



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
Organize Sanayi Bölgesi 5. Kısım, Manisa, Turkey

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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 |



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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.



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RoHS

| | 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

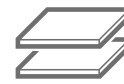


Remote Control

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

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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 |
|----------------------|---|------------|------------|

Carbon Gouging Clamp



Diesel Welding Generators

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.



EN 60974-1

EN 60974 -10

RoHS

| 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

- 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.



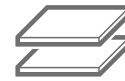
Stainless Steels
Steels



monoTIG 220ip

Inverter-Pulse Technology with Advanced Functions

- 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.



Stainless Steels
Steels
Copper Alloys
Nickel Alloys



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



EN 60974-1

EN 60974 -10

RoHS

| | 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












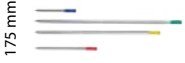
| | | | |
|--|---------------------------------------|---------------------------------------|---------------------------------------|
| Electrode Clamp and Cable | 7906202503 (25 mm ² - 3 m) | 7906202503 (25 mm ² - 3 m) | 7906207003 (70 mm ² - 3 m) |
| Lava TIG 26 (8 m) Air Cooled TIG Torch | 7110018008 | 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 |  | 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 |  | 1.60 mm | | 7018000116 |
| | | 2.00 mm | | 7018000120 |
| | | 2.40 mm | | 7018000124 |
| | | 3.20 mm | | 7018000132 |
| | | 4.00 mm | | 7018000140 |
| | | | | WT - 20 (Red) |

Monophase MIG / MAG Welding Machines

monoMIG 200ik
megaMIG



Steels
Stainless Steels
Aluminium Alloys

Inverter Technology for Workshops



- 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.
- \varnothing 300 mm, \varnothing 270 mm and \varnothing 200 mm spools, drums of any size and \varnothing 100 mm spool with a spool gun can be used with monoMIG 200ik.
- \varnothing 200 mm spools and \varnothing 100 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.



EN 60974-1

EN 60974 -10

RoHS

| 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 | 86 kg | 103.5 kg |
| | Water Cooled | 110 kg | 110 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 400KW Pulse Expert

ID 500MW Pulse Expert

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.
- 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.



EN 60974-1

EN 60974 -10

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 |
| | Water Cooled | 110 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)



EN 60974-1

EN 60974-10

RoHS

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

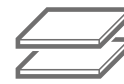
| | |
|------------------------|----------------|
| Cooling Capacity | 1.02 kW |
| Rated Current | 0.95 A |
| Dimensions (l x w x h) | 733x293x300 mm |
| Weight | 23,5 kg |



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 course 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.



EN 60974-1

EN 60974 -10

RoHS

| 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.



EN 60974-1

EN 60974 -10

RoHS

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 | - | - | - | 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 | - | - | - | 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 | - | - | - | - | - |
| | | | | | 3 m | - | - | - | 7025530610 | - | - | - | - |
| | | | | | 3 m | - | - | - | 7025531012 | - | - | - | - |
| | | 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 Magmaweld 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



EN 60974-1

EN 60974 -10

RoHS

| 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 | |
|------------------|--------------|------------|
| PCH Plasma Torch | 6 m | 12 m |
| | 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 | |
|------------------|--------------|------------|
| PCM Plasma Torch | 6 m | 12 m |
| | 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 | - | 796000001 | - |

Optional Accessories

| | | | |
|------------------|-----------|---|---|
| Twin Torch Parts | 796000001 | - | - |
|------------------|-----------|---|---|

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 2M | |
|---------------------------------------|---------------------------|-------------------------|------------------------|
| | DFS 1MK | 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 m ³ / h | 2800 m ³ / h | 850 m ³ / h |
| Suction Capacity (For K Models) | 2800 m ³ / h | 2600 m ³ / 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 m ³ / h | 2800 m ³ / h |
| Suction Capacity (For K Models) | 2800 m ³ / h | 2600 m ³ / 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 | 380 V - 50 / 60 Hz |
| Motor Power | | 1,1 kW | 1,1 kW / 1,5 kW |
| Suction Capacity | | 3000 m ³ / h | 3000 m ³ / h |
| Noise Level | | 69 dB (A) | 69 dB (A) |
| Dimensions (l x w x h) | | 650 x 500 x 250 mm | 650 x 500 x 250 mm |
| Weight | | 40 kg | 37 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) | - | 8414145M12 |
| | 1.1 kW (3 m) | - | 8414145M13 |
| | 1.1 kW (4 m) | - | 8414145M14 |
| | 1.5 kW (2 m) | - | 8414245M12 |
| | 1.5 kW (3 m) | - | 8414245M13 |
| | 1.5 kW (4 m) | - | 8414245M14 |

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



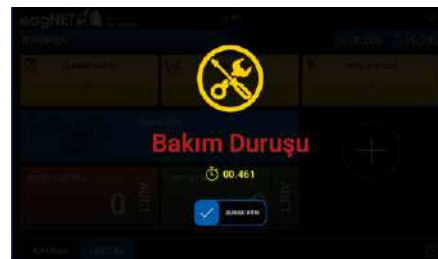
Work Order or Product Code Entries



Detailed Reporting for Collected Data



WPS and pass selection support



Downtime Entries

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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