accessories

101.11.006	KC 2 - H - Beam Cutting	1 Unit
201.23.006	Oxygen Gas Regulator	1 Pcs

### Standard Alternative

201.23.008	LPG Gas Regulator	1 Pcs
201.23.007	Acetylene Gas Regulator	1 Pcs

### Optional Accessories

201.25.001	Gas Cutting Nozzle - No. 00 - Acetylene	1 Pcs
201.25.002	Gas Cutting Nozzle - No. 0 - Acetylene	1 Pcs
201.25.003	Gas Cutting Nozzle - No. 1 - Acetylene	1 Pcs
201.25.004	Gas Cutting Nozzle - No. 2 - Acetylene	1 Pcs
201.25.005	Gas Cutting Nozzle - No. 3 - Acetylene	1 Pcs
201.25.006	Gas Cutting Nozzle - No. 4 - Acetylene	1 Pcs
201.25.007	Gas Cutting Nozzle - No. 5 - Acetylene	1 Pcs
201.25.008	Gas Cutting Nozzle - No. 00 - LPG	1 Pcs
201.25.009	Gas Cutting Nozzle - No. 0 - LPG	1 Pcs
201.25.010	Gas Cutting Nozzle - No. 1 - LPG	1 Pcs
201.25.011	Gas Cutting Nozzle - No. 2 - LPG	1 Pcs
201.25.012	Gas Cutting Nozzle - No. 3 - LPG	1 Pcs
201.25.013	Gas Cutting Nozzle - No. 4 - LPG	1 Pcs
201.25.014	Gas Cutting Nozzle - No. 5 - LPG	1 Pcs



## KC 11 - Pipe Cutting



### Main Applications

- Steel Pipe Contractor
- Shipyard
- Fabricator

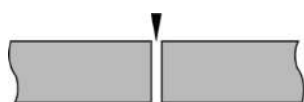
### Advantageous

- Cutting of pipe size from 100 to 600 mm with standard chain, or more with extra chain
- Interlocking chain, add and remove chain for big and smaller pipe
- Clutch system, for easy positioning and alignment
- Easy operation with quick valve

### Specifications

Pipe cutting diameter	100 - 600 mm , Standard Over 600 mm , Extra Chain
Pipe cutting thickness	5 - 50 mm
Bevel angle	0 - 45°
Cutting edge sharp	I and V ( 45° )
Torch	Single
Dimension ( L x W x H )	325 x 325 x 425 mm
Weight	15 Kg

Item Code	Item Name	MoQ
101.11.007.1	<b>KC 11 - Pipe Cutting Package</b>	<b>1 Set</b>
	• Chain 2.5 m - 1 pcs	
	• Cutting torch - 1 pcs	
	• Spanner 15 & 20 - 1 pcs	
	• Spanner 17 & 24 - 1 pcs	
	• Tip cleaner - 1 pcs	
	• Gas cutting nozzle - No. 1, 2, 3 for LPG - 1 pcs	



Cutting edge sharp = I



Cutting edge sharp = V



### Standard Accessories

101.11.007	KC 11 - Pipe Cutting	1 Unit
201.23.006	Oxygen Gas Regulator	1 Pcs

### Standard Alternative

201.23.008	LPG Gas Regulator	1 Pcs
201.23.007	Acetylene Gas Regulator	1 Pcs

### Optional Accessories

201.19.002	Chain 2.5 m KC 11, KC 11 A	1 Pcs
201.25.001	Gas Cutting Nozzle - No. 00 - Acetylene	1 Pcs
201.25.002	Gas Cutting Nozzle - No. 0 - Acetylene	1 Pcs
201.25.003	Gas Cutting Nozzle - No. 1 - Acetylene	1 Pcs
201.25.004	Gas Cutting Nozzle - No. 2 - Acetylene	1 Pcs
201.25.005	Gas Cutting Nozzle - No. 3 - Acetylene	1 Pcs
201.25.006	Gas Cutting Nozzle - No. 4 - Acetylene	1 Pcs
201.25.007	Gas Cutting Nozzle - No. 5 - Acetylene	1 Pcs
201.25.008	Gas Cutting Nozzle - No. 00 - LPG	1 Pcs
201.25.009	Gas Cutting Nozzle - No. 0 - LPG	1 Pcs
201.25.010	Gas Cutting Nozzle - No. 1 - LPG	1 Pcs
201.25.011	Gas Cutting Nozzle - No. 2 - LPG	1 Pcs
201.25.012	Gas Cutting Nozzle - No. 3 - LPG	1 Pcs
201.25.013	Gas Cutting Nozzle - No. 4 - LPG	1 Pcs
201.25.014	Gas Cutting Nozzle - No. 5 - LPG	1 Pcs





