



WELDING AND CUTTING MACHINES



(+90) 444 93 53
magmaweld.com
info@magmaweld.com

 (+90) 538 927 12 62

CORPORATE

Magmaweld is a leading and trusted brand in welding. Since its foundation in 1957, the company has played a pioneering role in the development of the Turkish welding industry, building a strong reputation through a comprehensive and evolving product portfolio.

Responding to the needs of an advancing industrial landscape, Magmaweld expanded its manufacturing capabilities to include MIG/MAG and TIG wires, flux-cored wires, and submerged arc wires and fluxes. In 1971, the company started producing welding machines, later extending into robotic welding solutions through a strategic partnership with Panasonic in 1998.

In 2000, Magmaweld centralized its R&D, production, and logistics operations in a state-of-the-art facility in Manisa, Turkey. The move significantly enhanced efficiency, innovation, and quality. With this strategic step, Magmaweld strengthened its global presence and introduced its internationally recognized brand "Magmaweld". The name reflects the resemblance between molten magma beneath the Earth's surface and the molten weld pool.

Today, Magmaweld operates local production and sales organizations in **6 countries** across **3 continents** and exports to more than **75 countries** worldwide.

With a commitment to **"Non-Stop Welding"**, Magmaweld empowers industries with high-quality products, advanced technologies, and solution-driven engineering excellence, ensuring seamless and reliable welding operations across the globe.



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Monophase MIG/MAG Welding Machines

monoMIG 200ik

Inverter Technology for Workshops



Steels
Stainless Steels
Aluminium Alloys



Optional
Spool Gun



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

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

Wire Feed System

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

Standard Accessories

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

Optional Accessories

Lava MIG 15 (3 m) Ai Cooled Torch	7120015003
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

Monophase MIG/MAG Welding Machines

megaMIG

Inverter Technology for Workshops



Steels
Stainless Steels
Aluminium Alloys



MIG/MAG
MMA
LIFT TIG

Optional
Spool Gun



- 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.
- ø200 mm spools and ø100 mm spool with a spool gun can be used.
With the optional accessory, it also provides the ø300 mm wire feeder adapter option.
- Fan cooling and thermal protection against overheating.
- Standard accessories come with the machine.

megaMIG	
Mains Voltage (1-phase)	230 V - 50/60Hz
Rated Power	8.2 kVA (%20)
Welding Current Range	30-200 ADC
Rated Welding Current	200 ADC (%20)
Open Circuit Voltage	75 VDC
Stick Electrode Diameter Range	1.60 - 4.00 mm
Dimensions (l x w x h)	559 x 210 x 447 mm
Weight (Torch Excluded)	19.5 kg
Protection Class	IP 23

Wire Feed System

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

Standard Accessories

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

Optional Accessories

Lava MIG 15 (3 m) Ai Cooled Torch	7120015003
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
Wire Spool Carrier (15 kg)	7920000200
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 MIG/MAG Welding Machines

ID Eco Series **NEW**

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%.
- 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.
- 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.
- Welding voltage, wire feed speed (welding current) is adjusted from the panel in front of the wire feeder.
- Optimum welding parameters can be obtained from the printed table inside of the wire feed cabinet.
- Manual wire feeding & gas valve buttons, Trigger Mode (2/4), Spot mode are available on the wire feeder.
- Soft Start, Pre-gas, Post-gas, Crater Filling, Burn-Back, Flow sensor settings are adjusted from the digital panel of the wire feeding system.
- Standard wire feeding speed: 1-24 m/min. Optional upgrade up to 1-32 m/min available upon request for special applications.
- ø300 mm, ø270 mm and ø200 mm spools and drums of any size can be used.
- 24V AC outlet for CO₂ gas heater.
- Built in gas cylinder platform with large wheels to ease mobility in workshops.
- The Separate wire feeder standard harness length is 5 m and can be extended up to 30 m upon request (M-MW models).
- Protected against voltage fluctuations.
- Designed also for outdoor use, protection class is IP 23.
- Water cooling unit for water cooled torches provides powerful cooling even at very hot climates. (Water-cooled (W) models)
- Standard accessories come with the machine.

Standard		ID 250MK Eco	ID 350MK Eco	ID 350M Eco	ID 500M Eco
Standard Water Cooled		ID 250MKW Eco	ID 350MKW Eco	ID 350MW Eco	ID 500MW Eco
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		11.9 kVA (%40)	18.9 kVA (%40)	18.9 kVA (%40)	31.8 kVA (%40)
Welding Current Range		50 - 250 ADC	50 - 350 ADC	50 - 350 ADC	50 - 500 ADC
Rated Welding Current		250 ADC (%40)	350 ADC (%40)	350 ADC (%40)	500 ADC (%40)
Maximum Open Circuit Voltage		63 VDC	62 VDC	62 VDC	72 VDC
Dimensions (l x w x h) (Water Cooled Model)		1143 x 528 x 1145 mm	1143 x 528 x 1145 mm	1170 x 528 x 1430 mm	1170 x 528 x 1430 mm
Weight	Air Cooled	82 kg	82 kg	96 kg	98 kg
	Water Cooled	106 kg	106 kg	120 kg	122 kg
Protection Class		IP 23	IP 23	IP 23	IP 23

Wire Feed System

Wire Diameter Range	0.60 - 1.20 mm	0.60 - 1.20 mm	0.60 - 1.20 mm	0.80 - 2.40 mm
Standard Wire Rollers	0.80 / 1.00 mm	0.80 / 1.00 mm	0.80 / 1.00 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/dk.	1 - 24 m/dk.	1 - 24 m/dk.	1 - 24 m/dk.
Trigger Control	2 / 4	2 / 4	2 / 4	2 / 4
Spool Capacity	max. 20kg	max. 20kg	max. 20kg	max. 20kg
Dimensions (l x w x h)	-	-	584 x 284 x 553 mm	584 x 284 x 553 mm
Weight	-	-	24 kg	24 kg

Cooling System

Cooling Capacity	1.02 kW
Rated Current	0.95 A
Dimensions (l x w x h)	733 x 293 x 302 mm
Weight	24 kg

Standard Accessories

Workpiece Clamp and Cable	7905203505 (35 mm ² -5 m)	7905203505 (35 mm ² -5 m)	7905203505 (35 mm ² -5 m)	7905407005 (70 mm ² - 5 m)
Gas Hose	7907000002 (2 m)			

Optional Accessories

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

* Should be verified during ordering.

Synergic Industrial Inverter MIG/MAG Welding

ID Smart Series

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.

Pulsed		ID 300MK Pulse Smart	ID 300M Pulse Smart
Pulsed Water Cooled		ID 300MKW Pulse Smart	ID 300MW Pulse Smart
Mains Voltage (3-phase)		400 V - 50/60 Hz	400 V - 50/60 Hz
Rated Power		14.7 kVA (%40)	14.7 kVA(%40)
Welding Current Range		50 - 300 ADC	50 - 300 ADC
Rated Welding Current		300 ADC (%40)	300 ADC (%40)
Maximum Open Circuit Voltage		82 VDC	82 VDC
Dimensions (l x w x h) (Water Cooled Model)		1180 x 528 x 1137 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

Wire Feed System

Wire Diameter Range	0.80 - 1.20 mm	0.80 - 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 - 24 m/min.	1 - 24 m/min.
Trigger Control	2 / 4 - 3 Job	2 / 4 - 3 Job
Spool Capacity	max. 20kg	max. 20kg
Dimensions (l x w x h)	-	684 x 330 x 447 mm
Weight	-	23.7 kg

Cooling System

Cooling Capacity	1.02 kW
Rated Current	0.95 A
Dimensions (l x w x h)	732 x 293 x 302 mm
Weight	24 kg

Standard Accessories

Workpiece Clamp and Cable	7905203505 (35 mm ² - 5 m)
Gas Hose	7907000002 (2 m)

Optional Accessories

CO ₂ Heater (24 V)	7020009003
Gas Regulator (CO ₂)	7020001005
Gas Regulator (Mix)	7020001004
Lava MIG 35 (3 m) Air Cooled MIG Torch	7120035003
Lava MIG 40 (3 m) Air Cooled MIG Torch	7120040003
Lava MIG 50W Water Cooled MIG Torch (3 m)	7120050003
Lava MIG 50WR Water Cooled Remote Control MIG Torch (3 m)	7120150003
MIG / MAG CO ₂ Accessory Set*	7920000531/7920000551
MIG / MAG Mix/Argon Accessory Set*	7920000535 / 7920000555

* Should be verified during ordering.



Pulsed		ID 400MK Pulse Smart	ID 400M Pulse Smart
Pulsed Water Cooled		ID 400MKW Pulse Smart	ID 400MW Pulse Smart
Mains Voltage (3-phase)		400 V - 50/60 Hz	400 V - 50/60 Hz
Rated Power		22.1 kVA (%40)	22.6 kVA (%40)
Welding Current Range		50 - 400 ADC	50 - 400 ADC
Rated Welding Current		400 ADC (%40)	400 ADC (%40)
Maximum Open Circuit Voltage		82 VDC	82 VDC
Dimensions (l x w x h) (Water Cooled Model)		1180 x 528 x 1137 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

Wire Feed System		
Wire Diameter Range	0.80 - 1.60 mm	0.80 - 1.60 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 - 24 m/min.	1 - 24 m/min.
Trigger Control	2 / 4 - 3 Job	2 / 4 - 3 Job
Spool Capacity	max. 20kg	max. 20kg
Dimensions (l x w x h)	-	684 x 330 x 447 mm
Weight	-	23.7 kg

Cooling System		
Cooling Capacity	1.02 kW	
Rated Current	0.95 A	
Dimensions (l x w x h)	732 x 293 x 302 mm	
Weight	24 kg	

Standard Accessories		
Workpiece Clamp and Cable	7905305005 (50mm ² - 5 m)	
Gas Hose	7907000002 (2 m)	

Optional Accessories		
CO ₂ Heater (24 V)	7020009003	
Gas Regulator (CO ₂)	7020001005	
Gas Regulator (Mix)	7020001004	
Lava MIG 35 (3 m) Air Cooled MIG Torch	7120050003	
Lava MIG 40 (3 m) Air Cooled MIG Torch	7120150003	
Lava MIG 50W Water Cooled MIG Torch (3 m)	7920000541 / 7920000551	
Lava MIG 50WR Water Cooled Remote Control MIG Torch (3 m)	7920000545 / 7920000555	
MIG / MAG CO ₂ Accessory Set*	7920000541 / 7920000551	
MIG / MAG Mix/Argon Accessory Set*	7920000545 / 7920000555	

* Should be verified during ordering.

