



WELDING AND CUTTING MACHINES



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Magmaweld is a manufacturer of Stick Electrodes, MIG/MAG & TIG Wires, Flux Cored Wires, Submerged-Arc Wires and Fluxes, Welding Machines, Welding Ancillary Products and Automation Systems in Turkey. Oerlikon Kaynak Elektrodları ve Sanayi A.Ş. was founded in 1957 in order to manufacture stick electrodes as a licensee of Oerlikon-Buehrle AG.

In the year 1996, in order to reduce costs, to strengthen the leading position in Turkey and turn Magmaweld into a global brand, two old factories in Istanbul were moved to new, state of the art factory in Manisa, situated in the west of Turkey. In 2010 the second factory has been opened also in Manisa to produce high-tech welding equipment as well as to integrate robotic automation systems.

The MAGMAWELD brand came out as an analogy between the molten core of the earth, the MAGMA and the WELDPPOOL.

Magmaweld greatly values technical education and has been contributing to the training and education of thousands of welders through regular, free of charge courses since 1961. This service helps to increase consumer awareness and technical competence throughout the industry.

Magmaweld strives for customer satisfaction and process excellence. In order to satisfy customer needs, all questions and remarks about products, training, welding technologies, welding procedures, standards, work safety and automation are processed through the call center at +90 444WELD (4449353) or through live support from www.magmaweld.com where the relevant information is directed to Magmaweld's experts.



Welding Consumables Factory
Organize Sanayi Bölgesi 2. Kısım, Manisa, Turkey



Welding Machines and Automation Factory
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MIG/MAG WELDING MACHINES

Classical Step Controlled Industrial MIG / MAG Welding Machines

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RS 250MK, RS 250M

RS 300MK, RS 300M

RS 350MK, RS 350M, RS 350MW

RS 400MK, RS 400M, RS 400MW

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Portable Stick Electrode (MMA) Welding Machines

proSTICK 200i

Inverter Technology for Professionals



Steels
Stainless Steels
Cast Irons
Aluminium Alloys
Copper Alloys
Nickel Alloys



- Operates with 1 Phase 230V-50/60 Hz mains voltage and generators over 10 kVA, tolerates voltage fluctuations up to 15%. Auto-Protection against low and high input voltages.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- Offers excellent welding performance with all types of electrodes, including cellulosic and aluminum.
- Advanced options; **Hot Start** for easy ignition, **Arc Force** for arc stability, **Anti Stick** to prevent electrode sticking and **Interval Timer** for Spot welding.
- **VRD** for hazardous environments such as mines.
- TIG welding on even thin metals due to its stable low currents with **Lift TIG** arc ignition.
- Stable welding current without loss of performance in case of electric line fluctuations or usage with long welding and electrical cables.
- **Smart Fan** dynamically regulates the cooling performance in accordance with the heating of the appliance.
- **Smart Thermic Protection** continuously monitors the inner temperature and if necessary stops the machine before the thermic switch.
- Portable lightweight design but withstands tough working conditions.
- Designed also for outdoor use, protection class is IP 23.
- Standard accessories come with the machine.



EN 60974-1

EN 60974 -10

RoHS

proSTICK 200i	
Mains Voltage (1-phase)	230 V - 50/60Hz
Rated Power	9.68 kVA
Duty Cycle Rate (25°C)	%35
EN 60974 -1 (I/X%)	200/14
Welding Current Range	5 - 200 ADC
Rated Welding Current	200 ADC
Open Circuit Voltage	85 VDC
Stick Electrode Diameter Range	1.60 - 5.00 mm
Connector Type	35 mm ²
Dimensions (l x w x h)	440 x 155 x 310 mm
Weight	12.5 kg
Protection Class	IP 23

Standard Accessories	
Workpiece Clamp and Cable	7905212503 (25 mm ² - 3 m)
Electrode Clamp and Cable	7906202503 (25 mm ² - 3 m)

Optional Accessories	
Lava TIG 20V (4 m) TIG Torch	7111020004
Lava TIG 20V (8 m) TIG Torch	7111020008

Portable Stick Electrode (MMA) Welding Machines

monoSTICK 165i, 200i

Inverter Technology for Workshops and Construction Sites



Steels
Stainless Steels



- Operates with 1 Phase 230V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- Excellent welding characteristics for rutile and basic electrodes.
- Current adjustment scale by electrode diameters, digital display on monoSTICK 200i for easy parameter selection.
- Scratch TIG welding with a valve-torch.
- Stable welding current without loss of performance in case of electric line fluctuations or usage with long welding and electrical cables.
- Designed also for outdoor use, protection class is IP 23.
- Portable lightweight design but withstands tough working conditions.
- Resists against tipping over scaffolds due to its wider base.
- Fan cooling and thermal protection against overheating.
- Standard accessories come with the machine.

	monoSTICK 165i	monoSTICK 200i
Mains Voltage (1-phase)	230 V - 50/60Hz	230 V - 50/60Hz
Rated Power	7.7 kVA	9.7 kVA
Duty Cycle Rate (25°C)	%35	%35
EN 60974 - 1 (I/X%)	160/20	200/14
Welding Current Range	10 - 160 ADC	10 - 200 ADC
Rated Welding Current	160 ADC	200 ADC
Open Circuit Voltage	65 VDC	65 VDC
Stick Electrode Diameter Range	1.60 - 3.25 mm	1.60 - 4.00 mm
Dimensions (l x w x h)	467 x 160 x 312 mm	467 x 160 x 312 mm
Weight	7.5 kg	10.5 kg
Protection Class	IP 23	IP 23
Digital Display	-	√

Standard Accessories

Workpiece Clamp and Cable	7905201603 (16 mm ² - 3 m)	7905212503 (25 mm ² - 3 m)
Electrode Clamp and Cable	7906201603 (16 mm ² - 3 m)	7906202503 (25 mm ² - 3 m)



EN 60974-1

EN 60974 -10

RoHS

Portable Stick Electrode (MMA) Welding Machines

miniSTICK, megaSTICK

Inverter Technology for General Purpose Use



Steels
Stainless Steels

- Operates with 1 Phase 230V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- Excellent welding characteristics for rutile and basic electrodes.
- Current adjustment scale by electrode diameters, digital display on megaSTICK for easy parameter selection.
- The **smallest & the lightest** of its product family, it can easily be carried or hung by a shoulder strap.
- Scratch TIG welding with a valve-torch.
- Stable welding current without loss of performance in case of electric line fluctuations or usage with longer welding and electrical cables.
- Designed also for outdoor use, protection class is IP 23.
- Fan cooling and thermal protection against overheating.
- Standard accessories come with the machine.



	miniSTICK	megaSTICK
Mains Voltage (1-phase)	230 V - 50/60Hz	230 V - 50/60Hz
Rated Power	6.83 kVA	9.68 kVA
Duty Cycle Rate (25°C)	%70	%30
EN 60974 -1 (I/X%)	140/15	200/14
Welding Current Range	5 - 140 ADC	10 - 200 ADC
Rated Welding Current	140 ADC	200 ADC
Open Circuit Voltage	75 VDC	75 VDC
Stick Electrode Diameter Range	1.60 - 3.25 mm	1.60 - 4.00 mm
Dimensions (l x w x h)	360 x 120 x 200 mm	360 x 120 x 200 mm
Weight	4.25 kg	4.9 kg
Protection Class	IP 23	IP 23
Digital Display	-	✓



Standard Accessories	Ministick Deluxe	Ministick	Megastick Deluxe	Megastick
Workpiece Clamp and Cable	7905101602 (16 mm ² - 2 m)	7905101602 (16 mm ² - 2 m)	7905102502 (25 mm ² - 2 m)	7905102502 (25 mm ² - 2 m)
Electrode Clamp and Cable	7906101602 (16 mm ² - 2 m)	7906101602 (16 mm ² - 2 m)	7906102502 (25 mm ² - 2 m)	7906102502 (25 mm ² - 2 m)
Wire Brush / Hammer	8369000175	-	8369000175	-
Hand Mask	8502301007	-	8502301007	-
Electrode	11101HAEM1	-	11101NAEM1	-
Product Code	501M1500MF	501M1400MF	501M2001MF	501M2000MF



EN 60974-1

EN 60974 -10

RoHS

Industrial Stick Electrode (MMA) Welding Machines

ID Series

Inverter Technology for Construction Sites



Steels
Stainless Steels
Cast Irons
Aluminium Alloys
Copper Alloys
Nickel Alloys



- Operates with 3 Phase 400V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- Excellent welding characteristics for Rutile/Basic electrodes in ID 250E model, for Rutile/Basic/Cellulosic electrodes in ID 300E-ID 350E-ID 400E model.
- Welding current is adjusted precisely by the potentiometer knob on the front panel or by the remote control unit. Preset welding currents and voltages are digitally monitored from the front panel.
- Advanced options; **Hot Start** for easy ignition, **Arc Force** for arc stability, **Anti Stick** to prevent electrode sticking
- Scratch TIG welding with a valve-torch.
- Stable welding current without loss of performance in case of electric line fluctuations or usage with long welding and electrical cables.
- Fan cooling and thermal protection against overheating.
- Suitable for mobile use with optional trolley or rack systems to group 4, 6 or 9 machines.
- Standard accessories come with the machine.

	ID 250E	ID 300E	ID 350E	ID 400E
Mains Voltage (3-phase)	400 V / 50 - 60 Hz	400 V / 50 - 60 Hz	400 V / 50 - 60 Hz	400 V / 50 - 60 Hz
Rated Power	12.7 kVA (%35)	16.1 kVA (%30)	19.6 kVA (%35)	22.9 kVA (%35)
Welding Current Range	5-250 ADC	5 - 300 ADC	5 - 350 ADC	5 - 400 ADC
Rated Welding Current	250 ADC (%35)	300 ADC (%30)	350 ADC (%35)	400 ADC (%35)
Open Circuit Voltage	75	85 VDC	86 VDC	86 VDC
Stick Electrode Diameter Range	1.60-5.00 mm	1.60 - 5.00 mm	1.60 - 5.00 mm	1.60 - 6.00 mm
Dimensions (l x w x h)	491 x 160 x 311 mm	526 x 250 x 408 mm	585 x 307 x 515 mm	585 x 307 x 515 mm
Weight	10.75 kg	21 kg	32 kg	32 kg
Protection Class	IP 23	IP 21	IP 21	IP 21

Standard Accessories

Workpiece Clamp and Cable	7905212503 (25 mm ² - 3 m)	7905212503 (25 mm ² - 3 m)	7905203503 (35 mm ² - 3 m)	7905203503 (35 mm ² - 3 m)
Electrode Clamp and Cable	7906202503 (25 mm ² - 3 m)	7906202503 (25 mm ² - 3 m)	7906203503 (35 mm ² - 3 m)	7906203503 (35 mm ² - 3 m)

Optional Accessories

Remote Control 10m	7900000210	7900000210	7900000210	7900000210
Remote Control 20m	7900000220	7900000220	7900000220	7900000220
Remote Control 30m	7900000230	7900000230	7900000230	7900000230
Remote Control 40m	7900000240	7900000240	7900000240	7900000240
Remote Control 50m	7900000250	7900000250	7900000250	7900000250
Transport Trolley	7900000600	7900000600	7900000600	7900000600
Rack (4, vertical)	7900000804	7900000804	7900000804	7900000804
Rack (6, vertical)	7900000807	7900000807	7900000807	7900000807
Rack (9, vertical)	7900000809	7900000809	7900000809	7900000809
Lava TIG 20V (4 m) TIG Torch	7111020004	7111020004	7111020004	7111020004
Lava TIG 20V (8 m) TIG Torch	7111020008	7111020008	7111020008	7111020008



Transport Trolley



Rack



Remote Control

Industrial Stick Electrode (MMA) Welding Machines

RD 500E, RD 650E

Thyristor Technology for Challenging Applications



Steels
Stainless Steels
Cast Irons
Aluminium Alloys
Copper Alloys
Nickel Alloys

- Operates with 3 Phase 400V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 10%.
- Excellent welding characteristics for Rutile, Basic, Cellulosic electrodes up to 6.0 mm. and high carbon gauging performance up to 13mm with RD 650E model.
- Welding current is adjusted by the potentiometer knob on the front panel or by the remote control box. Set values and Real values of current and voltage during welding are digitally monitored from the front panel.
- Advanced Stick Electrode options; **Hot Start** for easy ignition, **Arc Force** for arc stability, **Anti Stick** to prevent electrode sticking.
- Stable welding current without loss of performance in case of electric line fluctuations or usage with long welding and electrical cables.
- Due to its large wheels and telescopic arms, easy mobility on rough ground conditions.
- Fan cooling and thermal protection against overheating.
- Standard accessories come with the machine.



	RD 500E	RD 650E
Mains Voltage (3-phase)	400 V / 50 - 60 Hz	400 V / 50 - 60 Hz
Rated Power	44.8 kVA (25%)	52.2 kVA (40%)
Welding Current Range	10 - 500 ADC	10 - 650 ADC
Rated Welding Current	500 ADC (25%)	650 ADC (40%)
Open Circuit Voltage	85 VDC	76 VDC
Stick Electrode Diameter Range	2.00 - 6.00 mm	2.00 - 6.00 mm
Largest Carbon Electrode Diameter	8.00 mm	13.00 mm
Dimensions (l x w x h)	830 x 670 x 760 mm	830 x 670 x 760 mm
Weight	205 kg	215 kg
Protection Class	IP 21	IP 21

Standard Accessories

Workpiece Clamp and Cable	7905407003 (70 mm ² - 3 m)	7905509503 (95 mm ² - 3m)
Electrode Clamp and Cable	7906407005 (70 mm ² - 5 m)	7906509505 (95 mm ² - 5 m)

Optional Accessories

Remote Control 10m	7900000210
Remote Control 20m	7900000220
Remote Control 30m	7900000230
Remote Control 40m	7900000240
Remote Control 50m	7900000250
Carbon Gouging Clamp	7908201000

Carbon Gouging Clamp



EN 60974-1

EN 60974 -10

RoHS

Industrial Stick Electrode (MMA) Welding Machines

TD 355, GL 451, GL 600

Magnetic Current Adjustment Technology
for Remote Construction Sites



Steels
Stainless Steels
Cast Irons
Aluminium Alloys
Copper Alloys
Nickel Alloys



- Operates with 3 Phase 400V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 10%.
- Excellent welding characteristics for Rutile, Basic and Cellulosic electrodes and high carbon gauging performance with GL models.
- Possible to work with long welding cables.
- Current adjustment by turning handles and adjusted value is monitored through mechanical scales.
- Contains no electronic component, servicing is easy.
- Due to its large wheels and telescopic arms, easy mobility on rough ground conditions.
- Fan cooling and thermal protection against overheating.
- Standard accessories come with the machine.