## KC 11 A - Automatic Pipe Cutting



Remote Control

KC 11 A

### Main Applications

- Steel Pipe Contractor
- Shipyard
- Fabricator

### Advantageous

- Automatic pipe cutting with DC motor for straight and bevel
- Interlocking chain, add and remove chain for bigger and smaller pipe
- Clutch system, for easy positioning and alignment
- Robust remote control for easy operation away from cutting area

### Specifications

Pipe cutting diameter	150 - 600 mm , Standard Over 600 mm , Extra Chain
Pipe cutting thickness	6 - 50 mm
Cutting speed	5 - 1.150 mm/min
Bevel angle	0 - 45°
Cutting edge sharp	I and V ( 45° )
Torch	Single
Motor RPM	6.000 rpm
Motor consumption	68 watts
Input phase	1 Phase
Input voltage	220 VAC, ± 10 %
Dimension ( L x W x H )	280 x 280 x 450 mm
Weight	16 Kg



Cutting edge sharp = I



Cutting edge sharp = V  
0 - 45°



### Item Code Item Name MoQ

<b>101.11.008.1</b>	<b>KC 11 A - Automatic Pipe Cutting Package</b>	<b>1 Set</b>
	<ul style="list-style-type: none"> <li>• Chain 2.5 m - 1 pcs</li> <li>• Cutting torch - 1 pcs</li> <li>• Cable connection - 1 pcs</li> <li>• Remote control - 1 pcs</li> <li>• Spanner 15 &amp; 20 - 1 pcs</li> <li>• Spanner 17 &amp; 24 - 1 pcs</li> <li>• Tip cleaner - 1 pcs</li> <li>• Gas cutting nozzle No. 1, 2, 3 for LPG - 1 pcs</li> </ul>	

### Standard Accessories

101.11.008	KC 11 A - Automatic Pipe Cutting	1 Unit
201.23.006	Oxygen Gas Regulator	1 Pcs

### Standard Alternative

201.23.008	LPG Gas Regulator	1 Pcs
201.23.007	Acetylene Gas Regulator	1 Pcs

### Optional Accessories

201.19.002	Chain 2.5 m KC 11, KC 11 A	1 Pcs
201.25.001	Gas Cutting Nozzle - No. 00 - Acetylene	1 Pcs
201.25.002	Gas Cutting Nozzle - No. 0 - Acetylene	1 Pcs
201.25.003	Gas Cutting Nozzle - No. 1 - Acetylene	1 Pcs
201.25.004	Gas Cutting Nozzle - No. 2 - Acetylene	1 Pcs
201.25.005	Gas Cutting Nozzle - No. 3 - Acetylene	1 Pcs
201.25.006	Gas Cutting Nozzle - No. 4 - Acetylene	1 Pcs
201.25.007	Gas Cutting Nozzle - No. 5 - Acetylene	1 Pcs
201.25.008	Gas Cutting Nozzle - No. 00 - LPG	1 Pcs
201.25.009	Gas Cutting Nozzle - No. 0 - LPG	1 Pcs
201.25.010	Gas Cutting Nozzle - No. 1 - LPG	1 Pcs
201.25.011	Gas Cutting Nozzle - No. 2 - LPG	1 Pcs
201.25.012	Gas Cutting Nozzle - No. 3 - LPG	1 Pcs
201.25.013	Gas Cutting Nozzle - No. 4 - LPG	1 Pcs
201.25.014	Gas Cutting Nozzle - No. 5 - LPG	1 Pcs