Pulsed		ID 500M Pulse Smart
Pulsed Water Cooled		ID 500MW Pulse Smart
Mains Voltage (3-phase)		400 V - 50/60 Hz
Rated Power		32.7 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) (Water Cooled Model)		1170 x 528 x 1348 mm
Weight	Air Cooled	103.5 kg
	Water Cooled	113.5 kg
Protection Class		IP 23
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 - 3 Job
Spool Capacity		max. 20kg
Dimensions (l x w x h)		684 x 330 x 447 mm
Weight		23.7 kg
Cooling System		
Cooling Capacity		1.02 kW
Rated Current		0.95 A
Dimensions (l x w x h)		732 x 293 x 302 mm
Weight		24 kg
Standard Accessories		
Workpiece Clamp and Cable		7905407005 (70 mm ² - 5 m)
Gas Hose		7907000002 (2 m)
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
Lava MIG 50W Water Cooled MIG Torch (3 m)		7120050003
Lava MIG 65W Water Cooled MIG Torch (3 m)		7120160003
Lava MIG 50WR Water Cooled Remote Control MIG Torch (3 m)		7120150003
MIG / MAG CO ₂ Accessory Set*		7920000541 / 7920000551
MIG / MAG Mix/Argon Accessory Set*		7920000545 / 7920000555
* Should be verified during ordering.		

Synergic Industrial Inverter MIG/MAG Welding

ID Expert Series

Synergic Inverter-Pulse Technology for Production



Steels
Stainless Steels
Aluminium Alloys
Copper Alloys
Nickel Alloys



ID 400MK Pulse Expert

ID 400MKW Pulse Expert

ID 500MW Pulse Expert

- Operates with 3 Phase 400V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- Excellent welding characteristics with all types of solid and flux cored wires with CO₂ or Mix gases.
- Multi process welding; MIG/MAG, Stick Electrode, Carbon Gauging and TIG welding.
- No Spatter welding due to advanced electronically optimized inductance and pulsing functions. Excellent welding characteristics for all methods.
- 3 Operating Modes; Synergic, Intelligent, Classic. With these options a welder can adapt from conventional to synergic welding easily.
- Wire type, wire diameter, gas type and thickness of the base metal for Synergic Welding and Soft Start, Pre-Gas, Post-Gas, Burn-Back, Crater Filling timer settings as general settings.
- Expert model has advanced features such as 6 Trigger Mode, Double Pulse and LCD panel to select all necessary parameters through the menus.
- 100 Different job in Expert series
- Trigger mode selection from torch.
- Industry 4.0 features such as; OEE, Arc-On Time reporting, WP setting/controlling/reporting, Barcode and RF Card reading. (Optional)
- 4 Wheel Drive system, offers very powerful feedability for longer torches and offers less deformation on soft wires such as aluminum and flux cored wires.
- The Separate wire feeder standard harness length is 5 m and can be extended up to 30 m upon request.
- Manual wire feeding & gas valve buttons are inside of the wire feeding cabinet.
- Ø300 mm, Ø270 mm and Ø200 mm diameter spools and drums of any size can be used.
- 24V AC outlet for CO₂ gas heater.
- Stable welding current without loss of performance due to electric line fluctuations or with long welding and electrical cables.
- Built in gas cylinder platform with large wheels to ease mobility in workshops.
- Intelligent control of temperature reduces energy consumption and extends the fan and machine life. (SmartFan)
- Water cooling unit for water cooled torches provides powerful cooling even at very hot climates. (Water-cooled (W) models)
- Standard accessories come with the machine.

Pulsed		ID 300MK Pulse Expert	ID 300M Pulse Expert
Pulsed Water Cooled		ID 300MKW Pulse Expert	ID 300MW Pulse Expert
Mains Voltage (3-phase)		400 V - 50/60 Hz	400 V - 50/60 Hz
Rated Power		14.7 kVA (%40)	14.5 kVA(%40)
Welding Current Range		50 - 300 ADC	50 - 300 ADC
Rated Welding Current		300 ADC (%40)	300 ADC (%40)
Maximum Open Circuit Voltage		82 VDC	82 VDC
Dimensions (l x w x h) (Water Cooled Model)		1180 x 528 x 1137 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

Wire Feed System

Wire Diameter Range	0.80 - 1.20 mm	0.80 - 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 - 24 m/min.	1 - 24 m/min.
Trigger Control	2 / 4 / 6 - 100 Job	2 / 4 / 6 - 100 Job
Spool Capacity	max. 20kg	max. 20kg
Dimensions (l x w x h)	-	684 x 330 x 447 mm
Weight	-	23.7 kg

Cooling System

Cooling Capacity	1.02 kW
Rated Current	0.95 A
Dimensions (l x w x h)	732 x 293 x 302 mm
Weight	24 kg

Standard Accessories

Workpiece Clamp and Cable	7905203505 (35mm ² - 5 m)
Gas Hose	7907000002 (2 m)

Optional Accessories

CO ₂ Heater (24 V)	7020009003
Gas Regulator (CO ₂)	7020001005
Gas Regulator (Mix)	7020001004
Lava MIG 35 (3 m) Air Cooled MIG Torch	7120035003
Lava MIG 40 (3 m) Air Cooled MIG Torch	7120040003
Lava MIG 50W Water Cooled MIG Torch (3 m)	7120050003
Lava MIG 50WR Water Cooled Remote Control MIG Torch (3 m)	7120150003
MIG / MAG CO ₂ Accessory Set*	7920000541/7920000551
MIG/MAG Mix/Argon Accessory Set*	7920000545 / 7920000555

* Should be verified during ordering.



Pulsed		ID 400MK Pulse Expert	ID 400M Pulse Expert
Pulsed Water Cooled		ID 400MKW Pulse Expert	ID 400MW Pulse Expert
Mains Voltage (3-phase)		400 V - 50/60 Hz	400 V - 50/60 Hz
Rated Power		22.6 kVA (%40)	22.6 kVA (%40)
Welding Current Range		50 - 400 ADC	50 - 400 ADC
Rated Welding Current		400 ADC (%40)	400 ADC (%40)
Maximum Open Circuit Voltage		82 VDC	82 VDC
Dimensions (l x w x h) (Water Cooled Model)		1180 x 528 x 1137 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

Wire Feed System		
Wire Diameter Range	0.80 - 1.60 mm	0.80 - 1.60 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 - 24 m/min.	1 - 24 m/min.
Trigger Control	2 / 4 / 6 - 100 Job	2 / 4 / 6 - 100 Job
Spool Capacity	max. 20kg	max. 20kg
Dimensions (l x w x h)	-	684 x 330 x 447 mm
Weight	-	23.7 kg

Cooling System		
Cooling Capacity	1.02 kW	
Rated Current	0.95 A	
Dimensions (l x w x h)	732 x 293 x 302 mm	
Weight	24 kg	

Standard Accessories		
Workpiece Clamp and Cable	7905305005 (50mm ² -5m)	
Gas Hose	7907000002 (2 m)	

Optional Accessories		
CO ₂ Heater (24 V)	7020009003	
Gas Regulator (CO ₂)	7020001005	
Gas Regulator (Mix)	7020001004	
Lava MIG 35 (3 m) Air Cooled MIG Torch	7120035003	
Lava MIG 40 (3 m) Air Cooled MIG Torch	7120040003	
Lava MIG 50W Water Cooled MIG Torch (3 m)	7120050003	
Lava MIG 50WR Water Cooled Remote Control MIG Torch (3 m)	7120150003	
MIG / MAG CO ₂ Accessory Set*	7920000541/7920000551	
MIG/MAG Mix/Argon Accessory Set*	7920000545 / 7920000555	

* Should be verified during ordering.

Pulsed		ID 500M Pulse Expert
Pulsed Water Cooled		ID 500MW Pulse Expert
Mains Voltage (3-phase)		400 V - 50/60 Hz
Rated Power		32.7 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) (Water Cooled Model)		1170 x 528 x 1348 mm
Weight	Air Cooled	103.5 kg
	Water Cooled	113.5 kg
Protection Class		IP 23
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)		684 x 330 x 447 mm
Weight		23.7 kg
Cooling System		
Cooling Capacity		1.02 kW
Rated Current		0.95 A
Dimensions (l x w x h)		732 x 293 x 302 mm
Weight		24 kg
Standard Accessories		
Workpiece Clamp and Cable		7905407005 (70 mm ² - 5 m)
Gas Hose		7907000002 (2 m)
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
Lava MIG 50W Water Cooled MIG Torch (3 m)		7120050003
Lava MIG 65W Water Cooled MIG Torch (3 m)		7120160003
Lava MIG 50WR Water Cooled Remote Control MIG Torch (3 m)		7120150003
MIG / MAG CO ₂ Accessory Set*		7920000541/7920000551
MIG/MAG Mix/Argon Accessory Set*		7920000545 / 7920000555
* Should be verified during ordering.		

Synergic Industrial Inverter MIG/MAG Welding

ID Advanced Series **NEW**

Next Generation Welding



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%.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- Multi process welding; synergic pulse/ double pulse MIG/MAG, DC LIFT TIG, Stick Electrode (MMA) welding and Carbon Gauging.
- Superior welding functions that increase welding efficiency and speed
- Increasing welding performance with digital control
- Intelligent control of temperature reduces energy consumption, and extends the fan and machine life. Provides powerful cooling (SmartFan)
- Digital calibration support
- Integrated magNET and digital communication interfaces (Wi-Fi, Ethernet, Bluetooth) with secure data transfer allow storage of welding parameters on the Cloud, remote management, traceability features, digital WPS capabilities, and support for integration with other products.
- Quick parameter adjustment and easy usability with a touch display and hardware buttons and knobs.
- Welding parameters are quickly and easily adjusted through visual feedback on the dynamic curve specific to the welding method.
- Provides easy data transfer between machines with USB interface (Welder, Job etc.).
- Software and synergic parameter updates can be easily performed remotely via OTA(over-the-air) or through a USB interface.
- Compatible with all robot manufacturers

Standard		ID 500M Advanced
Standard Water Cooled		ID 500MW Advanced
Mains Voltage (3-phase)		400 V - 50/60 Hz
Rated Power		32.7 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) (Water Cooled Model)		1170 x 528 x 1348 mm
Weight	Air Cooled	103.5 kg
	Water Cooled	113.5 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)		684 x 330 x 447 mm
Weight		23.7 kg
Cooling System		
Cooling Capacity		1.02 kW
Rated Current		0.95 A
Dimensions (l x w x h)		732 x 293 x 302 mm
Weight		24 kg
Standard Accessories		
Workpiece Clamp and Cable		7905407005 (70 mm ² - 5 m)
Gas Hose		7907000002 (2 m)
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
Lava MIG 50W Water Cooled MIG Torch (3 m)		7120050003
Lava MIG 65W Water Cooled MIG Torch (3 m)		7120160003
MIG / MAG CO ₂ Accessory Set*		7920000541 / 7920000551
MIG/MAG Mix/Argon Accessory Set*		7920000545 / 7920000555
* Should be verified during ordering.		