	TD 355	GL 451	GL 600
Mains Voltage (3-phase)	400 V / 50 - 60 Hz	400 V / 50 - 60 Hz	400 V / 50 - 60 Hz
Rated Power	21.4 kVA (%35)	28.3 kVA (%35)	36.6 kVA (%35)
Welding Current Range	60 - 350 ADC	60 - 450 ADC	90 - 600 ADC
Rated Welding Current	320 ADC (%35)	400 ADC (%35)	500 ADC (%35)
Open Circuit Voltage	54 - 64 VDC	73 VDC	72 VDC
Stick Electrode Diameter Range	2.00 - 5.00 mm	2.50 - 6.00 mm	3.25 - 6.00 mm
Largest Carbon Electrode Diameter	-	8.00 mm	10.00 mm
Dimensions (l x w x h)	950 x 660 x 650 mm	920 x 660 x 900 mm	920 x 660 x 900 mm
Weight	125 kg	228 kg	244 kg
Protection Class	IP 22	IP 22	IP 22

Standard Accessories

Workpiece Clamp and Cable	7905203503 (35 mm ² - 3 m)	7905305003 (50 mm ² - 3 m)	7905407003 (70 mm ² - 3 m)
Electrode Clamp and Cable	7906203505 (35 mm ² - 5 m)	7906305005 (50 mm ² - 5 m)	7906407005 (70 mm ² - 5 m)

Optional Accessories

Carbon Gouging Clamp	-	7908201000	7908201000
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Carbon Gouging Clamp



MPM Series



Steels
Stainless Steels
Cast Irons
Aluminium Alloys
Copper Alloys
Nickel Alloys



- Water cooled diesel engine generator set designed for welding, whereas it can be used as a normal generator with standard outputs 400V/50 Hz (3~), 230V/50 Hz (1~). Optionally, a 48V/110V output is also available.
- In addition to Rutile, Basic and Cellulosic coated electrode welding, Carbon Cutting, TIG (Lift TIG) and MIG/MAG welding with optional wire feeding unit are also possible.
- Welding current can be adjusted through the potentiometer on the front panel and also with the wired remote control.
- Current, voltage, fuel level and operating time indicators are on the front panel.
- No loss of performance with long welding cables.
- Especially designed for outdoor use, protection class is IP23.
- Ignites with a 12V internal battery and switches to idle position automatically when there is no load.
- Warnings are; low fuel level, low oil pressure, battery charge failure and protections are; against current leakage and overheating.
- Standard accessories come with the machine.
- Trailer is Optional.

Motor	MPM 15/400 I-KA	MPM 500 Y	MPM 20/500 Y
Type	Kubota D1105-E	Yanmar 4TNV88	Yanmar 4TNV98 - STAGE IIIA
Power	28 HP (20.6 kVA)	24.1 HP	46,1 HP
Total Cylinder Capacity	1123 cm ³	2190 cm ³	3319 cm ³
Number of Cylinders	3	4	4
Cooling Type	Water	Water	Water
Operation Type	Electric	Electric	Electric
Fuel Type	Diesel	Diesel	Diesel
Fuel Consumption	4,9 lt / h (%75)	3,5 lt/h (75%)	6.4 lt/h (%75)
Fuel Tank Volume	38 lt	70 lt	70 lt
Dimensions (l x w x h)	1590 x 730 x 920 mm	1620 x 750 x 1290 mm	2015 x 900 x 1300 mm
Weight	450 kg	715 kg	975 kg

Generator			
Type	GenSet Asynchronous Brushless	GenSet Asynchronous Brushless	GenSet Asynchronous Brushless
Maximum Power (1 Phase)	10 kVA - 230 VAC	5,5 kVA - 230 VAC / 2,7 kVA - 115 VAC	6,6 kVA - 230 VAC
Maximum Power (3 Phase)	15 kVA - 400 VAC	16kVA - 400 VAC	20kVA - 400 VAC
Power Factor	0.80	0.80	0.80

Welding Circuit			
Rated Welding Current	400 A - 35 VDC (%30)	500 A - 30 VDC (%40)	500 A - 40 VDC (%60)
Welding Current Range	30 - 400 ADC	30 - 500 ADC	30 - 500 ADC
Maximum Open Circuit Voltage	70 VDC	70 VDC	70 VDC
Stick Electrode Diameter Range	2.00 - 6.00 mm	2.00 - 6.00 mm	2.00 - 6.00 mm
Largest Carbon Electrode Diameter	6 mm	8 mm	10 mm

Accessories			
Workpiece Clamp and Cable	7905305003 (50 mm ² - 3 m)	7905407003 (70 mm ² - 5m)	7905407003 (70 mm ² - 5m)
Electrode Clamp and Cable	7906305005 (50 mm ² - 5 m)	7906407005 (70 mm ² - 5m)	7906407005 (70 mm ² - 5m)
Remote Control (Optional)	7950000009 (20 m)	7950000009 (20 m)	7950000009 (20 m)
Terminal Replacement Kit (Optional)	7950000007	7950000007	7950000007
Trailer (Optional)	7950000005 (2 Wheel)	7950000006 (2 Wheel)	7950000004 (2 Wheel)

Ürün Kodları



Standard (With 230V Euro Type Mains Plug)		Without Mains Plug
miniSTICK	501M1400MF	-
miniSTICK Deluxe	501M1500MF	-
megaSTICK	501M2000MF	-
megaSTICK Deluxe	501M2001MF	-
monoSTICK 165i	501N1600MF	-
monoSTICK 200i	501N201DMF	-
proSTICK 200i	501P200DMF	-
ID 250E	-	5030250DM1
ID 300E	-	5030300DM0
ID 350E	-	5030350DM0
ID 400E	-	5030400DM0
RD 500E	-	502S500DM0
RD 650E	-	502S650DM0
TD 355	-	502M3500M0
GL 451	-	502M4500M0
GL 600	-	502M6000M0
MPM 15 - 400 IKA	-	550040W1G0
MPM 20 - 500 Y	-	550050W3G0
MPM 500 Y	-	550050W2G0

* Please contact for different plug types requests.

Stick Electrode (MMA) Welding Accessories



	Electrode Clamps	Grounding Pliers	Carbon Clamps	Remote Control	Transport Trolley	Rack
miniSTICK	7906101602 (16 mm ² - 2 m)	7905101602 (16 mm ² - 2 m)	-	-	-	-
megaSTICK	7906102502 (25 mm ² - 2 m)	7905102502 (25 mm ² - 2 m)	-	-	-	-
monoSTICK 165i	7906201603 (16 mm ² - 3 m)	7905201603 (16 mm ² - 3 m)	-	-	-	-
monoSTICK 200i	7906202503 (25 mm ² - 3 m)	7905212503 (25 mm ² - 3 m)	-	-	-	-
proSTICK 200i	7906202503 (25 mm ² - 3 m)	7905212503 (25 mm ² - 3 m)	-	-	-	-
ID 250E	7906202503 (25 mm ² - 3 m)	7905212503 (25 mm ² - 3 m)	-	7900000210 (10 m)	7900000600	7900000804 (4 items)
				7900000220 (20 m)		7900000806 (6 vertical)
				7900000230 (30 m)		7900000807 (6 horizontal)
				7900000240 (40 m)		7900000809(9 items)
				7900000250 (50 m)		
ID 300E	7906202503 (25 mm ² - 3 m)	7905212503 (25 mm ² - 3 m)	-	7900000210 (10 m)	7900000600	7900000804 (4 items)
				7900000220 (20 m)		7900000806 (6 vertical)
				7900000230 (30 m)		7900000807 (6 horizontal)
				7900000240 (40 m)		7900000809(9 items)
				7900000250 (50 m)		
ID 350E	7906203503 (35 mm ² - 3 m)	7905203503 (35 mm ² - 3 m)	-	7900000210 (10 m)	7900000600	7900000804 (4 items)
				7900000220 (20 m)		7900000806 (6 vertical)
				7900000230 (30 m)		7900000807 (6 horizontal)
				7900000240 (40 m)		7900000809(9 items)
				7900000250 (50 m)		
ID 400E	7906203503 (35 mm ² - 3 m)	7905203503 (35 mm ² - 3 m)	-	7900000210 (10 m)	7900000600	7900000804 (4 items)
				7900000220 (20 m)		7900000806 (6 vertical)
				7900000230 (30 m)		7900000807 (6 horizontal)
				7900000240 (40 m)		7900000809(9 items)
				7900000250 (50 m)		
RD 500E	7906407005 (70 mm ² - 5 m)	7905407003 (70 mm ² - 3 m)	7908201000	7900000210 (10 m)	-	-
				7900000220 (20 m)	-	-
				7900000230 (30 m)	-	-
				7900000240 (40 m)	-	-
				7900000250 (50 m)	-	-
RD 650E	7906509505 (95 mm ² - 5 m)	7905509503 (95 mm ² - 3 m)	7908201000	7900000210 (10 m)	-	-
				7900000220 (20 m)	-	-
				7900000230 (30 m)	-	-
				7900000240 (40 m)	-	-
				7900000250 (50 m)	-	-
TD 355	7906203505 (35 mm ² - 5 m)	7905203503 (35 mm ² - 3 m)	-	-	-	-
GL 451	7906305005 (50 mm ² - 5 m)	7905305003 (50 mm ² - 3 m)	7908201000	-	-	-
GL 600	7906407005 (70 mm ² - 5 m)	7905407003 (70 mm ² - 3 m)	7908201000	-	-	-

Portable TIG Welding Machines

monoTIG 220ip AC/DC

Inverter-Pulse Technology with Advanced Functions



Aluminium Alloys
Stainless Steels
Steels
Copper Alloys
Nickel Alloys



- Operates with 1 Phase 230V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Extra protection against extremely high or low supply voltages.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- TIG arc ignition by **HF** or **Lift TIG**.
- Excellent welding of thin metals due to very stable low current performance and pulse abilities.
- Balance adjustment of AC Current.
- Advanced TIG settings; **Pre-Gas, Slope-Up, Welding Current, Pulse Frequency and Width, Slope-Down, Post-Gas and Crater Filling**.
- Burr-free, high quality, bright welding seams with coldTIG feature.
- Offers 100 JOB memory.
- Interval timer for spot welding.
- 2/4 Triggering and Current Adjustment via torch and foot pedal.
- Welding parameters are monitored on the digital display.
- Excellent welding characteristics for rutile and basic electrodes.
- Advanced Stick Electrode options; **Hot Start** for easy ignition, **Arc Force** for arc stability, **Anti Stick** to prevent electrode sticking.
- **VRD** for hazardous environments such as mines.
- Stable welding current without loss of performance in case of electric line fluctuations or usage with long welding and electrical cables.
- Portable design, withstands tough working conditions.
- Fan cooling and thermal protection against overheating.
- Standard accessories come with the machine.



EN 60974-1

EN 60974 -10

RoHS

NEW monoTIG 220ip AC/DC

Mains Voltage (1-phase)	230 V - 50/60Hz
Rated Power (MMA)	9.2 kVA (%15)
Rated Power (TIG)	8.05 kVA (%20)
Welding Current Range	3 - 220 ADC
Rated Welding Current	220 ADC (%20)
Open Circuit Voltage	87 VDC
Stick Electrode Diameter Range	2.00 - 5.00 mm
Tungsten Electrode Diameter Range	1.00 - 2.40 mm
Dimensions (l x w x h)	529 x 221 x 395 mm
Weight	16.5 kg
Protection Class	IP 21

Standard Accessories

Workpiece Clamp and Cable	7905201603 (16 mm ² - 3 m)
Gas Hose	7907000002 (2 m)
Torch (Air Cooled 4 m)	7110018004

Optional Accessories

Electrode clamp and cable	7906201603 (16 mm ² - 3 m)
Gas Regulator	7020001004
Water Cooling Unit (CSP 45)	7910005210
Lava TIG 26 (8 m) Air Cooled TIG Torch	7110018008
Lava TIG 18W (4 m) Water Cooled TIG Torch	7110038004
Lava TIG 18W (8 m) Water Cooled TIG Torch	7110038008
TIG Accessory Set Air Cooled (Torch + Regulator)	7910000510
Water Cooled TIG Accessory Set (Torch + Regulator)	7910000530
Foot Pedal (On/Of)	7910000120
Foot Pedal (Current Adjustable)	7910000140
Transport Trolley	7910000100

**Trolley****Foot Pedal**

Portable TIG Welding Machines

monoTIG 160ip

Inverter Pulse Technology for Workshops



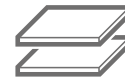
Stainless Steels
Steels

- Operates with 1 Phase 230V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- TIG arc ignition by **HF** or **Lift TIG**.
- Thin metal sheet welding due to its pulsing frequency up to 2 kHz.
- Advanced TIG settings; **Pre-Gas, Slope-Up, Welding Current, Pulse Frequency and Width, Slope-Down, Post-Gas** and **Crater Filling**.
- Offers 10 JOB memory.
- Triggering via torch as 2/4 or with foot pedal as On/Off.
- Welding parameters are monitored on the digital display.
- Excellent welding characteristics for rutile and basic electrodes.
- Stable welding current without loss of performance in case of electric line fluctuations or usage with long welding and electrical cables.
- Designed also for outdoor use, protection class is IP 23.
- Portable lightweight design but withstands tough working conditions.
- Fan cooling and thermal protection against overheating.
- Standard accessories come with the machine.



monoTIG 220ip

Inverter-Pulse Technology with Advanced Functions



Stainless Steels
Steels
Copper Alloys
Nickel Alloys

- Operates with 1 Phase 230V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
Extra protection against extremely high or low supply voltages.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- TIG arc ignition by **HF** or **Lift TIG**.
- Excellent welding of thin metals due to very stable low current performance and pulse abilities.
- Advanced TIG settings; **Pre-Gas, Slope-Up, Welding Current, Pulse Frequency and Width, Slope-Down, Post-Gas** and **Crater Filling**.
- Burr-free, high quality, bright welding seams with coldTIG feature.
- Offers 100 JOB memory.
- Interval timer for spot welding.
- 2/4 Triggering and Current Adjustment via torch and foot pedal.
- Welding parameters are monitored on the digital display.
- Excellent welding characteristics for rutile and basic electrodes.
- Advanced Stick Electrode options; **Hot Start** for easy ignition, **Arc Force** for arc stability, **Anti Stick** to prevent electrode sticking.
- **VRD** for hazardous environments such as mines.
- Stable welding current without loss of performance in case of electric line fluctuations or usage with long welding and electrical cables.
- Portable design, withstands tough working conditions.
- Fan cooling and thermal protection against overheating.
- Standard accessories come with the machine.