## KC 100 - Welding Carriage



**KC 100**

### Main Applications

- Shipyards
- Steel Fabricators
- Heavy Industries

### Advantageous

- KC 100 is light, compact, 4WD, magnetic force traction and a low center of gravity allows this machines to achieve the highest pulling power and stability in the market place today
- Utilizing a strong magnet, vertical and horizontal fillet welding is possible with this unit
- Weighing only 7 kg, the body is easy to transport and set-up
- KC 100 features a wide range of torch positioning for horizontal and vertical fillet welds

### Specifications

Pulling power	30 Kg
Drive system	Rubber wheels and magnetized system
Travel speed	150 - 1.500 mm/min
Tracking system	Guide roller
Torch angle	40 - 55°
Torch up and down	45 mm - adjustable
Torch forward and back	45 mm - adjustable
Torch holder	Most Mig Mag swan neck
Un-welded area at start	125 mm
Un-welded area at stop	140 mm
Automatic stop	Limit switch at both ends
Input phase	1 Phase
Input voltage, Tolerance	220 VAC, ± 10 %
Dimension ( L x W x H )	259 x 259 x 264 mm
Weight	7 Kg



Item Code	Item Name	MoQ
101.11.009	<b>KC 100 - Welding Carriage Package</b>	<b>1 Set</b>
	<ul style="list-style-type: none"> <li>• Power supply adaptor</li> <li>• Cable connection</li> <li>• Fuse 220V (1 A)</li> <li>• Inner hexagon spanner</li> </ul>	



## KC 200 - Welding Carriage



### Main Applications

- Shipyards
- Steel Fabricators
- Heavy Industries

### Advantageous

- KC 200 is light, compact, suitable for continues or discontinues welding for straight angle.
- Digital display of speed, distance of continues or discontinues welding & time of end.
- With no welding, carriage speed is regarded as most fast & more efficient.
- Carriage stop running while welding ends.
- End Welding units is attached, the time of end welding is adjusment from 0 - 3.5 s.
- Permanent magnet and guide unit fixed in carriage, which can preventive from devating welding line.

### Specifications

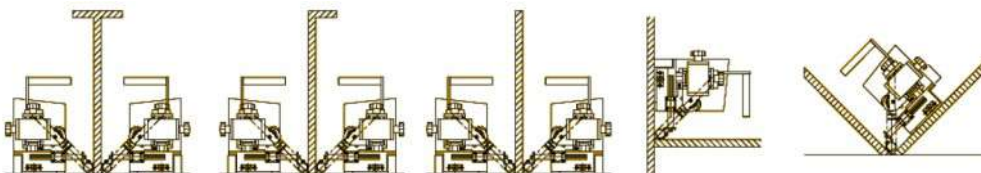
Pulling power	30 Kg
Drive system	Rubber wheels and magnetized system
Travel speed	30 - 1900 mm/min
Tracking system	Guide roller
Torch angle	10 - 45°
Torch up and down	60 mm - adjustable
Torch forward and back	60 mm - adjustable
Torch holder	Most Mig Mag swan neck
Moving of direction	Left & Right
Run of Time	0 - 7 second
Input phase	1 Phase
Input voltage, Tolerance	220 VAC, ± 10 %
Dimension ( L x W x H )	320 x 230 x 290 mm
Weight	8.3 Kg



Item Code	Item Name	MoQ
101.11.010	<b>KC 200 - Welding Carriage Package</b>	1 Set

- Power supply adaptor
- Cable connection
- 2P torch control line at 500 mm
- Fuse 220V / 2 A
- Inner hexagon spanner

### Welding Positions :





## KC 300 - Welding Carriage



**KC 300**

### Main Applications

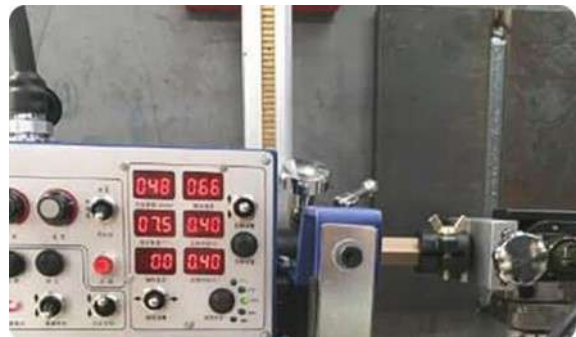
- Shipyards
- Steel Fabricators
- Heavy Industries

### Advantageous

- KC 300 is auto welding carriage for vertical & horizontal positions.
- Digital display of travel speed, Swing Speed, Swing Angle, Pause welding Time & etc.
- With no welding, carriage speed is regarded as most fast & more efficient.
- Carriage stop running while welding ends.
- With wavering module. This machine can support all positions welding process.
- Permanent magnet and guide unit fixed in carriage, which can preventive from devating welding line.