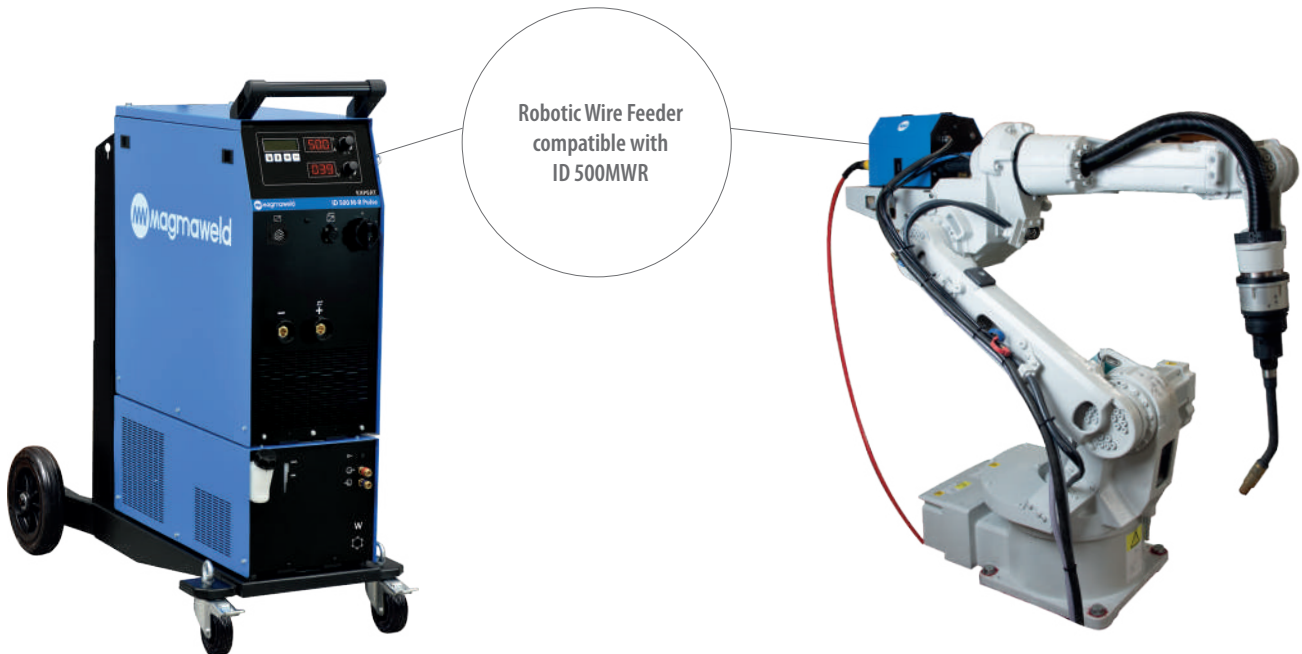
Synergic Industrial Inverter MIG/MAG Welding

ID Robotic Series **NEW**

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

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

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

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

Standard Accessories		
Robotic Wire Driving (Expert)		792312R200
Interface Module		K102010004

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.

* The CE mark is not available. It is offered for sale outside the EU zone.

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)	7905202505 (25 mm ² - 5 m)
	Separate Wire Feeder	-	7905212505 (25 mm ² - 5 m)
Gas Hose		7907000002 (2 m)	7907000002 (2 m)

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		7120020003	7120020003
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	7905202505 (25 mm ² - 5 m)	7905203505 (35 mm ² - 5 m)
Gas Hose		7907000002 (2 m)	7907000002 (2 m)

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	RS 600MW
Mains Voltage (3-phase)		400 V - 50/60 Hz	400 V - 50/60 Hz	400 V - 50/60 Hz
Rated Power		19.4 kVA (50%)	28.3 kVA (40%)	36.41 kVA (40%)
Welding Current Range		45 - 400 ADC	45 - 500 ADC	95 - 600 ADC
Rated Welding Current		400 ADC (50%)	500 ADC (40%)	600 ADC (40%)
Maximum Open Circuit Voltage		20 - 48 VDC	19 - 53 VDC	21 - 58 VDC
Voltage Adjustment and Number of Levels		4 x 7	3 x 10	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	1008 x 592 x 1443 mm
Weight	Compact	121 kg	-	-
	Separate Wire Feeder	134 kg	195 kg	-
	Water Cooled	155 kg	215 kg	284 kg
Protection Class		IP 21	IP 21	IP 21

Wire Feed System				
Wire Diameter Range		0.80 - 1.60 mm	0.80 - 2.40 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/min.	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)		560 x 225 x 450 mm	560 x 225 x 450 mm	660 x 315 x 443 mm
Weight		31 kg	31 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)		767 x 330 x 444 mm	767 x 330 x 444 mm	767 x 330 x 444 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)	-
	Separate Wire Feeder	7905203505 (35 mm ² - 5 m)	7905407005 (70 mm ² - 5 m)	7905509505 (95 mm ² - 5 m)
Gas Hose		7907000002 (2 m)	7907000002 (2 m)	7907000002 (2 m)

Acessórios opcionais				
CO ₂ Heater (220V)		7020009002	7020009002	7020009003
Gas Regulator (CO ₂)			7020001005	
Gas Regulator (Mix)			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*		7920000530 / 7920000550	7920000540 / 7920000550	7920000541/7920000551
MIG/MAG Mix/Argon Accessory Set*		7920000535 / 7920000555	7920000545 / 7920000555	7920000545/7920000555

* 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 200ik	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 400	522040AK00	522040A110	522040A120	522040A130	522040A140	Close
RS 400 Water Cooled	-	522040W110	522040W120	522040W130	522040W140	Close
RS 500	-	522050A110	522050A120	522050A130	522050A140	Close
RS 500 Water Cooled	-	522050W110	522050W120	522050W130	522050W140	Close
RS 600 Water Cooled	-	522060W210	522060W220	522060W230	522060W240	Close
ID 250MK Eco	523525AK00	-	-	-	-	-
ID 250MKW Eco	523525WK00	-	-	-	-	-
ID 350MK Eco	523535AK00	-	-	-	-	-
ID 350MKW Eco	523535WK00	-	-	-	-	-
ID 350M Eco	-	523535A110	523535A120	-	-	Close
ID 350MW Eco	-	523535W110	523535W120	-	-	Close
ID 500M Eco	-	523550A110	523550A120	-	-	Close
ID 500MW Eco	-	523550W110	523550W120	523550W130	523550W140	Close
ID 300 M Pulse Smart	-	524230A210	-	-	-	Open
ID 300 MW Pulse Smart	-	524230W210	-	-	-	Open
ID 400 M Pulse Smart	-	524240A210	-	-	-	Open
ID 400 MW Pulse Smart	-	524240W210	-	-	-	Open
ID 500 M Pulse Smart	-	524250A210	524250A220	524250A230	524250A240	Open
ID 500 MW Pulse Smart	-	524250W210	524250W220	524250W230	524250W240	Open
ID 300 M Pulse Expert	-	524430A210	-	-	-	Open
ID 300 MW Pulse Expert	-	524430W210	-	-	-	Open
ID 400 M Pulse Expert	-	524440A210	-	-	-	Open
ID 400 MW Pulse Expert	-	524440W210	-	-	-	Open
ID 500 M Pulse Expert	-	524450A210	524450A220	524450A230	524450A240	Open
ID 500 MW Pulse Expert	-	524450W210	524450W220	524450W230	524450W240	Open
ID 500 MWR Expert	524750W210	-	-	-	-	-
ID 500 M Advanced	-	525650A210	525650A220	525650A230	525650A240	Open
ID 500 MW Advanced	-	525650W210	525650W220	525650W230	525650W240	Open

* Please contact for optional wire feeder requests.

** Please contact us for different torch meters and regulator requests.

Portable TIG Welding Machines

monoTIG 200i

With HF Unit

 Stainless Steels
Steels



- Operates with 1 Phase 230V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- TIG arc ignition by HF or Lift TIG.
- Thin metal sheet welding due to its 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.

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

Standard Accessories

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

Optional Accessories

Water Cooling Unit (CSP 40)	7910005200
Gas Regulator	7020001004 / 7020001004
Electrode clamps and cable	7906202503 (25 mm ² - 3 m)
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/Off)	7910000130
Trolley	7910000100



Trolley



Foot Pedal

Portable TIG Welding Machines

monoTIG 200ip

Inverter-Pulse Technology with Advanced Functions



Stainless Steels
Steels



- 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.
- Offers 10 JOB memory.
- Interval timer for spot welding.
- 2/4 Triggering 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.
- 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.
- Standard accessories come with the machine.

monoTIG 200ip	
Mains Voltage (1-phase)	230 V - 50/60Hz
Rated Power (MMA)	9.55 kVA (%25)
Rated Power (TIG)	6.69 kVA (%25)
Welding Current Range	5 - 200 ADC
Rated Welding Current	200 ADC (%25)
Open Circuit Voltage	65 VDC
Stick Electrode Diameter Range	2.00 - 4.00 mm
Tungsten Electrode Diameter Range	1.00 - 2.40 mm
Dimensions (l x w x h)	521 x 160 x 311 mm
Weight	10.6 kg
Protection Class	IP 23

Standard Accessories

Workpiece Clamp and Cable	7905212503 (25 mm ² - 3 m)
Gas Hose	7907000002 (2 m)
Torch	7110018004

Optional Accessories

Electrode clamp and cable	7906202503 (25 mm ² - 3 m)
Gas Regulator	7020001004
Water Cooling Unit	7910005200
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/Off)	7910000130
Foot Pedal (Current Adjustable)	-
Transport Trolley	7910000100



Trolley



Foot Pedal

Portable TIG Welding Machines

monoTIG 220ip
monoTIG 220ipw

Inverter-Pulse Technology with Advanced Functions



Stainless Steels
Steels
Copper Alloys
Nickel Alloys



- Operates with 1 Phase 230V-50/60 Hz mains voltage and generators, tolerates voltage fluctuations up to 15%. Extra protection against extremely high or low supply voltages.
- Due to inverter technology, energy efficiency is higher than the conventional machines.
- TIG arc ignition by HF or Lift TIG.
- Excellent welding of thin metals due to very stable low current performance and pulse abilities.
- Advanced TIG settings; Pre-Gas, Slope-Up, Welding Current, Pulse Frequency and Width, Slope-Down, Post-Gas and Crater Filling.
- Burr-free, high quality, bright welding seams with coldTIG feature.
- Offers 100 JOB memory.
- Interval timer for spot welding.
- 2/4 Triggering and Current Adjustment via torch and foot pedal.
- Welding parameters are monitored on the digital display.
- Excellent welding characteristics for rutile and basic electrodes.
- Advanced Stick Electrode options; Hot Start for easy ignition, Arc Force for arc stability, Anti Stick to prevent electrode sticking.
- VRD for hazardous environments such as mines.
- Stable welding current without loss of performance in case of electric line fluctuations or usage with long welding and electrical cables.
- Portable design, withstands tough working conditions.
- Fan cooling and thermal protection against overheating.
- Possibility of supplying through the machine without the need for a separate 220V supply for cooling unit.
Start / Stop commands are given by the machine according to the cooling requirements.*
- Standard accessories come with the machine.