EN 60974-1

EN 60974 -10

RoHS

	monoTIG 160ip	monoTIG 220ip
Mains Voltage (1-phase)	230 V - 50/60Hz	230 V - 50/60Hz
Rated Power (MMA)	7.59 kVA (%20)	9.2 kVA (%15)
Rated Power (TIG)	5.14 kVA (%30)	8.05 kVA (%20)
Welding Current Range	30 - 160 ADC	3 - 220 ADC
Rated Welding Current	160 ADC (%30)	220 ADC (%20)
Open Circuit Voltage	75 VDC	87 VDC
Stick Electrode Diameter Range	2.00 - 3.25 mm	2.00 - 5.00 mm
Tungsten Electrode Diameter Range	1.60 - 2.40 mm	1.00 - 2.40 mm
Dimensions (l x w x h)	515 x 160 x 312 mm	474 x 221 x 395 mm
Weight	10 kg	15.5 kg
Protection Class	IP 23	IP 21

Standard Accessories

Workpiece Clamp and Cable	7905201603 (16 mm ² - 3 m)	7905201603 (16 mm ² - 3 m)
Gas Hose	7907000002 (2 m)	7907000002 (2 m)
Torch (Air Cooled 4 m)	7110018004	7110018004

Optional Accessories

Electrode clamp and cable	7906201603 (16 mm ² - 3 m)	7906201603 (16 mm ² - 3 m)
Gas Regulator	7020001004	7020001004
Water Cooling Unit	7910005200	7910005210
Lava TIG 26 (8 m) Air Cooled TIG Torch	7110018008	7110018008
Lava TIG 18W (4 m) Water Cooled TIG Torch	7110038004	7110038004
Lava TIG 18W (8 m) Water Cooled TIG Torch	7110038008	7110038008
TIG Accessory Set Air Cooled (Torch + Regulator)	7910000510	7910000510
Water Cooled TIG Accessory Set (Torch + Regulator)	7910000530	7910000530
Foot Pedal (On/Off)	7910000130	7910000120
Foot Pedal (Current Adjustable)	-	7910000140
Transport Trolley	7910000100	7910000100



Trolley



Foot Pedal

Portable TIG Welding Machines

monoTIG 160i monoTIG 200i

With HF Unit

- Operates with 1 Phase 230V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- TIG arc ignition by **HF** or **Lift TIG**.
- Thin metal sheet welding due to its stable low currents starting from 5 Ampere.
- Basic TIG settings; **Welding Current, Slope-Down, Pre-Gas, Post-Gas** and **Crater Filling**.
- Welding parameters are monitored on the digital display.
- Triggering via torch as 2/4 or with foot pedal as On/Off.
- Excellent welding characteristics for rutile and basic electrodes.
- Stable welding current without loss of performance in case of electric line fluctuations or usage with long welding and electrical cables.
- Designed also for outdoor use, protection class is IP 23.
- Portable lightweight design but withstands tough working conditions.
- Fan cooling and thermal protection against overheating.
- Standard accessories come with the machine.



Stainless Steels
Steels



monoTIG 160i Basic

Without HF Unit

- Operates with 1 Phase 230V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- Excellent welding characteristics for rutile and basic electrodes.
- TIG welding with **Lift TIG** arc ignition.
- TIG torch with trigger and foot pedal (On / Off) can be used.
- Stable welding current without loss of performance in case of electric line fluctuations or usage with long welding and electrical cables.
- Designed also for outdoor use, protection class is IP 23.
- Portable lightweight design but withstands tough working conditions.
- Fan cooling and thermal protection against overheating.
- Standard accessories come with the machine.



Stainless Steels
Steels



	monoTIG 160i Basic	monoTIG 160i	monoTIG 200i
Mains Voltage (1-phase)	230 V - 50/60Hz	230 V - 50/60Hz	230 V - 50/60Hz
Rated Power (MMA)	7.8 kVA (%20)	7.41 kVA (%20)	9.55 kVA (%14)
Rated Power (TIG)	5.2 kVA (%20)	5.01 kVA (%30)	6.69 kVA (%25)
Welding Current Range	10 - 160 ADC	5 - 160 ADC	5 - 200 ADC
Rated Welding Current	160 ADC (%20)	160 ADC (%30)	200 ADC (%25)
Open Circuit Voltage	65 VDC	65 VDC	65 VDC
Stick Electrode Diameter Range	1.60 - 3.25 mm	1.60 - 3.25 mm	2.00 - 4.00 mm
Tungsten Electrode Diameter Range	1.20 - 2.40 mm	1.20 - 2.40 mm	1.00 - 2.40 mm
Dimensions (l x w x h)	450 x 160 x 312 mm	520 x 160 x 312 mm	520 x 160 x 312 mm
Weight	9.5 kg	9.5 kg	10 kg
Protection Class	IP 23	IP 23	IP 23

Standard Accessories

Workpiece Clamp and Cable	7905201603 (16 mm ² - 3 m)	7905212503 (25 mm ² - 3 m)	7905212503 (25 mm ² - 3 m)
Electrode Clamp and Cable	7906201603 (16 mm ² - 3 m)	-	-
Gas Hose	7907000002 (2 m)	7907000002 (2 m)	7907000002 (2 m)
Torch (Air Cooled 4 m)	7110018204	7110018004	7110018004

Optional Accessories

Water Cooling Unit (CSP 40)	7910005200	7910005200	7910005200
Gas Regulator	7020001004	7020001004	7020001004
Electrode clamps and cable	-	7906202503 (25 mm ² - 3 m)	7906202503 (25 mm ² - 3 m)
Lava TIG 26 (8 m) Air Cooled TIG Torch	-	7110018008	7110018008
Lava TIG 18W (4 m) Water Cooled TIG Torch	-	7110038004	7110038004
Lava TIG 18W (8 m) Water Cooled TIG Torch	-	7110038008	7110038008
TIG Accessory Set Air Cooled (Torch + Regulator)	-	7910000510	7910000510
Water Cooled TIG Accessory Set (Torch + Regulator)	-	7910000530	7910000530
Foot Pedal (On/Off)	7910000130	7910000130	7910000130
Trolley	7910000100	7910000100	7910000100



Trolley



Foot Pedal

Industrial TIG Welding Machines

ID Series

High Capacity Inverter-Pulse Technology
with Advanced Functions



Stainless Steels
Steels
Copper Alloys
Nickel Alloys



- Operates with 3 Phase 400V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- TIG arc ignition by **HF** or **Lift TIG**.
- Excellent welding of thin metals due to very stable low current performance and pulse abilities.
- Advanced TIG settings; **Pre-Gas, Slope-Up, Welding Current, Pulse Frequency and Width, Slope-Down, Post-Gas and Crater Filling**.
- Offers 10 JOB memory in 250 ampere and 300 ampere models, **100 JOB** memory in 500 ampere model.
- Interval timer for spot welding.
- 2/4 Triggering and Current Adjustment via torch and foot pedal.
- Welding parameters are monitored on the digital display.
- Excellent welding characteristics for wide range of stick electrodes.
- Advanced Stick Electrode options; **Hot Start** for easy ignition, **Arc Force** for arc stability, **Anti Stick** to prevent electrode sticking.
- **VRD** for hazardous environments such as mines.
- Stable welding current without loss of performance in case of electric line fluctuations or usage with long welding and electrical cables.
- Optional gas cylinder platform with large wheels to ease mobility in workshops.
- Fan cooling and thermal protection against overheating.
- Standard accessories come with the machine.



EN 60974-1

EN 60974 -10

RoHS

Standard	ID 250 T DC	ID 300 T DC	
Pulsed	ID 250 T DC Pulse	ID 300 T DC Pulse	
Standard Water Cooled	ID 250 TW DC	ID 300 TW DC	
Pulsed Water Cooled	ID 250 TW DC Pulse	ID 300 TW DC Pulse	YENİ ID 500 TW DC Pulse
Mains Voltage (3-phase)	400 V - 50/60 Hz	400 V - 50/60 Hz	400 V - 50/60 Hz
Rated Power (MMA)	13 kVA (%35)	16.1 kVA (%30)	25.88 kVA (%25)
Rated Power (TIG)	9.5 kVA (%35)	12.3 kVA (%30)	21.18 kVA (%30)
Welding Current Range	5 - 250 ADC	5 - 300 ADC	5 - 500 ADC
Rated Welding Current	250 ADC (%35)	300 ADC (%30)	500 ADC (%30)
Open Circuit Voltage	85 VDC	85 VDC	85 VDC
Stick Electrode Diameter Range	1.60 - 4.00 mm	1.60 - 5.00 mm	1.60 - 6.00 mm
Tungsten Electrode Diameter Range	1.00 - 2.40 mm	1.00 - 2.40 mm	1.00 - 4.00 mm
Dimensions (l x w x h)	598 x 252 x 661 mm	598 x 252 x 661 mm	514 x 290 x 629 mm
Weight (Power Source)	22.5 kg	22.5 kg	36.5 kg
Protection Class	IP 21	IP 21	IP 21

Cooling Unit			
Cooling Capacity	0.37 kW	0.37 kW	1.02 kW
Current Absorbed from Mains (60 Hz)	0.95 A	0.95 A	0.95 A
Dimensions	430 x 320 x 280 mm	430 x 320 x 280 mm	642 x 293 x 263 mm
Weight	23 kg	23 kg	22 kg

Standard Accessories			
Workpiece Clamp and Cable	7905212503 (25 mm ² - 3 m)	7905212503 (25 mm ² - 3 m)	7905407003 (70 mm ² - 3 m)
Gas Hose	7907000002 (2 m)	7907000002 (2 m)	7907000002 (2 m)
Lava TIG 26 (4 m) Air Cooled TIG Torch*	7110018004	7110018004	-
Lava TIG 18W (4 m) Water Cooled TIG Torch*	7110038004	7110038004	7110038004

* Torch selection is according to the cooling type of the machine.

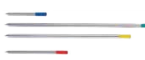
Optional Accessories			
Electrode Clamp and Cable	7906202503 (25 mm ² - 3 m)	7906202503 (25 mm ² - 3 m)	7906207003 (70 mm ² - 3 m)
Lava TIG 26 (8 m) Air Cooled TIG Torch	7110018008	7110018008	-
Lava TIG 18W (8 m) Water Cooled TIG Torch	7110038008	7110038008	7110038008
Water Cooling Unit (CST 60i)	7910005250	7910005250	7910005250
Foot Pedal (On / Off)	7910000120	7910000120	7910000120
Foot Pedal (Current Adjustable)	7910000140	7910000140	7910000140
Torch Control Tools (2 Button / 4 Button)	7910000003/7910000004	7910000003/7910000004	7910000003/7910000004
Transport Trolley (4 Wheels)	7910000200	7910000200	7910000200
Gas Regulator (Argon)	7020001004	7020001004	7020001004
TIG Accessory Set Air Cooled (Torch + Regulator)	7910000510	7910000510	7910000510
Water Cooled TIG Accessory Set (Torch + Regulator)	7910000530	7910000530	7910000530

Product Codes



	Standard	Pulse
monoTIG 160i Basic	511016B2MF	-
monoTIG 160ip	-	511016P2MF
monoTIG 200	511020N2MF	-
monoTIG 220ip	-	511022P2MF
monoTIG 220ip AC/DC	-	515022P2MF
ID 250T DC	51302502M0	513025P2M0
ID 250TW DC	51322502M0	513225P2M0
ID 300T DC	51303002M0	513030P2M0
ID 300TW DC	51323002M0	513230P2M0
ID 500TW DC Pulse	-	513250P2M0