### Specifications

Drive system	Four Rims Driving ( Rubber Rim )
Travel speed	30 - 800 mm/min
Tracking system	Rail
Torch angle	10 - 45°
Torch up and down	40 mm - adjustable
Torch forward and back	60 mm - adjustable
Torch holder	Most Mig Mag swan neck
Moving of direction	Left & Right
Swing Speed	0 - 10
Swing Angle	+/- 15°
Adjust walk speed	0 - 130 cm/min
Run of Time	0 - 2.5 second
Set positions of deviations	0 - 8°
Input Phase	1 Phase
Input Voltage, Tolerance	220 VAC, ± 10%
Dimension ( L x W x H )	430 x 280 x 290 mm
Weight	8.3 Kg



Item Code	Item Name	MoQ
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101.11.011	<b>KC 300 - Welding Carriage with Rail</b>	1 Set
	<ul style="list-style-type: none"> <li>• Cable connection</li> <li>• Power supply adaptor</li> <li>• 2P Torch Control line</li> <li>• Hexagon spanner</li> <li>• Straight Rail 1.8 m</li> </ul>	



## Water Cooler Machine D 300



### Main Applications

- For manual & robotic MIG, TIG or Plasma Cutting Torches.

### Advantageous

- Lightweight and user friendly cooling unit.
- Easy handling with a new crossbar handle.
- Copper heat exchanger and plastic tank which eliminates corrosion.
- Compact, rugged, and easy to read water level.
- Comes with quick coupling for easy installation.

### Specifications

Heat exchanger	1 row
Pump capacity	Q max 8 liter/min
Pump discharge	H max 30 m
Tank capacity	7 liter
Noise level	52 db
Input phase / Voltage	1 Phase / 220 V - 50/60 Hz
Cooling capacity ( RT = 22° C )	370 watts at max. flow
Dimension ( L x W x H )	670 x 280 x 420 mm
Weight	15 Kg

Item Code	Item Name	MoQ
101.12.003	<b>D 300 - Water Cooler Machine</b>	<b>1 Set</b>
	<ul style="list-style-type: none"> <li>• Quick connector - 2 pcs</li> <li>• Hose clamp - 2 pcs</li> </ul>	

### Optional Accessories

201.21.003 Water flow cut-off switch

**A water flow cut-off switch**  
Protect the torch from overheating in the event of insufficient liquid flow.



### Suitable Water Cooled Torches

GMAW / MIG Ergoplus 500



GTAW / TIG



SINTIG 20



### \*GTAW / TIG Connections



### \*GMAW / MIG MAG Connections







## Arc Timer



### Advantageous

- A small palm-size tool that measures actual arc burning time from any welding device. It is intended for developing welding work processes and improving productivity for individual welding machines
- With the ArcTimer you get accurate and actual data about arc burning time, which helps you develop your production so that it leads to actual productivity improvements
- More productivity with the arc time measuring device
- Attached to the welding or earthing cable and it uses the current running in the cable to measure the arc time. When welding starts, the device begins to record the arc time. You can see the time on the display in hours with an accuracy of two decimals. The arc time reading on the display increases, until you reset the device by pushing the button under the display

### Specifications

Measured current range	20 - 500 A
Cable diameter	50 - 95 mm <sup>2</sup>
Battery lifetime, minimum	5 years
Index protection	IP23
Operating temperature	-10 ... +50 °C
External dimensions ( L x W x H )	92 x 82 x 32 mm
Weight	215 gram

Item Code	Item Name	MoQ
202.20.001	Arc Timer	1 Pc



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website : [www.bumi.info](http://www.bumi.info)  
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