*Applies to water cooling model

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

Cooling Unit

Cooling Capacity	-	0.75 kW
Current Absorbed from Mains (60 Hz)	-	0.71 A
Dimensions	-	510.5 x 221.5 x 246.7 mm
Weight	-	11.4 kg

Standard Accessories

Workpiece Clamp and Cable	7905212503 (25 mm ² - 3 m)	7905212503 (25 mm ² - 3 m)
Gas Hose	7907000002 (2 m)	7907000002 (2 m)
Torch	7110018004	7110038004

Optional Accessories

Electrode clamp and cable	7906202503 (25 mm ² - 3 m)	7906202503 (25 mm ² - 3 m)
Gas Regulator	7020001004	7020001004
Water Cooling Unit	7910005200	-
Lava TIG 26 (8 m) Air Cooled TIG Torch	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	-
Water Cooled TIG Accessory Set (Torch + Regulator)	7910000530	7910000530
Foot Pedal (On/Off)	7910000120	7910000120
Foot Pedal (Current Adjustable)	7910000140	7910000140
Transport Trolley	7910000200	7910000200



Foot Pedal

Industrial TIG Welding Machines

ID Series

High Capacity Inverter-Pulse Technology
with Advanced Functions



Stainless Steels
Steels
Copper Alloys
Nickel Alloys

NEW



- 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 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 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.

Pulsed	ID 300 T DC Pulse	
Pulsed Water Cooled	ID 300 TW DC Pulse	NEW ID 500 TW DC Pulse
Mains Voltage (3-phase)	400 V - 50/60 Hz	400 V - 50/60 Hz
Rated Power (MMA)	16.1 kVA (30%)	25.88 kVA (25%)
Rated Power (TIG)	12.3 kVA (30%)	21.18 kVA (30%)
Welding Current Range	5 - 300 ADC	5 - 500 ADC
Rated Welding Current	300 ADC (30%)	500 ADC (30%)
Open Circuit Voltage	85 VDC	85 VDC
Stick Electrode Diameter Range	1.60 - 5.00 mm	1.60 - 6.00 mm
Tungsten Electrode Diameter Range	1.00 - 2.40 mm	1.00 - 4.00 mm
Dimensions (l x w x h)	598 x 252 x 661 mm	514 x 290 x 629 mm
Weight (Power Source)	22.5 kg	36.5 kg
Protection Class	IP 23	IP 21

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

Standard Accessories		
Workpiece Clamp and Cable	7905212503 (25 mm ² - 3 m)	7905407003 (70 mm ² - 3 m)
Gas Hose	7907000002 (2 m)	7907000002 (2 m)
Lava TIG 26 (4 m) Air Cooled TIG Torch*	7110018004	-
Lava TIG 18W (4 m) Water Cooled TIG Torch*	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)	7906207003 (70 mm ² - 3 m)
Lava TIG 26 (8 m) Air Cooled TIG Torch	7110018008	-
Lava TIG 18W (8 m) Water Cooled TIG Torch	7110038008	7110038008
Water Cooling Unit	7910005250	7910005260
Foot Pedal (On / Off)	7910000120	7910000120
Foot Pedal (Current Adjustable)	7910000140	7910000140
Torch Control Tools (2 Button / 4 Button)	7910000003 / 7910000004	7910000003 / 7910000004
Transport Trolley (4 Wheels)	7910000200	7910000200
Gas Regulator (Argon)	7020001004	7020001004
TIG Accessory Set Air Cooled (Torch + Regulator)	7910000510	7910000510
Water Cooled TIG Accessory Set (Torch + Regulator)	7910000530	7910000530

Portable TIG Welding Machines

monoTIG 220ip AC/DC
monoTIG 220ipw 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 (only in DC mode).
- 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.
- Possibility of supplying through the machine without the need for a separate 220V supply for cooling unit. Start/Stop commands are given by the machine according to the cooling requirements.*
- Standard accessories come with the machine.

* Applies to water cooling model



EN 60974-1

EN 60974 -10

RoHS

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

Cooling System

Cooling Capacity	-	0.75 kW
Rated Current (60 Hz)	-	0.71 A
Dimensions	-	569,5 x 221,5 x 246,7 mm
Weight	-	11.4 kg

Standard Accessories

Workpiece Clamp and Cable	7905212503 (25 mm ² - 3 m)	7905212503 (25 mm ² - 3 m)
Gas Hose	7907000002 (2 m)	7907000002 (2 m)
Torch	7110018004	7110018004

Optional Accessories

Electrode clamp and cable	7906202503 (25 mm ² - 3 m)	7906202503 (25 mm ² - 3 m)
Gas Regulator	7020001004	7020001004
Water Cooling Unit (CSP 45)	7910005200	-
Lava TIG 26 (8 m) Air Cooled TIG Torch	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	-
Water Cooled TIG Accessory Set (Torch + Regulator)	-	7910000530
Foot Pedal (On/Of)	7910000120	7910000120
Foot Pedal (Current Adjustable)	7910000140	7910000140
Transport Trolley	7910000200	7910000200



Foot Pedal

Industrial TIG Welding Machines

ID 350T AC/DC Pulse **NEW**

ID 350TW AC/DC Pulse

High Capacity Inverter-Pulse Technology
with Advanced Functions



Aluminium Alloys
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%.
- 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 in DC mode.
- Offers 100 JOB memory.
- Sine, triangle and square output current forms options for your works.
- Interval timer for spot welding.
- 2/4 Triggering and Current Adjustment via torch and foot pedal.
- Option to work with a potentiometer-controlled torch.
- 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.
- Fan cooling and thermal protection against overheating.
- Standard accessories come with the machine.

	NEW ID 350 T AC/DC Pulse	NEW ID 350 TW AC/DC Pulse
Mains Voltage (3-phase)	400 V - 50/60 Hz	400 V - 50/60 Hz
Rated Power (MMA)	18.2 kVA (%40)	18.2 kVA (%40)
Rated Power (TIG)	14.8 kVA (%40)	14.8 kVA (%40)
Welding Current Range	5 - 350 ADC	5 - 350 ADC
Rated Welding Current	350 ADC (%40)	350 ADC (%40)
Open Circuit Voltage	80 VDC	80 VDC
Stick Electrode Diameter Range	1.60 - 6.00 mm	1.60 - 6.00 mm
Tungsten Electrode Diameter Range	1.00 - 4.00 mm	1.00 - 4.00 mm
Dimensions (l x w x h) (Power Supply)	514 x 290 x 629 mm	514 x 290 x 629 mm
Weight (Power Source)	38 kg	38 kg
Protection Class	IP 23	IP 23

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

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

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

Optional Accessories		
Electrode Clamp and Cable	7906207003 (70 mm ² - 3 m)	7906207003 (70 mm ² - 3 m)
Lava TIG 26 (8 m) Air Cooled TIG Torch	7110018008	-
Lava TIG 18W (8 m) Water Cooled TIG Torch	-	7110038008
Water Cooling Unit	7910005260	7910005260
Foot Pedal (On / Off)	7910000120	7910000120
Foot Pedal (Current Adjustable)	7910000140	7910000140
Torch Control Tools (2 Button / 4 Button)	7910000003 / 7910000004	7910000003 / 7910000004
Transport Trolley (4 Wheels)	7910000200	7910000200
Gas Regulator (Argon)	7020001004	7020001004
Water Cooled TIG Accessory Set (Torch + Regulator)	-	7910000530

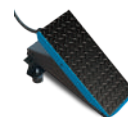
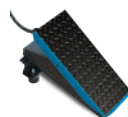
Product Codes



monoTIG 200i	511020N1M1
monoTIG 200ip	511020P1M1
monoTIG 220ip	511022P1M1
monoTIG 220ipw	511122P1M1
ID 300T DC Pulse	513030P0M1
ID 300TW DC Pulse	513230P0M1
ID 500TW DC Pulse	513250P0M1
monoTIG 220ip AC/DC	515022P1M1
monoTIG 220ipw AC/DC	515122P1M1
ID 350T AC/DC Pulse	517035P0M1
ID 350TW AC/DC Pulse	517235P0M1

* Please contact us for different torch requests.

TIG Welding Accessories



	Grounding Pliers	Water Cooling Unit	Transport Trolley	Foot Pedal (On/Off)	Foot Pedal (Current Adjustment)
monoTIG 200i	7905212503 (25 mm ² - 3 m)	7910005200	7910000100	7910000130	-
monoTIG 200ip	7905212503 (25 mm ² - 3 m)	7910005200	7910000100	7910000130	-
monoTIG 220ip	7905212503 (25 mm ² - 3 m)	7910005200	7910000200	7910000120	7910000140
monoTIG 220ipw	7905212503 (25 mm ² - 3 m)	7910005210	7910000200	7910000120	7910000140
ID 300T DC Pulse	7905212503 (25 mm ² - 3 m)	7910005250	7910000200	7910000120	7910000140
ID 300TW DC Pulse	7905212503 (25 mm ² - 3 m)	7910005250	7910000200	7910000120	7910000140
ID 500TW DC Pulse	7905407003 (70 mm ² - 3 m)	7910005260	7910000200	7910000120	7910000120
monoTIG 220ip AC/DC	7905212503 (25 mm ² - 3 m)	7910005215	7910000200	7910000120	7910000140
monoTIG 220ipw AC/DC	7905212503 (25 mm ² - 3 m)	7910005200	7910000200	7910000120	7910000140
ID 350T AC/DC Pulse	7905407003 (70 mm ² - 3 m)	7910005260	7910000200	7910000120	7910000120
ID 350TW AC/DC Pulse	7905407003 (70 mm ² - 3 m)	7910005260	7910000200	7910000120	7910000120

Portable Stick Electrode (MMA) Welding Machines

ecoSTICK

Inverter Technology for General Purpose Use



- 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 ecoSTICK for easy parameter selection.
- The smallest & the lightest of its product family, it can easily be carried or hanged 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.

* The CE mark is not available. It is offered for sale outside the EU zone.



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

Standard Accessories	ecoSTICK
Workpiece Clamp and Cable	7905102001 (20 mm ² - 1,5 m)
Electrode Clamp and Cable	7906102001 (20 mm ² - 1,5 m)

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)	7905202502 (25 mm ² - 2 m)	7905202502 (25 mm ² - 2 m)
Electrode Clamp and Cable	7906101602 (16 mm ² - 2 m)	7906101602 (16 mm ² - 2 m)	7906202502 (25 mm ² - 2 m)	7906202502 (25 mm ² - 2 m)
Wire Brush / Hammer	8369000175	-	8369000175	-
Hand Mask	8502301007	-	8502301007	-
Electrode	11101HPEM2	-	11101NPEM2	-



EN 60974-1

EN 60974 -10

RoHS

Portable Stick Electrode (MMA) Welding Machines

monoSTICK 200i

Inverter Technology for Workshops and Construction Sites



Steels
Stainless Steels



35 mm²
Connector

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

Standard Accessories

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



EN 60974-1

EN 60974 -10

RoHS

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.