TIG Torches and Consumables

Control Options		100 - 200 A	200 - 350 A	
 		 Lava TIG 26	 Lava TIG 18W	
Welding Capacity	DC	180 A	380 A	
	AC	125 A	270 A	
Duty Cycle		%35	%100	
Ordering Codes	4 m	7110018004	7110038004	
	8 m	7110018008	7110038008	
Cooling Type		Air	Water	
Consumables				
Nozzle		6.00 mm / No 4	7014000604	7014000604
		8.00 mm / No 5	7014000805	7014000805
		10.00 mm / No 6	7014001006	7014001006
		11.00 mm / No 7	7014001107	7014001107
		12.00 mm / No 8	7014001108	7014001108
		16.00 mm / No 10	7014001610	7014001610
Clamp Holder	 Gas Diffuser 	1.00 mm	7013000110 / 7016000010	7013000110 / 7016000010
		1.60 mm	7013000116 / 7016000016	7013000116 / 7016000016
		2.00 mm	7013000120 / 7016000020	7013000120 / 7016000020
		2.40 mm	7013000124 / 7016000024	7013000124 / 7016000024
		3.20 mm	7013000132 / 7016000032	7013000132 / 7016000032
		4.00 mm	7013000140 / -	7013000140 / -
Insulation	Top 	7017000102	7017000102	
	Bottom 	7017000101	7017000101	
Electrode Clamp		1.00 mm	7012000010	7012000010
		1.60 mm	7012000016	7012000016
		2.00 mm	7012000020	7012000020
		2.40 mm	7012000024	7012000024
		3.20 mm	7012000032	7012000032
		4.00 mm	7012000040	7012000040
Pear Cover	Short 	70151000102	70151000102	
	Long 	70151000101	70151000101	
Tung. Electrode	175 mm 		WT - 20 (Red)	
		1.60 mm	7018000116	
		2.00 mm	7018000120	
		2.40 mm	7018000124	
		3.20 mm	7018000132	
		4.00 mm	7018000140	

Monophase MIG / MAG Welding Machines

monoMIG 200ik
megaMIG



Steels
Stainless Steels
Aluminium Alloys

Inverter Technology for Workshops



MIG/MAG
MMA
LIFT TIG

NEW

- Operates with 1 Phase 230V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- Excellent welding characteristics with all types of solid and flux cored wires with CO₂ or Mix gases. EN, EP Connectivity.
- **Welding Voltage, Wire Feeding Speed, Soft Start, Pre-Gas, Post-Gas, Burn-Back** timer settings and **2/4 Trigger** options are adjusted on the front panel.
- Large digital displays for easy monitoring of welding parameters.
- Manual wire feeding and gas valve buttons.
- ø300 mm, ø270 mm and ø200 mm spools, drums of any size and ø100 mm spool with a spool gun can be used with monoMIG 200ik.
- ø200 mm spools and ø100 mm spool with a spool gun can be used with megaMIG.
- Built in gas cylinder platform with large wheels to ease mobility in workshops with monoMIG 200ik.
- Fan cooling and thermal protection against overheating.
- Standard accessories come with the machine.



EN 60974-1

EN 60974 -10

RoHS

	monoMIG 200ik	NEW megaMIG
Mains Voltage (1-phase)	230 V - 50/60Hz	230 V - 50/60Hz
Rated Power	8.6 kVA (%16)	8.2 kVA (%20)
Welding Current Range	30 - 200 ADC	30-200 ADC
Rated Welding Current	200 ADC (%16)	200 ADC (%20)
Open Circuit Voltage	52 VDC	75 VDC
Stick Electrode Diameter Range	-	1.60 - 4.00 mm
Dimensions (l x w x h)	888 x 455 x 870 mm	559 x 210 x 447 mm
Weight (Torch Excluded)	48 kg	19.5 kg
Protection Class	IP 21	IP 21

Wire Feed System

Wire Diameter Range	0.60 - 1.00 mm	0.60 - 1.00 mm
Standard Wire Rollers	0.80 - 1.00 mm	0.80 - 1.00 mm
Roller Diameter	2 x 37 mm	1 x 30 mm
Wire Feeding Speed	1 - 21.5 m/dk.	1 - 18 m/dk.
Trigger Control	2 / 4	2 / 4
Spool Capacity	maks. 15 kg	maks. 5 kg

Standard Accessories

Workpiece Clamp and Cable	7905212503 (25 mm ² - 3 m)
Gas Hose	7907000002 (2 m)
Torch*	7120015003

Optional Accessories

Lava MIG 25 (3 m) Air Cooled MIG Torch	7120020003
Gas Regulator (CO ₂)	7020001005
Gas Regulator (Mix)	7020001004
CO ₂ Heater (220V)	7020009002
Spool Gun	7121018006
MIG / MAG CO ₂ Accessory Set*	7920000510
MIG/MAG Mix/Argon Accessory Set*	7920000515

* Should be verified during ordering.



Spool Gun



MIG/MAG Torch



Regulator



CO₂ Heater

Industrial Inverter MIG / MAG Welding Machines

ID 300M

Synergic Inverter Technology for Production



Steels
Stainless Steels
Aluminium Alloys
Copper Alloys
Nickel Alloys



- Operates with 3 Phase 400V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Excellent welding characteristics with all types of solid and flux cored wires with CO₂ or Mix gases.
- 3 Operating Modes; Synergic, Intelligent, Classic. With these options a welder can adapt from conventional to synergic welding easily.
- ONE LCD for ALL parameter selection; Trigger mode(2/4), Wire type, wire diameter, gas type and thickness of the base metal for Synergic Welding and Soft Start, Pre-Gas, Post-Gas, Burn-Back, Crater Filling timer settings as GENERAL SETTINGS.
- Industry 4.0 features such as; OEE, Arc-On Time reporting, WP setting/controlling/reporting, Barcode and RF Card reading. (Optional)
- 4 Wheel Drive system, offers very powerful feedability for longer torches and offers less deformation on soft wires such as aluminum and flux cored wires.
- The Separate wire feeder standard harness length is 5 m and can be extended up to 30 m upon request.
- Manual wire feeding & gas valve buttons are inside of the wire feeding cabinet.
- ø300 mm, ø270 mm and ø200 mm diameter spools and drums of any size can be used.
- 24V AC outlet for CO₂ gas heater.
- Stable welding current without loss of performance in case of electric line fluctuations or usage with long welding and electrical cables.
- Built in gas cylinder platform with large wheels to ease mobility in workshops.
- Fan cooling and thermal protection against overheating.
- Water cooling unit for water cooled torches provides powerful cooling even at very hot climates. (Water-cooled (W) models)
- Standard accessories come with the machine.

Standard	ID 300M
Mains Voltage (3-phase)	400 V - 50/60 Hz
Rated Power	15.1 kVA (%40)
Welding Current Range	50 - 300 ADC
Rated Welding Current	300 ADC (%40)
Maximum Open Circuit Voltage	62 VDC
Dimensions (l x w x h)	1075 x 531 x 1334 mm
Weight	93,5 kg
Protection Class	IP 21

Wire Feed System	
Wire Diameter Range	0.60 - 1.20 mm
Standard Wire Rollers	0.80 / 1.00 mm
Roller Diameter	4 x 37 mm
Wire Feeding Speed	1 - 21.5 m/dk.
Trigger Control	2 / 4
Spool Capacity	maks. 20 kg
Dimensions (l x w x h)	660 x 315 x 443 mm
Weight	21.5 kg

Standard Accessories	
Workpiece Clamp and Cable	7905203505(35 mm ² -5 m)
Gas Hose	7907000002 (2 m)
Torch*	7120035003

Optional Accessories	
CO ₂ Heater (24 V)	7020009003
Gas Regulator (CO ₂)	7020001005
Gas Regulator (Mix)	7020001004
Lava MIG 40 (3 m) Air Cooled MIG Torch	7120040003
MIG / MAG CO ₂ Accessory Set*	7920000531
MIG/MAG Mix/Argon Accessory Set*	7920000535
* Should be verified during ordering.	

Industrial Synergic Inverter-Pulse MIG / MAG Welding Machines

ID Smart Series **NEW**

Synergic Inverter-Pulse Technology for Production



Steels
Stainless Steels
Aluminium Alloys
Copper Alloys
Nickel Alloys



ID 300MK Pulse Smart

ID 400MKW Pulse Smart

ID 500MW Pulse Smart

Optional
5 kg (D200) Spool Case

- Operates with 3 Phase 400V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- Excellent welding characteristics with all types of solid and flux cored wires with CO₂ or Mix gases.
- Multi process welding; MIG/MAG, Stick Electrode, Carbon Gauging and TIG welding.
- No Spatter welding due to advanced electronically optimized inductance and pulsing functions. Excellent welding characteristics for all methods.
- 3 Operating Modes; Synergic, Intelligent, Classic. With these options a welder can adapt from conventional to synergic welding easily.
- Wire type, wire diameter, gas type and thickness of the base metal for Synergic Welding and **Soft Start, Pre-Gas, Post-Gas, Burn-Back, Crater Filling** timer settings as general settings.
- Smart model is designed with a membrane button - led combination panel inside the wire-feeder cabinet for easy selection of synergic parameters such as; wire type, wire diameter, gas type and welding method.
- 3 different job in Smart series
- Trigger mode selection from torch.
- Industry 4.0 features such as; OEE, Arc-On Time reporting, WP setting/controlling/reporting, Barcode and RF Card reading. (Optional)
- 4 Wheel Drive system, offers very powerful feedability for longer torches and offers less deformation on soft wires such as aluminum and flux cored wires.
- The Separate wire feeder standard harness length is 5 m and can be extended up to 30 m upon request.
- Manual wire feeding & gas valve buttons are inside of the wire feeding cabinet.
- ø300 mm, ø270 mm and ø200 mm diameter spools and drums of any size can be used.
- 24V AC outlet for CO₂ gas heater.
- Stable welding current without loss of performance due to electric line fluctuations or with long welding and electrical cables.
- Built in gas cylinder platform with large wheels to ease mobility in workshops.
- Intelligent control of temperature reduces energy consumption and extends the fan and machine life. (SmartFan)
- Water cooling unit for water cooled torches provides powerful cooling even at very hot climates. (Water-cooled (W) models)
- Standard accessories come with the machine.



EN 60974-1

EN 60974 -10

RoHS

Standard		ID 400M Smart		ID 500M Smart
Pulsed	ID 300MK Pulse	ID 400MK Pulse Smart	ID 400M Pulse Smart	ID 500M Pulse Smart
Standard Water Cooled			ID 400MW Smart	ID 500MW Smart
Pulsed Water Cooled	ID 300MKW Pulse Smart	ID 400MKW Pulse Smart	ID 400MW Pulse Smart	ID 500MW Pulse Smart
Mains Voltage (3-phase)	400 V - 50/60 Hz	400 V - 50/60 Hz	400 V - 50/60 Hz	400 V - 50/60 Hz
Rated Power	14.7 kVA (%40)	22.1 kVA (%40)	22.6 kVA(%40)	32.7 kVA (%40)
Welding Current Range	50 - 300 A DC	50 - 400 A DC	50 - 400 ADC	50 - 500 ADC
Rated Welding Current	300 ADC (%40)	400 ADC (%40)	400 ADC (%40)	500 ADC (%40)
Maximum Open Circuit Voltage	82 VDC	82 VDC	82 VDC	82 VDC
Dimensions (l x w x h)	1078 x 528 x 962 mm	1078 x 528 x 962 mm	1170 x 528 x 1348 mm	1170 x 528 x 1348 mm
Weight	Air Cooled	86 kg	103.5 kg	103.5 kg
	Water Cooled	110 kg	113.5 kg	113.5 kg
Protection Class	IP 21	IP 21	IP 21	IP 21

Wire Feed System

Wire Diameter Range	0.60 - 1.20 mm	0.80 - 1.60 mm	0.80 - 1.60 mm	0.80 - 2.40 mm
Standard Wire Rollers	0.80 / 1.00 mm	1.00 / 1.20 mm	1.00 / 1.20 mm	1.00 / 1.20 mm
Roller Diameter	4 x 37 mm	4 x 37 mm	4 x 37 mm	4 x 37 mm
Wire Feeding Speed	1 - 24 m/min.	1 - 24 m/min.	1 - 24 m/min.	1 - 24 m/min.
Trigger Control	2 / 4 - 3 Job	2 / 4 - 3 Job	2 / 4 - 3 Job	2 / 4 - 3 Job
Spool Capacity	max. 20kg	max. 20kg	max. 20kg	max. 20kg
Dimensions (l x w x h)	-	-	660 x 315 x 443 mm	660 x 315 x 443 mm
Weight	-	-	23.7 kg	23.7 kg

Cooling System

Cooling Capacity	1.02 kW	1.02 kW	1.02 kW	1.02 kW
Rated Current	0.95 A	0.95 A	0.95 A	0.95 A
Dimensions (l x w x h)	733x293x300 mm	733x293x300 mm	733x293x300 mm	733x293x300 mm
Weight	23,5 kg	23,5 kg	23,5 kg	23,5 kg

Standard Accessories

Workpiece Clamp and Cable	7905203505 (35 mm ² -5 m)	7905305005 (50mm ² -5m)	7905305005 (50mm ² -5m)	7905509505(95mm ² -5m)
Gas Hose	7907000002 (2 m)	7907000002 (2 m)	7907000002 (2 m)	7907000002 (2 m)
Torch*	7120035003/7120050003	7120040003/7120050003	7120040003/7120050003	7120040003/7120050003

Optional Accessories

CO ₂ Heater (24 V)	7020009003	7020009003	7020009003	7020009003
Gas Regulator (CO ₂)	7020001005	7020001005	7020001005	7020001005
Gas Regulator (Mix)	7020001004	7020001004	7020001004	7020001004
Lava MIG 50W Water Cooled MIG Torch (3 m)	7120050003	7120050003	7120050003	7120050003
Lava MIG 65W Water Cooled MIG Torch (3 m)	-	-	-	7120160003
MIG / MAG CO ₂ Accessory Set*	7920000531/7920000551	7920000541/7920000551	7920000541/7920000551	7920000541/7920000551
MIG/MAG Mix/Argon Accessory Set*	7920000535 / 7920000555	7920000545 / 7920000555	7920000545 / 7920000555	7920000545 / 7920000555

* Should be verified during ordering.