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



EN 60974-1

EN 60974 -10

RoHS

Industrial Stick Electrode (MMA) Welding Machines

ID Series

Inverter Technology for Construction Sites



Steels
Stainless Steels
Cast Irons
Aluminium Alloys
Copper Alloys
Nickel Alloys



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

	ID 250E	ID 300E	ID 400E
Mains Voltage (3-phase)	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%)	22.9 kVA (35%)
Welding Current Range	5-250 ADC	5 - 300 ADC	5 - 400 ADC
Rated Welding Current	250 ADC (35%)	300 ADC (30%)	400 ADC (35%)
Open Circuit Voltage	75 VDC	85 VDC	86 VDC
Stick Electrode Diameter Range	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
Weight	10.75 kg	21 kg	32 kg
Protection Class	IP 23	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)
Electrode Clamp and Cable	7906202503 (25 mm ² - 3 m)	7906202503 (25 mm ² - 3 m)	7906203503 (35 mm ² - 3 m)

Optional Accessories

Remote Control 10m	-	7900000210	7900000210
Remote Control 20m	-	7900000220	7900000220
Remote Control 30m	-	7900000230	7900000230
Remote Control 40m	-	7900000240	7900000240
Remote Control 50m	-	7900000250	7900000250
Transport Trolley	7900000601	7900000601	7900000601
Rack (4, vertical)	7900000804	7900000804	7900000804
Rack (6, vertical)	7900000807	7900000807	7900000807
Rack (9, vertical)	7900000809	7900000809	7900000809
Lava TIG 20V (4 m) TIG Torch	7111020004	7111020004	7111020004
Lava TIG 20V (8 m) TIG Torch	7111020008	7111020008	7111020008



Transport Trolley



Rack



Remote Control

Industrial Stick Electrode (MMA) Welding Machines

ID 800E

Inverter Technology for Construction Sites



Steels
Stainless Steels
Cast Irons
Aluminium Alloys
Copper Alloys
Nickel Alloys



Single User
Carbon Cutting
Up to 800 Amps

Single Machine
2 Users Up to
400 Amps

- 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.
- Offers high carbon cutting performance
- Excellent welding characteristics for Rutile/Basic electrodes.
- Provides superior performance with power blocks consisting of 400 Amperes, delivering 800 Amperes of power.
- Opportunity to work with 2 users at the same time with separate parameters.
- Welding current is adjusted precisely by the potentiometer knob on the front panel. 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.
- Intelligent control of temperature reduces energy consumption and extends the fan and machine life (SmartFan).
- Suitable for mobile use with optional trolley.
- Standard accessories come with the machine.

ID 800E (2x400A)	
Mains Voltage (3-phase)	400 V / 50 - 60 Hz
Rated Power	52.58 kVA
Welding Current Range	60 - 800 ADC
Rated Welding Current	800 ADC (%30)
Open Circuit Voltage	90 VDC
Stick Electrode Diameter Range	2.00 - 6.00 mm
Largest Carbon Electrode Diameter	10.00 mm
Dimensions (l x w x h)	638 x 290 x 467 mm
Weight	40 kg
Protection Class	IP 23

Standard Accessories		
* Workpiece Clamp and Cable	7905203503 (35 mm ² - 3 m)	7905509503 (95 mm ² - 3 m)
* Electrode Clamp and Cable	7906203503 (35 mm ² - 3 m)	7906509503 (95 mm ² - 3 m)
* Parallel Cable	7904359002	
* It varies depending on the models. Please contact us for more information.		

Optional Accessories	
Transport Trolley	7900000601
Carbon Gouging Torch	7908201000
Lava TIG 20V (4 m) TIG Torch	7111020004
Lava TIG 20V (8 m) TIG Torch	7111020008

Industrial Stick Electrode (MMA) Welding Machines

RD 500E

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 and high carbon gauging performance for Rutile, Basic, Cellulosic electrodes up to 6.0 mm.
- 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.

* The CE mark is not available. It is offered for sale outside the EU zone.



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

Standard Accessories

Workpiece Clamp and Cable	7905407003 (70 mm ² - 3 m)
Electrode Clamp and Cable	7906407005 (70 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 Torch	7908201000

Carbon Gouging Torch



Industrial Stick Electrode (MMA) Welding Machines

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.
- 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.

* The CE mark is not available. It is offered for sale outside the EU zone.

	GL 451	GL 600
Mains Voltage (3-phase)	400 V / 50 - 60 Hz	400 V / 50 - 60 Hz
Rated Power	28.3 kVA (%35)	36.6 kVA (%35)
Welding Current Range	60 - 450 ADC	90 - 600 ADC
Rated Welding Current	400 ADC (%35)	500 ADC (%35)
Open Circuit Voltage	73 VDC	72 VDC
Stick Electrode Diameter Range	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)	920 x 660 x 900 mm	920 x 660 x 900 mm
Weight	228 kg	244 kg
Protection Class	IP 22	IP 22

Standard Accessories

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

Optional Accessories

Carbon Gouging Torch	7908201000	7908201000
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Carbon Gouging Torch



EN 60974-1

EN 60974 -10

RoHS

MPM Series



Steels
Stainless Steels
Cast Irons
Aluminium Alloys
Copper Alloys
Nickel Alloys



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

Motor	MPM 16/450 IY	MPM 500 Y	MPM 20/500 Y
Type	Yanmar 4TNV88	Yanmar 4TNV88	Yanmar 4TNV98 - STAGE IIIA
Power	24.1 HP (18 kWm)	24.1 HP	46,1 HP
Total Cylinder Capacity	2190 cm ³	2190 cm ³	3319 cm ³
Number of Cylinders	4	4	4
Cooling Type	Water	Water	Water
Operation Type	Electric	Electric	Electric
Fuel Type	Diesel	Diesel	Diesel
Fuel Consumption	3,5 l / h (%75)	3,5 l/h (75%)	6.7 l/h (%75)
Fuel Tank Volume	70 l	70 l	70 l
Dimensions (l x w x h)	1645 x 755 x 1210 mm	1620 x 750 x 1290 mm	2015 x 900 x 1300 mm
Weight	700 kg	715 kg	945 kg

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

Welding Circuit			
Rated Welding Current	400 A - 36 VDC (%60)	500 A - 30 VDC (%50)	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 - 8.00 mm	2.00 - 6.00 mm	2.00 - 6.00 mm
Largest Carbon Electrode Diameter	8 mm	8 mm	10 mm

Accessories			
Workpiece Clamp and Cable	7905407003 (70 mm ² - 5m)	7905407003 (70 mm ² - 5m)	7905407003 (70 mm ² - 5m)
Electrode Clamp and Cable	7906407005 (70 mm ² - 5m)	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)	7950000004 (2 Wheel)	7950000006 (2 Wheel)	7950000004 (2 Wheel)



	Standard (With 230V Euro Type Mains Plug)	Without Mains Plug
ecoSTICK	501M2000M2	-
miniSTICK	501M1400MF	-
miniSTICK Deluxe	501M1500MF	-
megaSTICK	501M2000MF	-
megaSTICK Deluxe	501M2001MF	-
monoSTICK 200i	501N201DMF	-
proSTICK 200i	501P200DMF	-
ID 250E	-	5030250DM1
ID 300E	-	5030300DM0
ID 400E	-	5030400DM0
** ID 800E	-	5030800DM0
RD 500E	-	502S500DM0
GL 451	-	502M4500M0
GL 600	-	502M6000M0
MPM 15 - 400 IK	-	550040W1G0
MPM 20 - 500 Y	-	550050W3G0
MPM 500 Y	-	550050W2G0
* Please contact for different plug types requests.		
** Please contact for different models.		

Stick Electrode (MMA) Welding Accessories



	Electrode Clamps	Grounding Pliers	Carbon Clamps	Remote Control	Transport Trolley	Rack
ecoSTICK	7905102001 (20 mm ² - 1,5 m)	7906102001 (20 mm ² - 1,5 m)	-	-	-	-
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 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)	-	-	7900000601	7900000804 (4 items)
				-		7900000806 (6 vertical)
				-		7900000807 (6 horizontal)
				-		7900000809 (9 items)
				-		
ID 300E	7906202503 (25 mm ² - 3 m)	7905212503 (25 mm ² - 3 m)	-	7900000210 (10 m)	7900000601	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)	7900000601	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 800E	* 7906203503 (35 mm ² - 3 m)	* 7905203503 (35 mm ² - 3 m)	-	-	7900000601	-
	* 7906509503 (95 mm ² - 3 m)	* 7905509503 (95 mm ² - 3 m)	-	-	7900000601	-
	* It varies depending on the models. Please contact us for more information.					
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)	-	-
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	-	-	-

miniCUT

Experience Power and Speed with Magmaweld Plasma



Steels
Stainless Steels
Cast Irons
Aluminium Alloys
Copper Alloys
Nickel Alloys



- Plasma cutting machine with inverter technology
- Excellent cutting performance with all types of metal with its advanced design
- Maximum cutting capacity of 10 mm in high precise without loss of performance in all metal types, including aluminum and stainless
- Different trigger modes that provide convenience to the user
- Faster and cleaner cutting performance compared to oxyfuel
- Manual adjustment for optimum gas pressure
- The smallest & the lightest of its product family, it can easily be carried.
- 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
- Impact resistant, robust, reinforced steel body
- Easy mobility with its ergonomic structure
- No performance loss due to mains voltage fluctuations and ambient temperature changes

miniCUT	
Mains Voltage	230 V / 50 - 60 Hz
Current Absorbed from Mains	22.5 A
Cutting Current Range	15 A - 30 A
Duty Cycle	30 A (% 50)
Open Circuit Voltage	280 VDC
Recommended Cutting Thickness (all metals)	8 mm
Maximum Cutting Thickness (all metals)	10 mm
Dimensions (l x w x h)	402 x 121 x 200 mm
Weight	7.5 kg
Plasma Gas	Clean, dry, oil-free air or nitrogen
Protection Gas	Clean, dry, oil-free air or nitrogen
Recommended Gas Pressure	5 bar- 130 lt/min.
Protection Class	IP 23S

Plasma Cutting Machines

monoCUT 45ix monoCUT 45i

Experience Power and Speed with Magmaweld Plasma



Steels
Stainless Steels
Cast Irons
Aluminium Alloys
Copper Alloys
Nickel Alloys



- Plasma cutting machine with inverter technology
- Excellent cutting and gouging performance with all types of metal with its advanced design
- Maximum cutting capacity of 22 mm, piercing of 14 mm and severance of 28 mm in high precise without loss of performance in all metal types, including aluminum and stainless
- Different cutting modes that provide convenience to the user
- Faster and cleaner cutting performance compared to oxyfuel (up to 20 mm)
- Provides significant energy savings and minimizes being affected by voltage fluctuations with PFC technology
- Automatic adjustment for optimum gas pressure in monoCUT 45ix model
- Different torch and consumables 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

monoCUT 45ix / monoCUT 45i	
Mains Voltage	230 V / 50 - 60 Hz
Current Absorbed from Mains	16 A
Cutting Current Range	20 A - 45 A
Duty Cycle	45 A (% 50)
Open Circuit Voltage	290 VDC
Recommended Cutting Thickness	16 mm
Maximum Cutting Thickness	22 mm
Severance Thickness (manuel cutting)	28 mm
Dimensions (l x w x h)	575 x 160 x 311 mm
Weight	14 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 23S