Industrial Synergic Inverter-Pulse MIG / MAG Welding Machines

ID Expert Series **NEW**

Synergic Inverter-Pulse Technology for Production



Steels
Stainless Steels
Aluminium Alloys
Copper Alloys
Nickel Alloys



ID 400MK Pulse Expert

ID 400MKW Pulse Expert

ID 500MW Pulse Expert

- Operates with 3 Phase 400V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- Excellent welding characteristics with all types of solid and flux cored wires with CO₂ or Mix gases.
- Multi process welding; MIG/MAG, Stick Electrode, Carbon Gauging and TIG welding.
- No Spatter welding due to advanced electronically optimized inductance and pulsing functions. Excellent welding characteristics for all methods.
- 3 Operating Modes; Synergic, Intelligent, Classic. With these options a welder can adapt from conventional to synergic welding easily.
- Wire type, wire diameter, gas type and thickness of the base metal for Synergic Welding and Soft Start, Pre-Gas, Post-Gas, Burn-Back, Crater Filling timer settings as general settings.
- Expert model has advanced features such as 6 Trigger Mode, Double Pulse and LCD panel to select all necessary parameters through the menus.
- 100 Different job in Expert series
- Trigger mode selection from torch.
- Industry 4.0 features such as; OEE, Arc-On Time reporting, WP setting/controlling/reporting, Barcode and RF Card reading. (Optional)
- 4 Wheel Drive system, offers very powerful feedability for longer torches and offers less deformation on soft wires such as aluminum and flux cored wires.
- The Separate wire feeder standard harness length is 5 m and can be extended up to 30 m upon request.
- Manual wire feeding & gas valve buttons are inside of the wire feeding cabinet.
- ø300 mm, ø270 mm and ø200 mm diameter spools and drums of any size can be used.
- 24V AC outlet for CO₂ gas heater.
- Stable welding current without loss of performance due to electric line fluctuations or with long welding and electrical cables.
- Built in gas cylinder platform with large wheels to ease mobility in workshops.
- Intelligent control of temperature reduces energy consumption and extends the fan and machine life. (SmartFan)
- Water cooling unit for water cooled torches provides powerful cooling even at very hot climates. (Water-cooled (W) models)
- Standard accessories come with the machine.



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RoHS

Pulsed		ID 400MK Pulse Expert	ID 400M Pulse Expert	ID 500M Pulse Expert
Pulsed Water Cooled		ID 400MKW Pulse Expert	ID 400MW Pulse Expert	ID 500MW Pulse Expert
Mains Voltage (3-phase)		400 V - 50/60 Hz	400 V - 50/60 Hz	400 V - 50/60 Hz
Rated Power		22.1 kVA (%40)	22.6 kVA(%40)	32.7 kVA (%40)
Welding Current Range		50 - 400 A DC	50 - 400 ADC	50 - 500 ADC
Rated Welding Current		400 ADC (%40)	400 ADC (%40)	500 ADC (%40)
Maximum Open Circuit Voltage		82 VDC	82 VDC	82 VDC
Dimensions (l x w x h)		1078 x 528 x 962 mm	1170 x 528 x 1348 mm	1170 x 528 x 1348 mm
Weight	Air Cooled	86 kg	103.5 kg	103.5 kg
	Water Cooled	110 kg	113.5 kg	113.5 kg
Protection Class		IP 21	IP 21	IP 21
Wire Feed System				
Wire Diameter Range		0.80 - 1.60 mm	0.80 - 1.60 mm	0.80 - 2.40 mm
Standard Wire Rollers		1.00 / 1.20 mm	1.00 / 1.20 mm	1.00 / 1.20 mm
Roller Diameter		4 x 37 mm	4 x 37 mm	4 x 37 mm
Wire Feeding Speed		1 - 24 m/min.	1 - 24 m/min.	1 - 24 m/min.
Trigger Control		2 / 4 / 6 - 100 Job	2 / 4 / 6 - 100 Job	2 / 4 / 6 - 100 Job
Spool Capacity		max. 20kg	max. 20kg	max. 20kg
Dimensions (l x w x h)		-	660 x 315 x 443 mm	660 x 315 x 443 mm
Weight		-	23.7 kg	23.7 kg
Cooling System				
Cooling Capacity		1.02 kW	1.02 kW	1.02 kW
Rated Current		0.95 A	0.95 A	0.95 A
Dimensions (l x w x h)		733x293x300 mm	733x293x300 mm	733x293x300 mm
Weight		23,5 kg	23,5 kg	23,5 kg
Standard Accessories				
Workpiece Clamp and Cable		7905305005(50mm ² -5m)	7905305005 (50mm ² -5m)	7905509505(95mm ² -5m)
Gas Hose		7907000002 (2 m)	7907000002 (2 m)	7907000002 (2 m)
Torch*		7120040003/7120050003	7120040003/7120050003	7120040003/7120050003
Optional Accessories				
CO ₂ Heater (24 V)		7020009003	7020009003	7020009003
Gas Regulator (CO ₂)		7020001005	7020001005	7020001005
Gas Regulator (Mix)		7020001004	7020001004	7020001004
Lava MIG 50W Water Cooled MIG Torch (3 m)		7120050003	7120050003	7120050003
Lava MIG 65W Water Cooled MIG Torch (3 m)		-	-	7120160003
MIG / MAG CO ₂ Accessory Set*		7920000541/7920000551	7920000541/7920000551	7920000541/7920000551
MIG/MAG Mix/Argon Accessory Set*		7920000545 / 7920000555	7920000545 / 7920000555	7920000545 / 7920000555
* Should be verified during ordering.				



Industrial Synergic Inverter-Pulse MIG / MAG Welding Machines

ID Robotic Series **NEW**

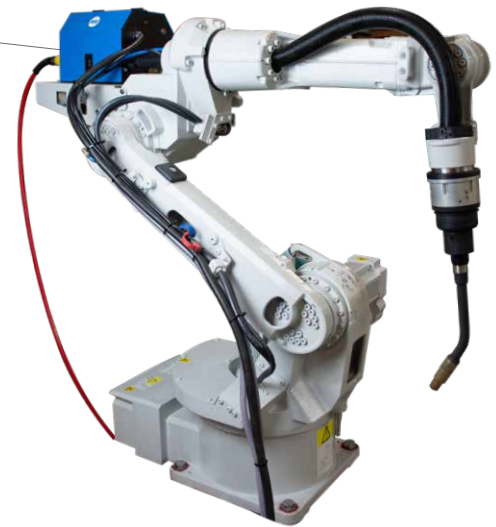
Synergic Inverter-Pulse Technology for Production



Steels
Stainless Steels
Aluminium Alloys
Copper Alloys
Nickel Alloys



Robotic Wire Feeder
compatible with
ID 500MWR



- Operates with 3 Phase 400V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- Excellent welding characteristics with all types of solid and flux cored wires with CO₂ or Mix
- Multi process welding; MIG/MAG, Stick Electrode, Carbon Gauging and TIG welding.
- No Spatter welding due to advanced electronically optimized inductance and pulsing functions. Excellent welding characteristics for all methods.
- The ID 500MWR can be connected to any brand of robot that shares data packet.
- It integrates quickly and easily into robot arms with its powerful and light robotic wire feeder.
- 3 Operating Modes; Synergic, Intelligent, Classic. With these options a welder can adapt from conventional to synergic welding easily.
- Wire type, wire diameter, gas type and thickness of the base metal for Synergic Welding and Soft Start, Pre-Gas, Post-Gas, Burn-Back, Crater Filling timer settings as general settings.
- It has advanced features such as 6 Trigger Mode, Double Pulse and LCD panel to select all necessary parameters through the menus.
- 4 Wheel Drive system, offers very powerful feedability for longer torches and offers less deformation on soft wires such as aluminum and flux cored wires.
- Manual wire feeding & gas valve buttons are inside of the wire feeding cabinet.
- ø300 mm, ø270 mm and ø200 mm diameter spools and drums of any size can be used.
- 24V AC outlet for CO₂ gas heater.
- Industry 4.0 features such as; OEE, Arc-On Time reporting, WP setting/controlling/reporting, Barcode and RF Card reading. (Optional)
- Stable welding current without loss of performance due to electric line fluctuations or with long welding and electrical cables.
- Intelligent control of temperature reduces energy consumption and extends the fan and machine life. (SmartFan)

ID 500MWR Pulse Expert		
Mains Voltage (3-phase)		400 V - 50/60 Hz
Rated Power		30.8 kVA (%40)
Welding Current Range		50 - 500 ADC
Rated Welding Current		500 ADC (%40)
Maximum Open Circuit Voltage		82 VDC
Dimensions (l x w x h)		1078 x 528 x 962 mm
Weight	Air Cooled	88 kg
	Water Cooled	112 kg
Protection Class		IP 21

Wire Feed System

Wire Diameter Range		0.80 - 2.40 mm
Standard Wire Rollers		1.00 / 1.20 mm
Roller Diameter		4 x 37 mm
Wire Feeding Speed		1 - 24 m/min.
Trigger Control		2 / 4 / 6 - 100 Job
Spool Capacity		max. 20kg
Dimensions (l x w x h)		277x 218 x 198 mm
Weight		6 kg

Cooling System

Cooling Capacity		1.02 kW
Rated Current		0.95 A
Dimensions (l x w x h)		733x293x300 mm
Weight		23,5 kg



Smart Step Controlled Industrial MIG/MAG Welding Machines

RS Pro Series

Step Transformer-Rectifier Technology
with Advanced Functions



Steels
Stainless Steels
Aluminium Alloys
Copper Alloys



New
"Smart Mode"
Functions

- Operates with 3 Phase 400V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Excellent welding characteristics with all types of solid and flux cored wires with CO₂ or Mix gases.
- Intelligent control of temperature reduces energy consumption and extends the fan and machine life. (SmartFan)
- Sleep Mode to save energy if there is no activity in 7 minutes.
- Powerful Digital Displays are closer to the welder.
- 4 roll drive system provides good feedability especially with long torches and soft wires such as aluminum and flux cored wires are conveyed without any deformation.
- The Separate wire feeder standard harness length is 5 m and can be extended up to 30 m upon request.
- Optimum welding parameters can be obtained from the printed table inside of the wire feed cover.
- Wire feed speed adjustment, 2/4 trigger selection, **Soft Start, Pre-Gas, Post-Gas, Burn-Back** timer adjustments are through the red knob and membrane switch (M) on the wire feeding panel. During welding, voltage and current are monitored on digital displays.
- Welding voltage is adjusted from the coarse and fine switches; increments are optimized to obtain welding parameters with lowest spatter levels.
- Manual wire feeding & gas valve buttons are in the wire feeding cabinet.
- Ø300 mm, Ø270 mm and Ø200 mm spools and drums of any size can be used.
- 24V AC outlet for CO₂ gas heater.
- Multiple workpiece connections (Inductance outlets) enables optimum parameter adjustment for low spatter welding.
- Built in gas cylinder platform with large wheels to ease mobility in workshops.
- Water cooling unit for water cooled torches provides powerful cooling even at very hot climates. (Water-cooled (W) models)
- Standard accessories come with the machine.



EN 60974-1

EN 60974-10

RoHS

Compact Separate Wire Feeder Water Cooled		RS 350MK Pro RS 350M Pro RS 350MW Pro	RS 450M Pro RS 450MW Pro	RS 550M Pro RS 550MW Pro
Mains Voltage (3-phase)		400 V - 50/60 Hz	400 V - 50/60 Hz	400 V - 50/60 Hz
Rated Power		15.8 kVA (%40)	22.6 kVA (%50)	31.7 kVA (%50)
Welding Current Range		60 - 350 ADC	85 - 450 ADC	95 - 550 ADC
Rated Welding Current		350 ADC (%40)	450 ADC (%50)	550 ADC (%50)
Maximum Open Circuit Voltage		20 - 52 VDC	20 - 57 VDC	21 - 58 VDC
Voltage Adjustment and Number of Levels		3 x 7	3 x 10	3 x 10
Dimensions (l x w x h)	Compact	876 x 505 x 939 mm	-	-
	Separate Wire Feeder	1008 x 592 x 1220 mm	1008 x 592 x 1220 mm	1008 x 592 x 1220 mm
	Water Cooled	1008 x 592 x 1443 mm	1008 x 592 x 1443 mm	1008 x 592 x 1443 mm
Weight	Compact	123 kg	-	-
	Separate Wire Feeder	145.5 kg	225 kg	252.5 kg
	Water Cooled	177 kg	256.5 kg	284 kg
Protection Class		IP 21	IP 21	IP 21

Wire Feed System

Wire Diameter Range	0.60 - 1.20 mm	0.80 - 2.00 mm	0.80 - 2.40 mm
Standard Wire Rollers	1.00 / 1.20 mm	1.00 / 1.20 mm	1.00 / 1.20 mm
Roller Diameter	4 x 37 mm	4 x 37 mm	4 x 37 mm
Wire Feeding Speed	1 - 21.5 m/mib.	1 - 21.5 m/min.	1 - 21.5 m/min.
Trigger Control	2 / 4	2 / 4	2 / 4
Spool Capacity	max. 20 kg	max. 20 kg	max. 20 kg
Dimensions (l x w x h)	660 x 315 x 443 mm	660 x 315 x 443 mm	660 x 315 x 443 mm
Weight	21 kg	23.5 kg	26.5 kg

Cooling System

Cooling Capacity	1 kW	1 kW	1 kW
Rated Current	1.33 A	1.33 A	1.33 A
Dimensions (l x w x h)	767x330x444 mm	767x330x444 mm	767x330x444 mm
Weight	32 kg	32 kg	32 kg

Standard Accessories

Workpiece Clamp and Cable	Compact	7905203503 (35 mm ² - 3 m)	7905407003 (70 mm ² - 3 m)	7905509503(95mm ² -3m)
	Separate Wire Feeder	7905203505 (35 mm ² - 5 m)	7905407005 (70 mm ² - 5 m)	7905509505(95mm ² -5m)
Gas Hose		7907000002 (2 m)	7907000002 (2 m)	7907000002 (2 m)
Torch*		7120035003/7120050003	7120040003/7120050003	7120040003/7120050003

Optional Accessories

CO ₂ Heater (24V)	7020009003	7020009003	7020009003
Gas Regulator (CO ₂)	7020001005	7020001005	7020001005
Gas Regulator (Mix)	7020001004	7020001004	7020001004
Lava MIG 35 (3 m) Air Cooled MIG Torch	7120035003	7120035003	-
Lava MIG 40 (3 m) Air Cooled MIG Torch	7120040003	7120040003	7120040003
Lava MIG 50W (3 m) Water Cooled MIG Torch	7120050003	7120050003	7120050003
MIG / MAG CO ₂ Accessory Set*	7920000531/7920000551	7920000541/ 7920000551	7920000541/7920000551
MIG/MAG Mix/Argon Accessory Set*	7920000535/7920000555	7920000545/7920000555	7920000545/7920000555

* Should be verified during ordering.