Plasma Cutting Machines

ID 65 PX

ID 65 P

Experience Power and Speed with Magmaweld Plasma



Steels
Stainless Steels
Cast Irons
Aluminium Alloys
Copper Alloys
Nickel Alloys



- Plasma cutting machine with inverter technology
- Excellent cutting and gouging performance with all types of metal with its advanced structure
- High quality 26 mm burr-free cutting, 17 mm pierce and 33 mm severance capacity without loss of performance in all metal types including aluminum and stainless steel
- Different cutting modes that provide convenience to the user
- Faster and cleaner cutting performance compared to oxyfuel (up to 20 mm)
- Automatic adjustment for optimum gas pressure in ID 65 PX model
- Different torch and consumable options for special applications
- Easy setting and monitoring with user friendly interface
- More uptime and maximum performance with strong torches and consumables
- Save time with more precise and smoother cutting
- Easy connection to the automation interface
- Impact resistant, robust, reinforced steel body
- Easy mobility with its ergonomic structure
- No performance loss due to mains voltage fluctuations and ambient temperature changes

ID 65 PX / ID 65 P	
Mains Voltage	400 V / 50 - 60 Hz
Current Absorbed from Mains	17,8 A
Cutting Current Range	20 A - 65 A
Duty Cycle	65 A (% 50)
Open Circuit Voltage	270 VDC
Recommended Cutting Thickness (all metals)	21 mm
Maximum Cutting Thickness (all metals)	26 mm
Severance Thickness (all metals) (manuel cutting)	33 mm
Piercing Thickness (Mechanized System)	17 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 l/min.
Protection Class	IP 21S



Plasma Cutting Machines

ID 130 PX

ID 130 P

Experience Power and Speed with Magmaweld Plasma



Steels
Stainless Steels
Cast Irons
Aluminium Alloys
Copper Alloys
Nickel Alloys



- Plasma cutting machine with inverter technology
- Excellent cutting and gouging performance with all types of metal with its advanced structure
- High quality 40 mm burr-free cutting, 26 mm pierce and 58 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 130 PX model
- Different torch and consumable options for special applications
- Easy setting and monitoring with user friendly interface
- More uptime and maximum performance with strong torches and consumables
- Save time with more precise and smoother cutting
- Easy connection to the automation interface
- Impact resistant, robust, reinforced steel body
- Easy mobility with its ergonomic structure
- No performance loss due to mains voltage fluctuations and ambient temperature changes

ID 130 PX /ID 130 P	
Mains Voltage	400 V / 50 - 60 Hz
Current Absorbed from Mains	37,6A
Cutting Current Range	30 A - 130 A
Duty Cycle	130 A (% 100)
Open Circuit Voltage	280 VDC
Recommended Cutting Thickness (all metals)	40 mm
Maximum Cutting Thickness (all metals)	45 mm
Severance Thickness (all metals) (manuel cutting)	58 mm
Piercing Thickness (Mechanized System)	26 mm
Dimensions (l x w x h)	674.1 x 267 x 549.2 mm
Weight	44 kg
Plasma Gas	Clean, dry, oil-free air or nitrogen
Protection Gas	Clean, dry, oil-free air or nitrogen
Recommmended Gas Pressure	6 bar- 300 lt/min.
Protection Class	IP 21S

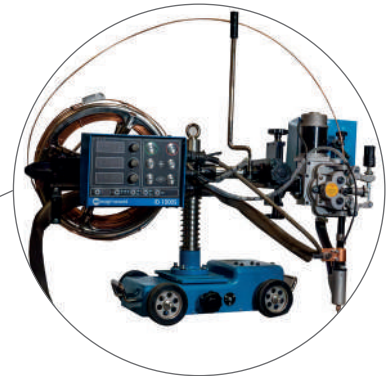
ID 1000S HANGING TYPE **NEW**

ID 1000S TRACTOR TYPE

Inverter Technology for Demanding Applications



Steels
Stainless Steels
Copper Alloys



- Equipped with digital process control technology.
- Controls all welding parameters individually on each welding head.
- All welding parameters can be programmed easily and accurately.
- Provides communication capability via CanBus and ModBus protocols.
- Inverter-based structure ensures more stable welding current and voltage, resulting in higher efficiency.
- Modular design allows for flexible configuration.
- Two or more power sources can be easily connected in parallel for higher current demands.
- Offers 3 program memory slots.
- Includes fuse protection function.
- Provides constant current or constant voltage control modes.
- Direct current (DC) ensures deeper penetration.
- Features overvoltage protection against voltage fluctuations.
- Smart fan function enables intelligent temperature and fan control.
- Thermal protection safeguards against overcurrent and overheating.
- High energy efficiency is achieved thanks to the inverter structure.
- IP23 protection class ensures suitability for outdoor use.

Welding Head and Tractor

- Welding voltage, wire feed speed, and tractor speed are controlled and monitored via digital displays on the control unit.
- * Optionally, positioners, cylinders, and linear tables can also be controlled and monitored.
- The tractor can perform automatic welding by moving along 1.8-meter extension rails independently of the operator.
- Wire can be fed from spools up to 435 mm in diameter, as well as from drums and basket-type packaging.
- Equipped with a flow valve mechanism to ensure continuous flux feeding.
- Available in Tractor or Stationary Welding Head models.
- Optional dust collection unit can be connected.
- Easily integrable into existing systems.
- Optional motors can be used, provided they are equivalent to the Magmaweld system motor.



EN 60974-1

EN 60974 -10

RoHS

Power Source	
Mains Voltage	400 V
Input Current	84 A
Rated Current	1000 A / %100
Current Adjustment Range	50 A - 1000 A / 15 V - 44 V
Weight	142 kg
Dimensions (W x D x H)	873,5 x 550 x 1027 mm

SubArc Digital Interface	
Mains Voltage Input Current	48 VAC 1 Phase, 10 A, 50/60 Hz and 24 VDC
Power Source Type	Constant Current (cc), Constant Voltage (CV), DC
Weight	3,5 Kg
Dimensions (W x D x H)	127 x 288 x 196 mm

Welding Head	
Mains Voltage	110 VDC
Wire Thickness	φ 2.4, φ 3.2, φ 4.0 mm
Wire Feed Speed	20 - 155 cm/min
Wire Feeding Method	Constant or Alternating Wire Feeding
Horizontally Adjustable Range (Tractor Head)	100 mm
Horizontal Rotation Angle (Head Around the Column)	±90°
Front-Rear Tilt Angle (Tractor Head)	±45°
Left-Right Tilt Angle (Tractor Head)	±45°
Flux Hopper Capacity	8 L
Wire Spool Capacity	25 Kg

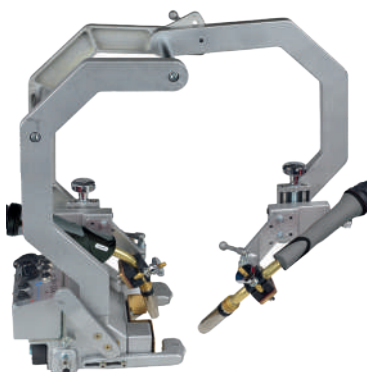
Tractor	
Mains Voltage	110 VDC
Welding Speed	20 ~ 155 cm/min
Weight (Excluding Flux and Wire)	54 kg
Dimensions (L x W x H) (Including Welding Head)	1030 x 300 x 1000 mm

Welding and Cutting Carriages

HK6A I Single Torch

HK6A II Double Torch

HK6A 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.

HK6A W Oscillation model:

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

Technical Specifications	HK6A I Single Torch	HK6A II Double Torch	HK6A 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 (Main Body)	6.9 kg	12.6 kg	12 kg
Product Code	560M0000M0	560M0010M0	560M0001M0
Oscillation Right/Left Timing	-	-	0 - 2,5 sec.
Oscillation Deviation	-	-	0 - ±8°
Oscillation Speed	-	-	0 - 100°
Oscillation Angle	-	-	±15°
Oscillation Modes	-	-	

Standard Accessories

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

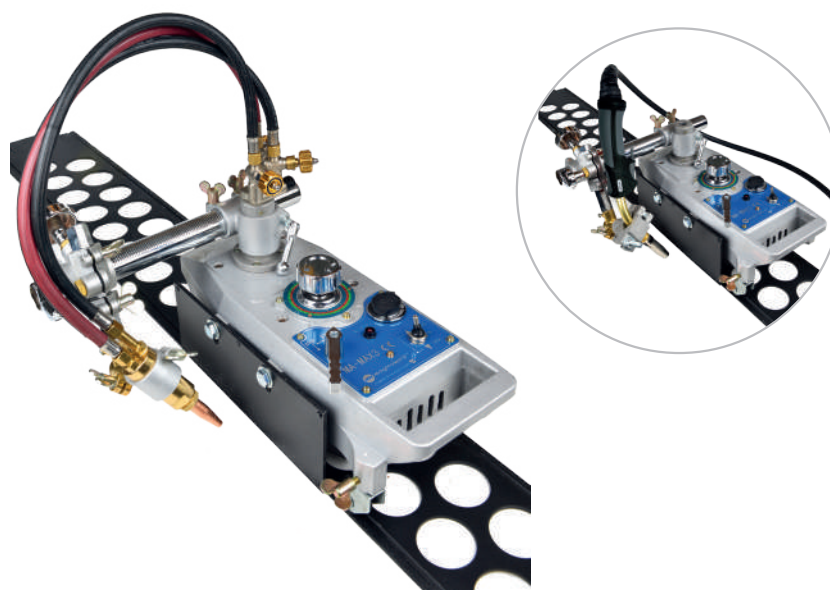
Optional Accessories

Twin Torch Parts	7960000001	-	-
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Welding and Cutting Carriages

HK12 Max 3

Oxygen and Plasma Cutting Tractor



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

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

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

Lava MIG Series

Magmaweld MIG torches will meet with your requirements on Price / Performance ratios.

Consumables

Easy to find top quality and affordable consumables.

Swan Neck

Specially designed swan neck with high thermal conductivity power.

Control Button*

With interchangeable 3/4 button options, remote control functions can be activated.

Grip Handle

Screwless, patented design combines balance, lightness and ergonomics. It offers a comfortable use to the welder with its upper and lower non-slip surfaces. It can be disassembled and served in seconds.

Ergonomic Trigger*

The robust and precise trigger mechanism is designed to be disassembled and serviced in seconds.



Connection Pins

Brass pins supported by an unbreakable spring. It provides highest conductivity and durability.

Back Connector and Ports

Case made of glass-reinforced polymer material and manufactured in accordance with EN 60974-1 standards. Connection points provides high strength and impermeability together with precision production technology.



Cable Support

With pressed polymer material carries the strength to the next level.

Cable Assembly

Cable assembly with Duraflex material in air cooled models has high heat and abrasion resistance. Polymer support with cross-link structure offers resistance up to 3750C.

At water-cooled models, Hydroflex material used at outer sheath. It offers high strength and thermal insulation with flexible structure.

Cable/Hose Protection

At water-cooled models, the water inlet and outlet hoses are supported by polymer from the connector outlet and strength is increased.

Cable harness is suitable for heavy usage conditions with steel spring support.

*It varies according to the model.