Classical Step Controlled Industrial MIG / MAG Welding Machines

RS Series

Step Transformer - Rectifier Technology



Steels
Stainless Steels
Aluminium Alloys
Copper Alloys
Nickel Alloys



Optional Open Case



Optional 5 kg (D200)
Spool Case

- Operates with 3 Phase 400V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Excellent welding characteristics with all types of solid and flux cored wires with CO₂ or Mix gases.
- 4 roll drive system provides good feedability especially with long torches and soft wires such as aluminum and flux cored wires are conveyed without any deformation.
- The Separate wire feeder standard harness length is 5 m and can be extended up to 30 m upon request.
- Optimum welding parameters can be obtained from the printed table inside of the wire feed cover.
- Wire feed speed and 2/4 trigger adjustments are on the front panel, **Soft Start, Pre-Gas, Post-Gas, Burn-Back** timer settings, manual wire feeding & gas valve buttons are inside of the wire feeding cabinet.
- Welding voltage is adjusted from the course and fine switches; increments are optimized to obtain welding parameters with lowest spatter levels.
- Digital displays on the power source for adjusting and monitoring of welding parameters.
- Multiple workpiece connections (Inductance outlets) enables optimum parameter adjustment for low spatter welding.
- Ø300 mm, Ø270 mm and Ø200 mm spools and drums of any size can be used.
- 220V AC outlet for CO₂ gas heater.
- Built in gas cylinder platform with large wheels to ease mobility in workshops.
- Fan cooling and thermal protection against overheating.
- Water cooling unit for water cooled torches provides powerful cooling even at very hot climates. (Water-cooled (W) models)
- Standard accessories come with the machine.

Compact Separate Wire Feeder		RS 200MK	RS 250MK RS 250M
Mains Voltage (3-phase)		400 V - 50/60 Hz	400 V - 50/60 Hz
Rated Power		8.3 kVA (%23)	10 kVA (%40)
Welding Current Range		40 - 240 ADC	57 - 250 ADC
Rated Welding Current		240 ADC (%23)	250 ADC (%40)
Maximum Open Circuit Voltage		17 - 36 VDC	19.7 - 51 VDC
Voltage Adjustment and Number of Levels		2 x 7	3 x 7
Dimensions	Compact	890 x 460 x 950 mm	890 x 460 x 950 mm
	(l x w x h)	-	865 x 510 x 780 mm
Weight	Compact	101 kg	105 kg
	Separate Wire Feeder	-	101 kg
Protection Class		IP 21	IP 21

Wire Feed System			
Wire Diameter Range		0.60 - 1.00 mm	0.60 - 1.20 mm
Standard Wire Rollers		0.80 / 1.00 mm	0.80 / 1.00 mm
Roller Diameter		4 x 37 mm	4 x 37 mm
Wire Feeding Speed		1 - 21.5 m/min.	1 - 21.5 m/min.
Trigger Control		2 / 4	2 / 4
Spool Capacity		max. 15 kg	max. 20 kg
Dimensions (l x w x h)		-	560 x 225 x 450 mm
Weight		-	31 kg

Standard Accessories			
Workpiece Clamp and Cable	Compact	7905212503 (25 mm ² - 3 m)	7905212503 (25 mm ² - 3 m)
	Separate Wire Feeder	-	7905212505 (25 mm ² - 5 m)
Gas Hose		7907000002 (2 m)	7907000002 (2 m)
Torch*		7120015003	7120025003

Optional Accessories			
CO ₂ Heater (220V)		7020009002	7020009002
Gas Regulator (CO ₂)			7020001005
Gas Regulator (Mix)			7020001004
Lava MIG 25 (3 m) Air Cooled MIG Torch		7120025003	7120025003
Lava MIG 35 (3 m) Air Cooled MIG Torch		-	7120035003
MIG / MAG CO ₂ Accessory Set*		7920000510	7920000520
MIG/MAG Mix/Argon Accessory Set*		7920000515	7920000525
* Should be verified during ordering.			

Compact Separate Wire Feeder Water Cooled		RS 300MK RS 300M	RS 350MK RS 350M RS 350MW
Mains Voltage (3-phase)		400 V - 50/60 Hz	400 V - 50/60 Hz
Rated Power		13.8 kVA (%40)	17.3 kVA (%40)
Welding Current Range		40 - 300 ADC	60 - 350 ADC
Rated Welding Current		300 ADC (%40)	350 ADC (%40)
Maximum Open Circuit Voltage		19 - 44 VDC	19.7- 51 VDC
Voltage Adjustment and Number of Levels		3 x 7	3 x 7
Dimensions (l x w x h)	Compact	890 x 460 x 950 mm	876 x 505 x 939 mm
	Separate Wire Feeder	865 x 510 x 780 mm	1008 x 592 x 1220 mm
	Water Cooled	-	1008 x 592 x 1443 mm
Weight	Compact	112 kg	123 kg
	Separate Wire Feeder	101 kg	145.5 kg
	Water Cooled	-	177 kg
Protection Class		IP 21	IP 21

Wire Feed System			
Wire Diameter Range		0.60 - 1.20 mm	0.60 - 1.20 mm
Standard Wire Rollers		0.80 / 1.00 mm	1.00 / 1.20 mm
Roller Diameter		4 x 37 mm	4 x 37 mm
Wire Feeding Speed		1 - 21.5 m/min.	1 - 21.5 m/min.
Trigger Control		2 / 4	2 / 4
Spool Capacity		max. 20 kg	max. 20 kg
Dimensions (l x w x h)		560 x 225 x 450 mm	560 x 225 x 450 mm
Weight		31 kg	31 kg

Cooling System			
Cooling Capacity		-	1 kW
Rated Current		-	1.33 A
Dimensions (l x w x h)		-	767 x 330 x 444 mm
Weight		-	32 kg

Standard Accessories			
Workpiece Clamp and Cable	Compact	7905212503 (25 mm ² - 3 m)	7905203503 (35 mm ² - 3 m)
	Separate Wire Feeder	7905212505 (25 mm ² - 5 m)	7905203505 (35 mm ² - 5 m)
Gas Hose		7907000002 (2 m)	7907000002 (2 m)
Torch*		7120035003	7120035003/7120050003

Optional Accessories			
CO ₂ Heater (220V)		7020009002	7020009002
Gas Regulator (CO ₂)		7020001005	
Gas Regulator (Mix)		7020001004	
Lava MIG 25 (3 m) Air Cooled MIG Torch		-	-
Lava MIG 35 (3 m) Air Cooled MIG Torch		7120035003	7120035003
Lava MIG 40 (3 m) Air Cooled MIG Torch		-	7120040003
Lava MIG 50W (3 m) Water Cooled MIG Torch		-	7120050003
MIG / MAG CO ₂ Accessory Set*		7920000530	7920000530 / 7920000550
MIG/MAG Mix/Argon Accessory Set*		7920000535	7920000535 / 7920000555
* Should be verified during ordering.			

Compact Separate Wire Feeder Water Cooled		RS 400MK RS 400M RS 400MW	RS 500M RS 500MW
Mains Voltage (3-phase)		400 V - 50/60 Hz	400 V - 50/60 Hz
Rated Power		19.4 kVA (%50)	28.3 kVA (%40)
Welding Current Range		45 - 400 ADC	45 - 500 ADC
Rated Welding Current		400 ADC (%50)	500 ADC (%40)
Maximum Open Circuit Voltage		20 - 48 VDC	19 - 53 VDC
Voltage Adjustment and Number of Levels		4 x 7	3 x 10
Dimensions (l x w x h)	Compact	890 x 460 x 950 mm	-
	Separate Wire Feeder	1020 x 590 x 1290mm	1020 x 590 x 1290mm
	Water Cooled	1020 x 590 x 1515 mm	1020 x 590 x 1515 mm
Weight	Compact	121 kg	-
	Separate Wire Feeder	134 kg	195 kg
	Water Cooled	155 kg	215 kg
Protection Class		IP 21	IP 21

Wire Feed System

Wire Diameter Range	0.80 - 1.60 mm	0.80 - 2.40 mm
Standard Wire Rollers	1.00 / 1.20 mm	1.00 / 1.20 mm
Roller Diameter	4 x 37 mm	4 x 37 mm
Wire Feeding Speed	1 - 21.5 m/min.	1 - 21.5 m/min.
Trigger Control	2 / 4	2 / 4
Spool Capacity	max. 20 kg	max. 20 kg
Dimensions (l x w x h)	560 x 225 x 450 mm	560 x 225 x 450 mm
Weight	31 kg	31 kg

Cooling System

Cooling Capacity	1 kW	1 kW
Rated Current	1.33 A	1.33 A
Dimensions (l x w x h)	767 x 330 x 444 mm	767 x 330 x 444 mm
Weight	32 kg	32 kg

Standard Accessories

Workpiece Clamp and Cable	Compact	7905203503 (35 mm ² - 3 m)	7905407003 (70 mm ² - 3 m)
	Separate Wire Feeder	7905203505 (35 mm ² - 5 m)	7905407005 (70 mm ² - 5 m)
Gas Hose		7907000002 (2 m)	7907000002 (2 m)
Torch*		7120035003/7120050003	7120040003/7120050003

Optional Accessories

CO ₂ Heater (220V)	7020009002	7020009002
Gas Regulator (CO ₂)		7020001005
Gas Regulator (Mix)		7020001004
Lava MIG 25 (3 m) Air Cooled MIG Torch	-	-
Lava MIG 35 (3 m) Air Cooled MIG Torch	7120035003	-
Lava MIG 40 (3 m) Air Cooled MIG Torch	7120040003	7120040003
Lava MIG 50W (3 m) Water Cooled MIG Torch	7120050003	7120050003
MIG / MAG CO ₂ Accessory Set*	7920000530 / 7920000550	7920000540 / 7920000550
MIG/MAG Mix/Argon Accessory Set*	7920000535 / 7920000555	7920000545 / 7920000555

* Should be verified during ordering.

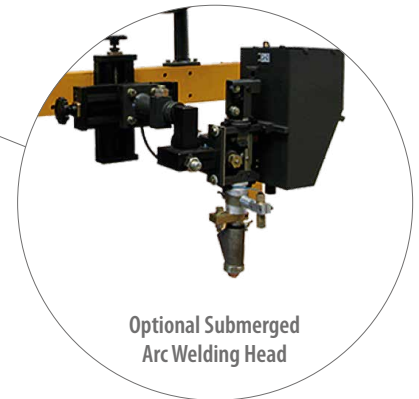
Industrial Thyristor Controlled MIG / MAG Welding Machines

RD 650MW

Thyristor Technology for Heavy Industries



Steels
Stainless Steels
Aluminium Alloys
Copper Alloys
Nickel Alloys



Optional Submerged
Arc Welding Head

- Operates with 3 Phase 400V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Excellent welding characteristics with all types of solid and flux cored wires with CO₂ or Mix gases.
- Up to 2.8 mm wire diameter can be used with Flux Cored and Subarc welding processes.
- The Separate wire feeder standard harness length is 5 m and can be extended up to 30 m upon request.
- 4 roll drive system provides good feedability especially with long torches and soft wires such as aluminum and flux cored wires are conveyed without any deformation.
- Welding Voltage, Wire Speed, **Soft Start, Pre-Gas, Post-Gas, Burn-Back** timers and **2/4 trigger** are set on the front panel of the wire feeder.
- Optimum welding parameters can be obtained from the printed table inside of the wire feed cover.
- Digital displays on the wire feeder for adjusting and monitoring welding parameters.
- Manual wire feeding & gas valve buttons are inside of the wire feeding cabinet.
- Multiple workpiece connections (Inductance outlets) enables optimum parameter adjustment for low spatter welding.
- Ø300 mm, Ø270 mm and Ø200 mm spools and drums of any size can be used.
- 220V AC outlet for CO₂ gas heater.
- Multiple workpiece connections (Inductance outlets) enables optimum parameter adjustment for low spatter welding.
- Stable welding current without loss of performance in case of electric line fluctuations or usage with long welding and electrical cables.
- Built in gas cylinder platform with large wheels to ease mobility in workshops.
- Fan cooling and thermal protection against overheating.
- Water cooling unit for water cooled torches provides powerful cooling even at very hot climates.
- Submerged arc welding head can be coupled easily. (Option)
- Standard accessories come with the machine.

RD 650MW	
Mains Voltage (3-phase)	400 V - 50/60 Hz
Rated Power	48.5 kVA (%40)
Welding Current Range	60 - 650 ADC
Rated Welding Current	600 ADC (%40)
Maximum Open Circuit Voltage	20 VDC
Dimensions (l x w x h)	1152 x 645 x 1795 mm
Weight	235 kg
Protection Class	IP 21

Wire Feed System	
Wire Diameter Range	1.00 - 2.80 mm
Standard Wire Rollers	1.20 / 1.60 mm
Roller Diameter	4 x 37 mm
Wire Feeding Speed	1 - 21.5 m/min.
Trigger Control	2 / 4
Spool Capacity	max. 20 kg
Dimensions (l x w x h)	574 x 230 x 500 mm
Weight	27 kg

Cooling System	
Cooling Capacity	1 kW
Rated Current	1.33 A
Dimensions (l x w x h)	767 x 330 x 444 mm
Weight	32 kg

Standard Accessories	
Workpiece Clamp and Cable	7905509505 (95 mm ² - 5 m)
Gas Hose	7907000002 (2 m)
Torch*	7120050003

Optional Accessories	
CO ₂ Heater (220V)	7020009002
Gas Regulator (CO ₂)	7020001005
Gas Regulator (Mix)	7020001004
Lava MIG 50W (3 m) Water Cooled MIG Torch	7120050003
Lava MIG 65W (3 m) Water Cooled MIG Torch	7120160003
Submerged Arc Welding Head	-
MIG / MAG CO ₂ Accessory Set*	7920000550
MIG/MAG Mix/Argon Accessory Set*	7920000555

* Should be verified during ordering.

Product Codes



	Compact	Separate Wire Feeding Unit (5 m)	Separate Wire Feeding Unit (10 m)	Separate Wire Feeding Unit (15 m)	Separate Wire Feeding Unit (20 m)	Wire Feeding Unit Type
megaMIG	521M0200M0	-	-	-	-	-
monoMIG 200	521K2000M0	-	-	-	-	-
RS 200	522020AK00	522020A110	522020A120	522020A130	522020A140	Close
RS 250	522025AK00	522025A110	522025A120	522025A130	522025A140	Close
RS 300	522030AK00	522030A110	522030A120	522030A130	522030A140	Close
RS 350	522035AK00	522035A110	522035A120	522035A130	522035A140	Close
RS 350 Water Cooled	522035WK00	522035W110	522035W120	522035W130	522035W140	Close
RS 350 Pro	522P35AK00	522P35A210	522P35A220	522P35A230	522P35A240	Open
RS 350 Pro Water Cooled	522P35WK00	522P35W210	522P35W220	522P35W230	522P35W240	Open
RS 400	522040AK00	522040A110	522040A120	522040A130	522040A140	Close
RS 400 Water Cooled	-	522040W110	522040W120	522040W130	522040W140	Close
RS 450 Pro	-	522P45A210	522P45A220	522P45A230	522P45A240	Open
RS 450 Pro Water Cooled	-	522P45W210	522P45W220	522P45W230	522P45W240	Open
RS 500	-	522050A110	522050A120	522050A130	522050A140	Close
RS 500 Water Cooled	-	522050W110	522050W120	522050W130	522050W140	Close
RS 550 Pro	-	522P55A210	522P55A220	522P55A230	522P55A240	Open
RS 550 Pro Water Cooled	-	522P55W210	522P55W220	522P55W230	522P55W240	Open
RD 650 Water Cooled	-	522T50W110	522T50W120	522T50W130	522T50W140	Close
ID 300	523030AK00	523030A210	523030A220	523030A230	523030A240	Open
ID 300 MK Pulse Smart	523230AK00					
ID 300 MKW Pulse Smart	523230WK00					
ID 400 MK Pulse Smart	523240AK00					
ID 400 MKW Pulse Smart	523240WK00					
ID 400 MK Pulse Expert	523440AK00					
ID 400 MKW Pulse Expert	523440WK00					
ID 400 M Pulse Expert	-	523440A210				Open
ID 400 MW Pulse Expert	-	523440W210				Open
ID 400 M Pulse Smart	-	523240A210				Open
ID 400 MW Pulse Smart	-	523240W210				Open
ID 500 Smart	-	523150A210	523150A220	523150A230	523150A240	Open
ID 500 Pulse Smart	-	523250A210	523250A220	523250A230	523250A240	Open
ID 500 Smart Water Cooled	-	523150W210	523150W220	523150W230	523150W240	Open
ID 500 Pulse Smart Water Cooled	-	523250W210	523250W220	523250W230	523250W240	Open
ID 500 Pulse Expert	-	523450A210	523450A220	523450A230	523450A240	Open
ID 500 Pulse Expert Water Cooled	-	523450W210	523450W220	523450W230	523450W240	Open
ID 500 MWR Expert	523750W210					

* Please contact for optional wire feeder requests.

MIG/MAG Torches and Consumables

50W Control Options		100 - 200 A		250 - 400 A		500 A			
									
		Lava MIG 15	Lava MIG 25	Lava MIG 35	Lava MIG 40	Lava MIG 50W	Lava MIG 65W		
Welding Capacity	CO ₂	150 A (%60)	200 A (%60)	300 A (%60)	340 A (%60)	450 A (%100)	550 A (%100)		
Order Codes	3 m	7120015003	7120020003	7120035003	7120040003	7120050003	7120160003		
	4 m	7120015004	7120020004	7120035004	7120040004	712050004	7120160004		
	5 m	7120015005	7120020005	7120035005	7120040005	712050005	7120160005		
Cooling Type		Air	Air	Air	Air	Water	Double Water		
Consumables									
Nozzle		12 mm	7022001253	7022011253	-	-	-		
		15 mm	-	7022001554	-	7022101575	-		
		16 mm	-	-	7022001684	-	7022001675	7022001675	
		17 mm	-	-	-	-	-	-	
		Adaptör	-	-	-	-	-	-	
Contact Nozzle		Standard	0.60 mm	7023062506 (M6xL25)	7023062806 (M6xL28)		-		
			0.80 mm	7023062508 (M6xL25)	7023062808 (M6xL28)		7023083008 (M8xL30)		
			1.00 mm	7023062510 (M6xL25)	7023062810 (M6xL28)		7023083010 (M8xL30)		
			1.20 mm	7023062512 (M6xL25)	7023062812 (M6xL28)		7023083012 (M8xL30)		
			1.40 mm	-	-		7023083014 (M8xL30)		
			1.60 mm	-	7023062816 (M6xL28)		7023083016 (M8xL30)		
			2.00 mm	-	-		7023083520 (M8xL30)		
			2.40 mm	-	-		7023083524 (M10xL30)		
		Aluminum	1.00 mm	-	7023162810 (M6xL28)		7023183010 (M8xL30)		
			1.20 mm	-	7023162812 (M6xL28)		7023183012 (M8xL30)		
KTM Holder		M6	7026000156	7026000256	7026000356	-	-		
		M8	-	-	7026000358	7026000408	7026000508	-	
		M10	-	-	-	-	-	7026000608	
Gas Distributor		Ceramic	-	7024100024	7024100035	7024100050	7024100050	7024100050	
		Copper	-	7026000246	-	-	-		
Steel Spiral		0.60 mm 0.90 mm	3 m	7025030609					
			4 m	7025040609					
			5 m	-					
		1.00 mm 1.20 mm	3 m	7025031216					
			4 m	7025041012					
			5 m	7025051012					
		1.20 mm 1.60 mm	3 m	7025031216					
			4 m	7025041216					
			5 m	7025051216					
		1.60 mm 2.40 mm	3 m	7025031624					
Teflon Spiral		0.60 mm 0.90 mm	3 m	7025530610					
		1.00 mm 1.20 mm	3 m	7025531012					
		1.60 mm	3 m	7025531216					
Wire Feed Rollers*		RS /ID							
		0.6-0.8 mm	7027000608 / 7027400608						
		0.8-1.0 mm	7027000810 / 7027400810						
		1.0-1.2 mm	7027001012 / 7027401012						
		1.2-1.6 mm	7027001216 / 7027401216						

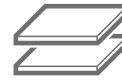
* Used in Magmagweld machines in 2012 models and later. Please contact for previous production and Lorch equipment.

Plasma Cutting Machines

ID 65 PX

ID 65 P

Experience Power and Speed with Magmaweld Plasma

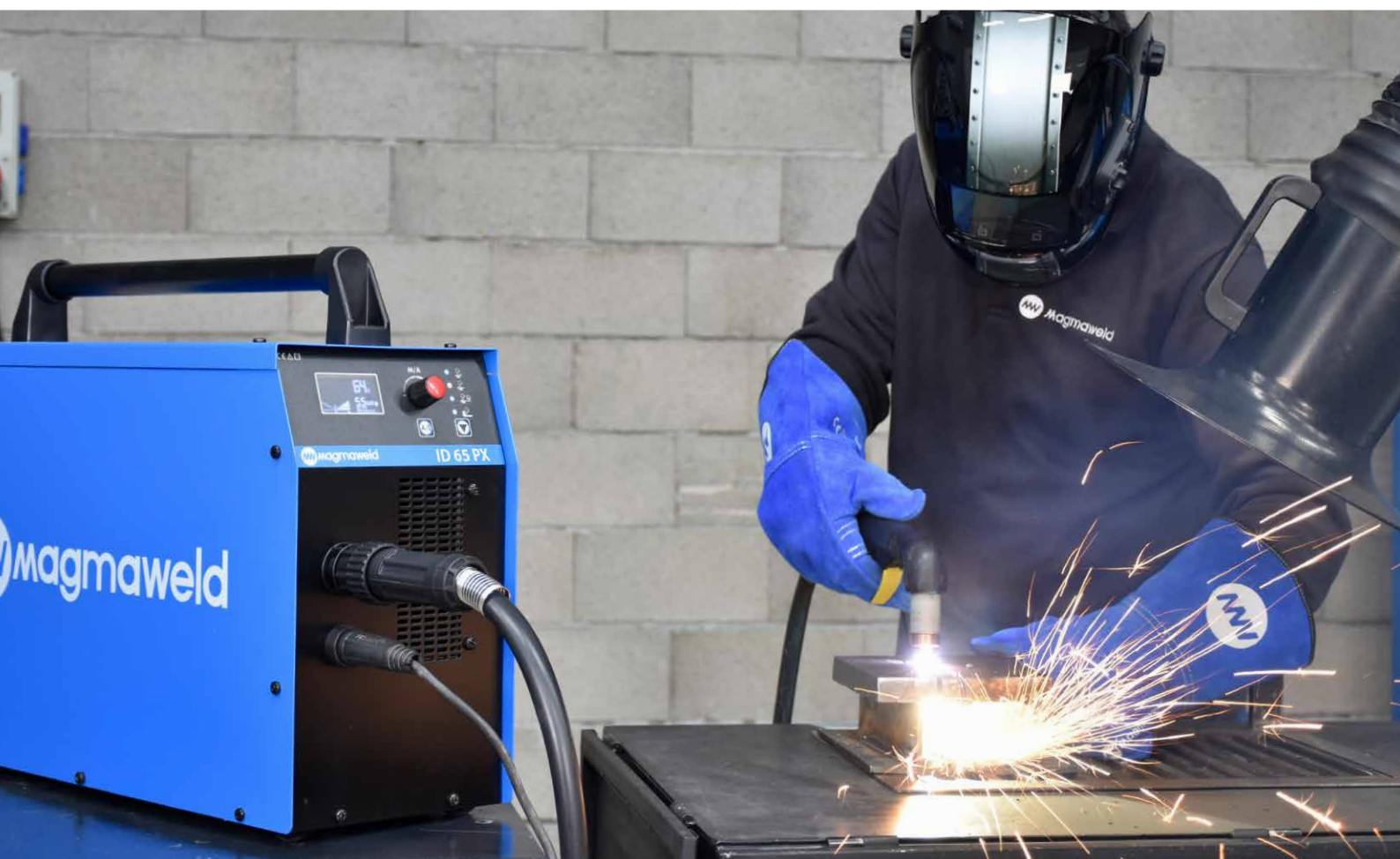


Steel
Stainless Steel
Cast Iron
Aluminum Alloys
Copper Alloys



- Plasma cutting machine with inverter technology
- Excellent cutting and gouging performance with all types of metal with its advanced structure
- High quality 28 mm burr-free cutting, 18 mm pierce and 35 mm severance capacity without loss of performance in all metal types including aluminum and stainless steel
- Different cutting modes that provide convenience to the user
- Faster and cleaner cutting performance compared to oxyfuel (up to 20 mm)
- Automatic adjustment for optimum gas pressure in ID 65 PX model
- Different torch and consumable options for special applications
- Easy setting and monitoring with user friendly interface
- More uptime and maximum performance with strong torches and consumables
- Save time with more precise and smoother cutting
- Easy connection to the automation interface
- Impact resistant, robust, reinforced steel body
- Easy mobility with its ergonomic structure
- No performance loss due to mains voltage fluctuations and ambient temperature changes

ID 65 PX / ID 65 P	
Mains Voltage	400 V / 50 - 60 Hz
Current Absorbed from Mains	17,8 A
Cutting Current Range	20 A - 65 A
Duty Cycle	65 A (% 50)
Open Circuit Voltage	270 VDC
Recommended Cutting Thickness (all metals)	22 mm
Maximum Cutting Thickness (all metals)	28 mm
Severance Thickness (all metals) (manuel cutting)	35 mm
Dimensions (l x w x h)	628.1 x 219.3 x 453.7 mm
Weight	26 kg
Plasma Gas	Clean, dry, oil-free air or nitrogen
Protection Gas	Clean, dry, oil-free air or nitrogen
Recommended Gas Pressure	5.5 bar- 185 lt/min.
Protection Class	IP 21S



Plasma Torches

Plasma Hand Cutting Torch

40-125 A, %60 (125 A) Duty Cycle, Gas: Air / N₂,
Working Pressure (Cutting): 5-6 bar
Working Pressure (Gouging): 4-4,5 bar
Gas Flow (125 A): 295 lt/min.
Ignition: Without HF



Model	Product Code	
	6 m	12 m
PCH Plasma Torch	7142H10506	7142H10512

Plasma Mechanized Cutting Torch

40-125 A, %60 (125 A) Duty Cycle, Gas: Air / N₂,
Working Pressure (Cutting): 5-6 bar
Working Pressure (Gouging): 4-4,5 bar
Gas Flow (125 A): 295 lt/min.
Ignition: Without HF