Lava MIG Series

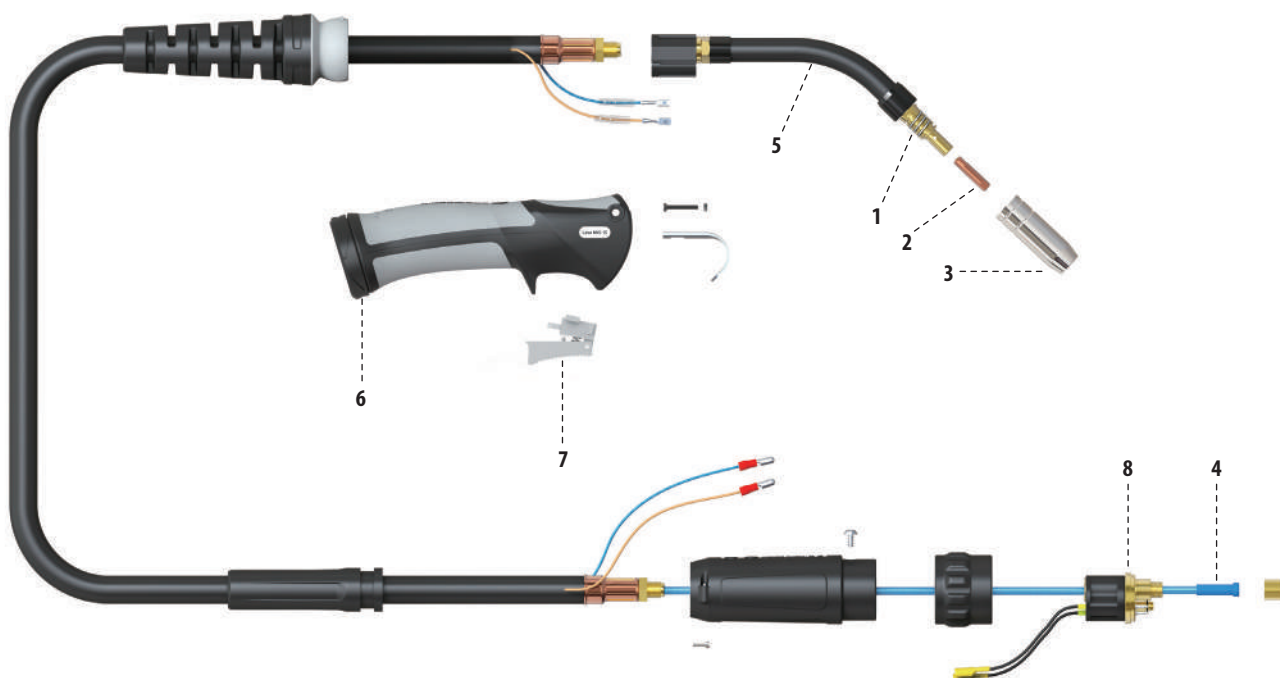
Magmaweld MIG torches will meet with your requirements on Price / Performance ratios.



Technical Specifications		Lava MIG 15	Lava MIG 25	Lava MIG 35	Lava MIG 40	Lava MIG 50W/WR	Lava MIG 65W
Current	CO ₂	180 A	230 A	320 A	340 A	500 A / (WR) 500 A	550 A
Duty Cycle		%60	%60	%60	%60	%100	%100
Cooling Type		Air	Air	Air	Air	Water	Double Water
Product Codes	Torch 3 m	7120015003	7120020003	7120035003	7120040003	7120050003 / (WR) 7120150003	7120160003
	4 m	7120015004	7120020004	7120035004	7120040004	7120050004 / (WR) 7120150004	7120160004
	5m	7120015005	7120020005	7120035005	7120040005	7120050005 / (WR) 7120150005	7120160005
	CO ₂ Regulator	7020001005					
	Argon/Mix Regulator	7020001004					
	CO ₂ Heater 220V	7020009002					
	CO ₂ Heater 24V	7020009003					

Lava MIG 15

180A CO₂ 150A mix gas, EN60974-7 @ %60 Duty Cycle, 0,6 – 1.00 mm Wire Diameter

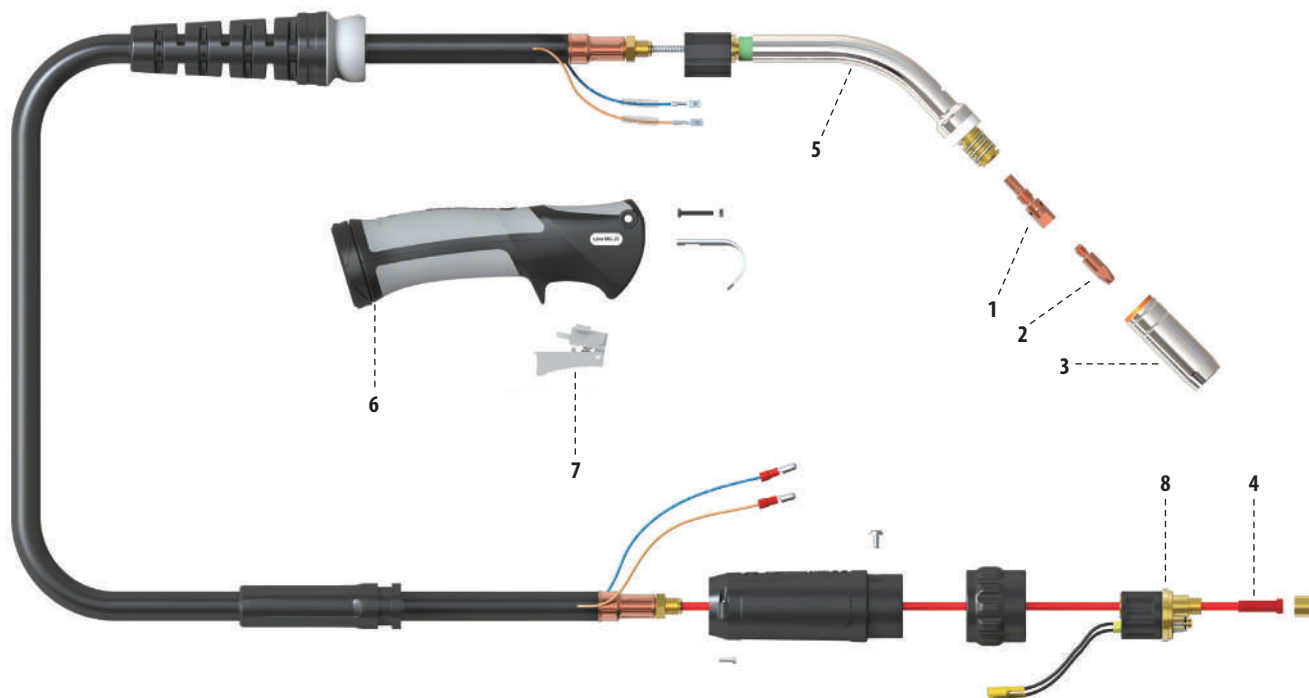


Model	Product Code		
	3 m	4 m	5 m
Lava MIG 15	7120015003	7120015004	7120015005

Consumables					
Part No.	Product Name	Product Code	Part No.	Product Name	Product Code
1	Tip Holder	7026000156	4	Teflon Liner	
2	Contact Tips			0.6 - 0.9 mm / 3 m	7025530610
	M6 x 0.6 x L25 mm	7023062506		0.6 - 0.9 mm / 4 m	7025540610
	M6 x 0.8 x L25 mm	7023062508		1.0 - 1.2 mm / 3 m	7025531012
	M6 x 1.0 x L25 mm	7023062510		1.0 - 1.2 mm / 4 m	7025541012
	M6 x 1.2 x L25 mm	7023062512		1.0 - 1.2 mm / 5 m	7025551012
3	Nozzle (Ø12 x 53 mm)	7022001253	5	Swan Neck	Y522000562
4	Steel Liner		6	Handle	Y522000559
	0.6 - 0.9 mm / 3 m	7025030609	7	Trigger Switch	Y522000560
	0.6 - 0.9 mm / 4 m	7025040609	8	Euro Connector	Y522000561
	0.6 - 0.9 mm / 5 m	7025050609			
	1.0 - 1.2 mm / 3 m	7025031012			
	1.0 - 1.2 mm / 4 m	7025041012			
	1.0 - 1.2 mm / 5 m	7025051012			