Model	Product Code	
	6 m	12 m
PCM Plasma Torch	7142M10506	7142M10512

Plasma Consumables

Consumables		Ampere	Usage			Compatible Torches	
			Drag Cutting	Precision Cut	Gouging	PCH	PCM
	Electrode	45-105A	7042E00001	7042E00001	7042E00001	●	●
	Swirl Ring	45 A	7042220857	7042220947	-	●	●
		65 A	7042220857	-	7042220857	●	●
		85 A	7042220857	-	7042220857	●	●
		105 A	7042220857	-	7042220857	●	●
	Nozzle	45 A	7042220941	7042220930	-	●	●
		65 A	7042220819	-	70422208NG	●	●
		85 A	7042220816	-	70422208NG	●	●
		105 A	7042220990	-	70422209NG	●	●
	Shield Body (Retaining Cap)	45-85 A		7042220854		●	●
		105 A	7042220855	-	7042220855	●	●
		45-85 A Ohmic	7042220953	7042220953	-		●
		105 A Ohmic	7042220954	7042220954	-		●
	Shield	45-85 A	7042220818	7042220955	70422209SG	●	
		105 A	7042220992	-	70422209SG	●	
		45-85 A	7042220817	7042220948	-		●
		105 A	7042220993	7042220948	-		●
	Deflector	45 A	-	7042220931	-	●	

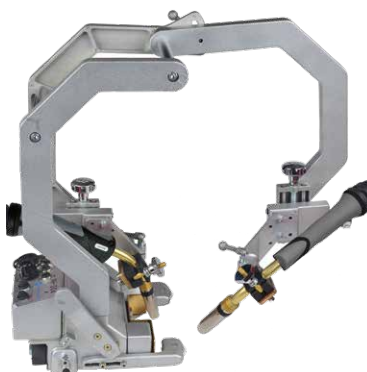
- For All Types
- Only for Drag Cutting

Welding and Cutting Carriages

HK6 I Single Torch

HK6 II Double Torch

HK6 W Oscillation



- Welding tractor for mainly fillet weldings such as Dutch profiles in shipbuilding.
- Twin torch attachment for welding both sides of the "I" profile at the same time.
- Portable but sturdy structure with well balanced center of gravity against tipping over, easy installation and provides smooth travelling.
- Travels also vertical up with the help of the powerful magnet under the tractor.
- Automatic stop function stops the tractor at any desired place.
- 42V operating voltage for operational safety.
- Communicates with any MIG/MAG welding machine and any MIG/MAG hand torch can be installed.

HK6 W Oscillation model:

- Advanced digital control box.
- The oscillation angle and frequency are adjusted separately
- Intermitend welding function

Technical Specifications	HK6 I Single Torch	HK6 II Double Torch	HK6 W Oscillation
Operating voltage	42 V / 50Hz	42 V / 50Hz	42 V / 50Hz
Horizontal Torch Angle	40° - 55°	40° - 55°	45° - 55°
Up/Down Setting	45 mm	45 mm	40 mm
Front/Rear Adjustment	45 mm	45 mm	40 mm
Traction Force	16 kg	30 kg	-
Tractor Speed	150 - 1500 mm/min.	100 - 1500 mm/min.	50 - 1900 mm/min.
Monitoring System	Guide Wheel	Guide Wheel	Guide Wheel
Drive System	Four-Wheel Drive	Four-Wheel Drive	Four-Wheel Drive
Standard Tracking Height	45 mm	45 mm	45 mm
Dimensions (l x w x h)	260 x 260 x 264 mm	500 x 280 x 520 mm	430 x 280 x 290 mm
Weight (Aba Body)	6.9 kg	12.6 kg	12 kg
Product Code	560M0000M0	560M0010M0	560M0001M0
Oscillation Right/Left Timing	-	-	0 - 2,5 sec.
Oscillation Deviation	-	-	0 - ±8°
Oscillation Speed	-	-	0 - 100°
Oscillation Angle	-	-	±15°
Oscillation Modes	-	-	

Standard Accessories

Step Down Transformer	220-42 V	220-42 V	220-42 V
Twin Torch Parts	-	7960000001	-

Optional Accessories

Twin Torch Parts	7960000001	-	-
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Welding and Cutting Carriages

HK12 Max 3

Oxygen and Plasma Cutting Tractor



- Automatic welding and cutting with MIG/MAG or OXY-FUEL or PLASMA torches.
- Unique guiding system and special cutting nozzles provides clean and precise cuttings.
- For Straight lines 2 x 1.8 m long rails are standard; they can be joined one after the other infinitely.
- Adjustable circular rail option for circular cutting.
- "X" welding edge can be opened with special torches and cutting is performed up to 600 mm. thickness.
- Suitable for linear, circular welding and for grooving welding ends. (With optional circular rail)
- Double conical reduction gear system for speed adjustments.
- Directions: Forward - Stop - Reverse, clutch lever and speed control knob.
- Robust and lightweight structure due to its reinforced aluminum body.
- Allows working under high temperature conditions.
- Fan cooling and thermal protection against overheating.

Technical Specifications	HK12 Max 3
Operating voltage	220V / 50Hz
Cutting Thickness S-Type	40 - 45 mm (Standard)
Cutting Speed	80 - 800 mm/min. (50 Hz)
Weight	30 kg
Tractor Speed	100-1500 mm/min.
Product Code	560R0000M0

Standard Accessories	
Straight Cutting Rail (1.8 m)	7960000015
Plasma Cutting Torch Connection Set	7960000003
Welding Torch Connection Set	7960000004

Welding Fume Extraction and Filtration Systems

DFS MP

DFS 1M, DFS 2M

DFS 1MK, DFS 2MK

Mobile Models



Compakt Model
DFS MP

- Operates with 1 Phase 220V/50Hz
- 2 m Acrobat arm
- Provides high performance and low energy consumption rate.
- 99% efficient cleaning of welding fume with F8 Filter.
- Carbon Filter can be attached for advanced applications.
- Aluminium mesh filter for prefiltering and spark arresting.
- Filter change indicator for filter efficiency.
- Operation control lamp.
- Optional HEPA filter can be attached.



One Arm Model
DFS 1M

Two Arm Model
DFS 2M

- Operates with 3 Phase 380V/50-60Hz .
- 99% efficient cleaning of welding fume with F8 Filter.
- Aluminium mesh filter for prefiltering and spark arresting.
- Filter change indicator for filter efficiency.
- Reversed phase control lamp.
- 3 m supply cable is provided as standart.
- Acrobat arms can be selected as 2 m, 3 m and 4 m.
- Optional lighting can be attached.
- Carbon filter can be selected for advanced applications.



DFS 1M

DFS 2M

DFS 1MK

DFS 2MK

	DFS 1M DFS 1MK	DFS 2M DFS 2MK	DFS MP
Supply Voltage	380 V - 50 / 60 Hz	380 V - 50 / 60 Hz	230 V - 50 / 60Hz
Filtering Efficiency	> 99%	> 99%	> 99%
Motor Power	1,1 kW / 1,5 kW (K model)	1,5 kW	0,35 kW
Suction Capacity	3000 m³ / h	2800 m³ / h	850 m³ / h
Suction Capacity (For K Models)	2800 m³ / h	2600 m³ / h	-
Noise Level	72 dB (A)	72 dB (A)	65 dB (A)
Dimensions (l x w x h)	650 x 750 x 1050 mm	650 x 750 x 1050 mm	480 x 480 x 820 mm
Dimensions (for K Models) (l x w x h)	650 x 750 x 1200 mm	650 x 750 x 1200 mm	-
Weight	96 kg	108 kg	49 kg
Weight (for K Models)	115 kg	115 kg	-

Product Codes

DFS MP	-	-	8411325M12
DFS 1M / DFS 2M (with 2 m arm)	8411145M12	8411445M12	-
DFS 1M / DFS 2M (with 3 m arm)	8411145M13	8411445M13	-
DFS 1M / DFS 2M (with 4 m arm)	8411145M14	8411445M14	-
DFS 1MK / DFS 2MK (with 2 m arm)	8411245M12	8411545M12	-
DFS 1MK / DFS 2MK (with 3 m arm)	8411245M13	8411545M13	-
DFS 1MK / DFS 2MK (with 4 m arm)	8411245M14	8411545M14	-

Consumables and Optional Accessories

Pre Filter	8490000301	8490000301	-
Main Filter	8490000603	8490000603	-
Carbon Filter (For K Models)	8490000200	8490000200	-
Lighting 3 m (Optional)	8421000103	8421000103	-

Welding Fume Extraction and Filtration Systems

DFS 1S, DFS 2S DFS 1SK, DFS 2SK

Fixed Models



**One Arm Model
DFS 1S**

**Two Arm Model
DFS 2S**

- Operates with 3 Phase 380V/50-60Hz .
- 99% efficient cleaning of welding fume with F8 Filter.
- Aluminium mesh filter for prefiltering and spark arresting.
- Filter change indicator for filter efficiency.
- Reversed phase control lamp.
- 3 m supply cable is provided as standart.
- Acrobat arms can be selected as 2 m, 3 m and 4 m.
- Optional lighting can be attached.
- Carbon filter can be selected for advanced applications.



	DFS 1S DFS 1SK	DFS 2S DFS 2SK
Supply Voltage	380 V - 50 / 60 Hz	380 V - 50 / 60 Hz
Filtering Efficiency	> 99%	> 99%
Motor Power	1,1 kW / 1,5 kW (Modèle K)	1,5 kW
Suction Capacity	3000 m³ / h	2800 m³ / h
Suction Capacity (For K Models)	2800 m³ / h	2600 m³ / h
Noise Level	72 dB (A)	72 dB (A)
Dimensions (l x w x h)	655 x 755 x 935 mm	655 x 755 x 935 mm
Dimensions (for K Models) (l x w x h)	655 x 755 x 1085 mm	655 x 755 x 1085 mm
Weight	90 kg	90 kg
Weight (for K Models)	110 kg	110 kg

Product Codes

DFS 1S / DFS 2S (with 2 m arm)	8412145M12	8412445M12
DFS 1S / DFS 2S (with 3 m arm)	8412145M13	8412445M13
DFS 1S / DFS 2S (with 4 m arm)	8412145M14	8412445M14
DFS 1SK / DFS 2SK (with 2 m arm)	8412245M12	8412545M12
DFS 1SK / DFS 2SK (with 3 m arm)	8412245M13	8412545M13
DFS 1SK / DFS 2SK (with 4 m arm)	8412245M14	8412545M14

Consumables and Optional Accessories

Pre Filter	8490000301	8490000301
Main Filter	8490000603	8490000603
Carbon Filter (For K Models)	8490000200	8490000200
Lighting 3 m (Optional)	8421000303	8421000303

Welding Fume Extraction and Filtration Systems

DES MS

Mobile Fan System



DES SS

Fixed Fan System



- Operates with 3 Phase 380V/50-60Hz
- Mobile Fan Systems are especially used in arrow and enclosed environments. 5 m suction hose provided as standart. Outlet hose can be selected up to 15 m. Magnet support allows hood to fix anywhere requested.
- Fixed Fan Systems especially used in multiple welding cabins. Fixed fans are generally attached to local wentilation systems. Acrobat arms can be selected as **2 m, 3 m and 4 m**.
- Optional lighting can be attached (DES SS models)

DES MS		DES SS
Supply Voltage		380 V - 50 / 60 Hz
Motor Power		1,1 kW
Suction Capacity		3000 m³ / h
Noise Level		69 dB (A)
Dimensions (l x w x h)		650 x 500 x 250 mm
Weight		40 kg
Product Code (DES MS)	Main Unit	8413145M00
	5 m Outlet Hose	8413145M45
	10 m Outlet Hose	8413145M46
	15 m Outlet Hose	8413145M47
Product Code (DES SS)	1.1 kW (2 m)	-
	1.1 kW (3 m)	-
	1.1 kW (4 m)	-
	1.5 kW (2 m)	-
	1.5 kW (3 m)	-
	1.5 kW (4 m)	-

Optional Accessories

Lighting (2 m)	-	8421000502
Lighting (3 m)	-	8421000503
Lighting (4 m)	-	8421000504



magNET

Tracking of all welding parameters;

- Arc-on Time
- Wire deposition (Speed and Amount)
- Welding current and voltage
- Wire speed and consumption
- Gas flow and consumption
- Energy consumption
- Welding wire, welding gas and energy costs
- Maintenance plan of welding machine and equipment

» Data Collection and Processing from any brand/model welding machine

» Welding application experience in many sectors from steel construction to automotive

» Easy installation without stopping production

» WPS compliance report and graphics

» EN1090 Archive and WPS Development Tools





From the magNET operator screen;

- Welder identification
- Work order, product code and WPS number entries
- Downtime entries
- Welding gas & wire entries

On the computer;

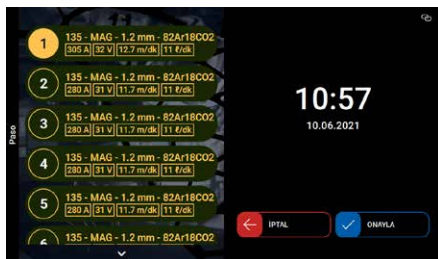
- User-friendly Interface
- Detailed reporting for all collected data
- Machine and welder performance monitoring
- Possibility to create a digital WPS library
- Web-based software
- Application of critical parameters with limits and alarms



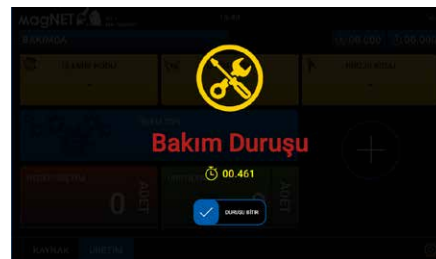
Work Order or Product Code Entries



Detailed Reporting for Collected Data



WPS and pass selection support



Downtime Entries

11/11/2011

Non-Stop Welding Since 1957

Magmaweld is a developer & manufacturer of Stick Electrodes, MIG/MAG & TIG Wires, Flux Cored Wires, Submerged-Arc Wires and Fluxes, Welding Machines, Fume Extractors, Welding Ancillary Products and Robotic Automation Systems since 1957 in Turkey. 95% of its sales program is manufactured by the two factories in Manisa/Turkey.



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