Lava MIG 25

230A CO₂ 200A mix gas, EN60974-7 @ %60 Duty Cycle, 0,8 – 1.20 mm Wire Diameter

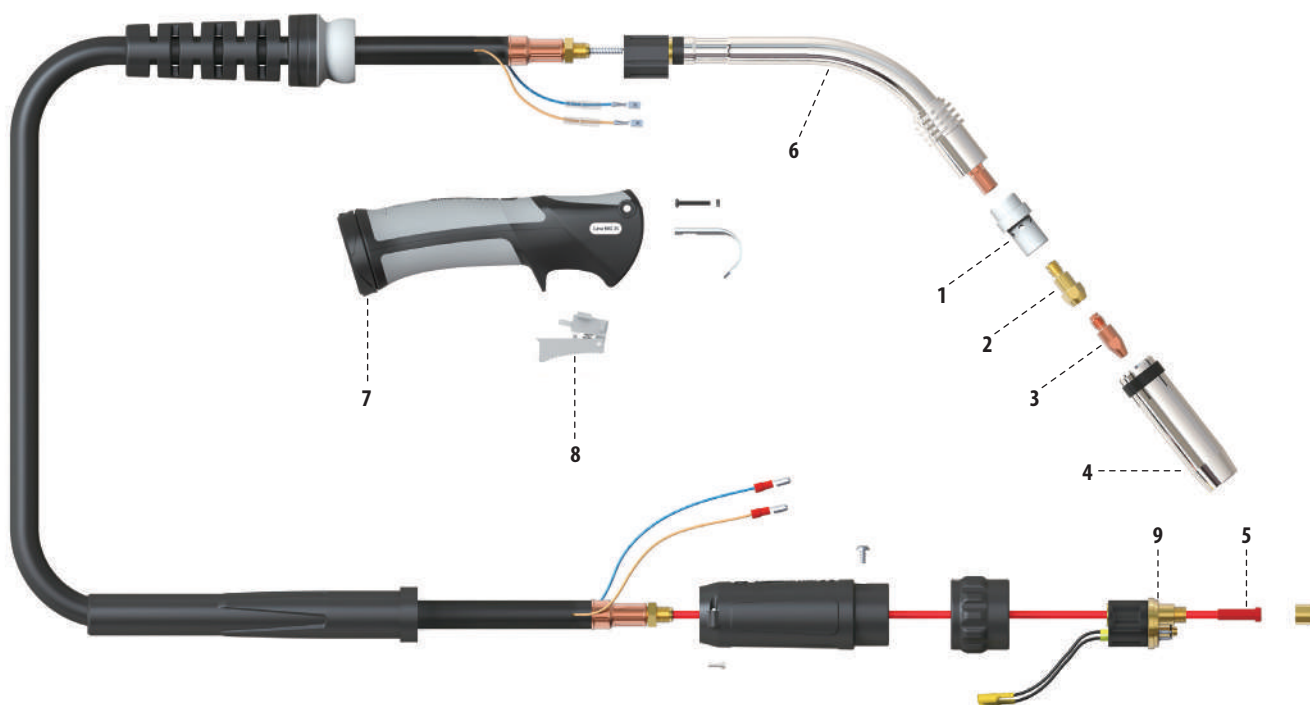


Model	Product Code		
	3 m	4 m	5 m
Lava MIG 25	7120020003	7120020004	7120020005

Consumables					
Part No.	Product Name	Product Code	Part No.	Product Name	Product Code
1	Tip Holder (M6)	7026000256	4	Teflon Liner	
2	Contact Tips			0.6 - 0.9 mm / 3 m	7025530610
	M6 x 0.6 x L28 mm	7023062806		0.6 - 0.9 mm / 4 m	7025540610
	M6 x 0.8 x L28 mm	7023062808		1.0 - 1.2 mm / 3 m	7025531012
	M6 x 1.0 x L28 mm	7023062810		1.0 - 1.2 mm / 4 m	7025541012
	M6 x 1.2 x L28 mm	7023062812		1.0 - 1.2 mm / 5 m	7025551012
3	Nozzle Narrow (Ø12 x 57.5 mm)	7022011253	5	Swan Neck	Y522000563
	Nozzle Conical (Ø15 x 57.5 mm)	7022001554	6	Handle	Y522000559
4	Steel Liner		7	Trigger Switch	Y522000560
	0.6 - 0.9 mm / 3 m	7025030609	8	Euro Connector	Y522000561
	0.6 - 0.9 mm / 4 m	7025040609			
	0.6 - 0.9 mm / 5 m	7025050609			
	1.0 - 1.2 mm / 3 m	7025031012			
	1.0 - 1.2 mm / 4 m	7025041012			
	1.0 - 1.2 mm / 5 m	7025051012			

Lava MIG 35

320A CO₂ 290A mix gas, EN60974-7 @ %60 Duty Cycle, 0,8 – 1.20 mm Wire Diameter



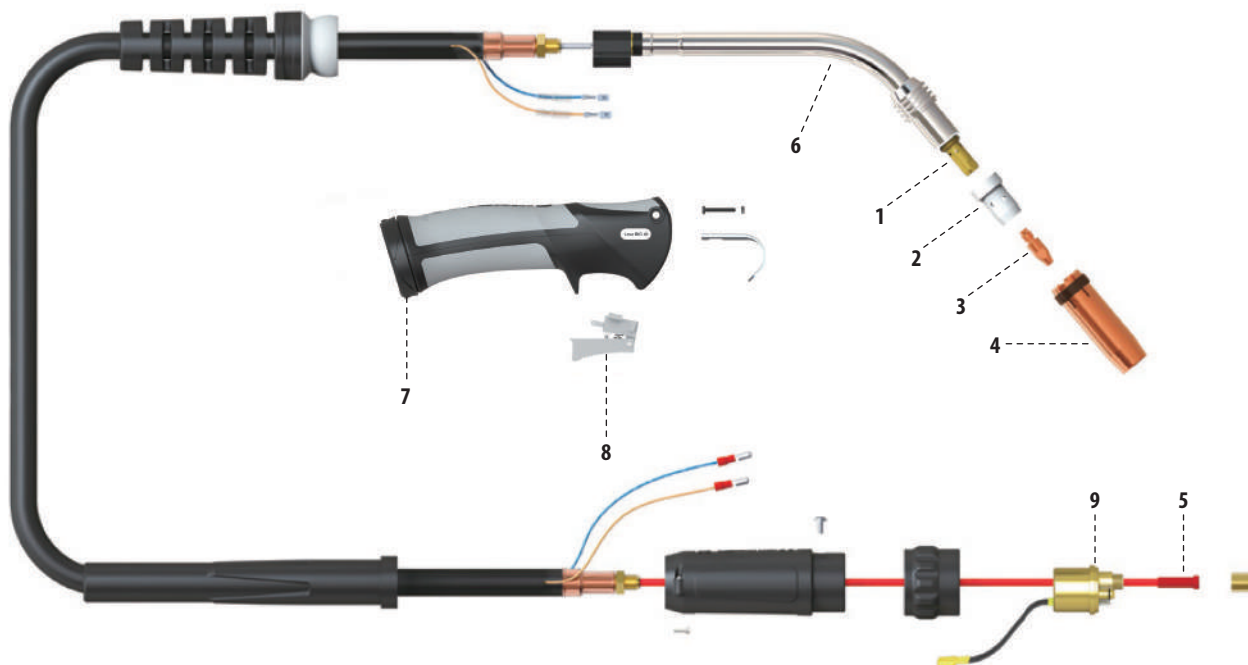
Model	Product Code		
	3 m	4 m	5 m
Lava MIG 35	7120035003	7120035004	7120035005

Consumables					
Part No.	Product Name	Product Code	Part No.	Product Name	Product Code
1	Gas Diffuser	7024100035	5	Steel Liner	
2	Tip Holder (M6) (Optional)	7026000356		1.2 - 1.6 mm / 4 m	7025041216
	Tip Holder (M8) (Standard)	7026000358		1.2 - 1.6 mm / 5 m	7025051216
3	Contact Tips			1.6 - 2.4 mm / 3 m	7025032024
	M6 x 0.6 x L28 mm	7023062806		1.6 - 2.4 mm / 4 m	7025042024
	M6 x 0.8 x L28 mm	7023062808		1.6 - 2.4 mm / 5 m	7025052024
	M6 x 1.0 x L28 mm	7023062810	5	Teflon Liner	
	M6 x 1.2 x L28 mm	7023062812		1.0 - 1.2 mm / 3 m	7025531012
	M8 x 0.8 x L30 mm	7023083008		1.0 - 1.2 mm / 4 m	7025541012
	M8 x 1.0 x L30 mm	7023083010		1.0 - 1.2 mm / 5 m	7025551012
	M8 x 1.2 x L30 mm	7023083012		1.2 - 1.6 mm / 3 m	7025531216
4	Nozzle (Ø16 x 83 mm)	7022001684		1.2 - 1.6 mm / 4 m	7025541216
5	Steel Liner			1.2 - 1.6 mm / 5 m	7025551216
	1.0 - 1.2 mm / 3 m	7025031012	6	Swan Neck	Y522000562
	1.0 - 1.2 mm / 4 m	7025041012	7	Handle	Y522000559
	1.0 - 1.2 mm / 5 m	7025051012	8	Trigger Switch	Y522000560
	1.2 - 1.6 mm / 3 m	7025031216	9	Euro Connector	Y522000561

Air Cooled MIG Torch

Lava MIG 40

340A CO₂ 300A mix gas, EN60974-7 @ %60 Duty Cycle, 1.00 – 1.60 mm Wire Diameter

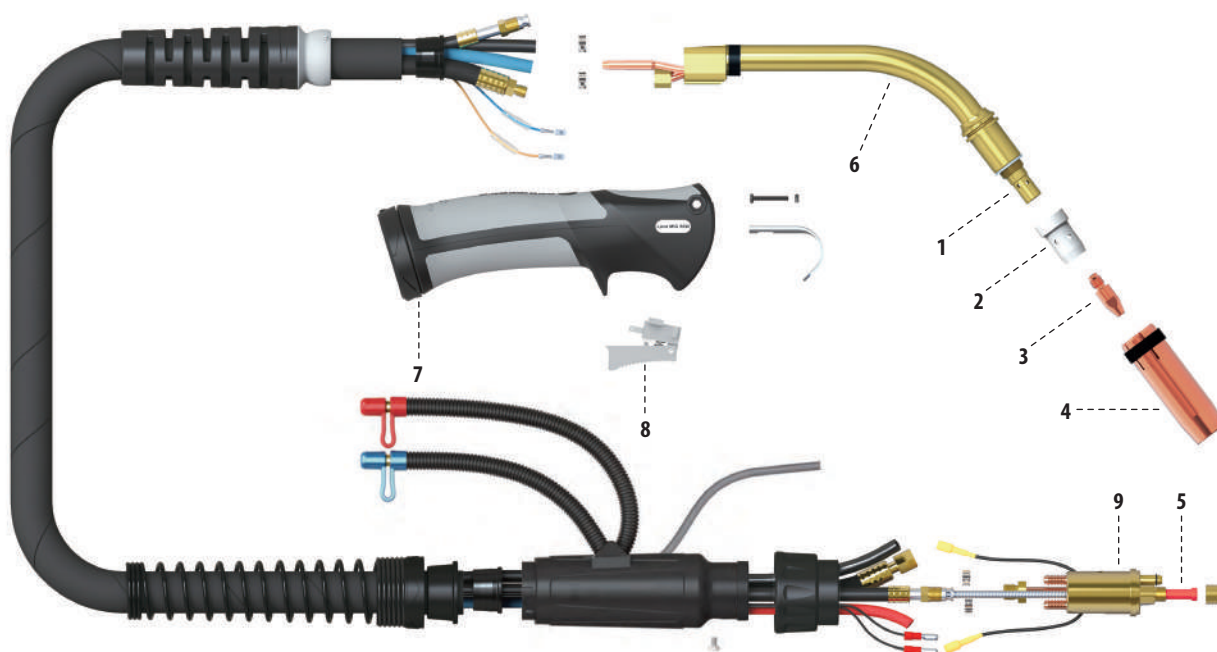


Model	Product Code		
	3 m	4 m	5 m
Lava MIG 40	7120040003	7120040004	7120040005

Consumables					
Part No.	Product Name	Product Code	Part No.	Product Name	Product Code
1	Tip Holder (M8)	7026000408	5	Steel Liner	
2	Gas Diffuser	7024100050		1.6 - 2.4 mm / 3 m	7025032024
3	Contact Tips			1.6 - 2.4 mm / 4 m	7025042024
	M8 x 0.8 x L30 mm	7023083008		1.6 - 2.4 mm / 5 m	7025052024
	M8 x 1.0 x L30 mm	7023083010	5	Teflon Liner	
	M8 x 1.2 x L30 mm	7023083012		1.0 - 1.2 mm / 3 m	7025531012
	M8 x 1.6 x L30 mm	7023083016		1.0 - 1.2 mm / 4 m	7025541012
4	Nozzle (Ø16 x 76 mm)	7022001675		1.0 - 1.2 mm / 5 m	7025551012
5	Steel Liner			1.2 - 1.6 mm / 3 m	7025531216
	1.0 - 1.2 mm / 3 m	7025031012		1.2 - 1.6 mm / 4 m	7025541216
	1.0 - 1.2 mm / 4 m	7025041012		1.2 - 1.6 mm / 5 m	7025551216
	1.0 - 1.2 mm / 5 m	7025051012	6	Swan Neck	Y522000565
	1.2 - 1.6 mm / 3 m	7025031216	7	Handle	Y522000559
	1.2 - 1.6 mm / 4 m	7025041216	8	Trigger Switch	Y522000560
	1.2 - 1.6 mm / 5 m	7025051216	9	Euro Connector	Y522000561

Lava MIG 50W

500A CO₂ 450A mix gas, EN60974-7 @ %100 Duty Cycle, 1.00 – 1.60 mm Wire Diameter

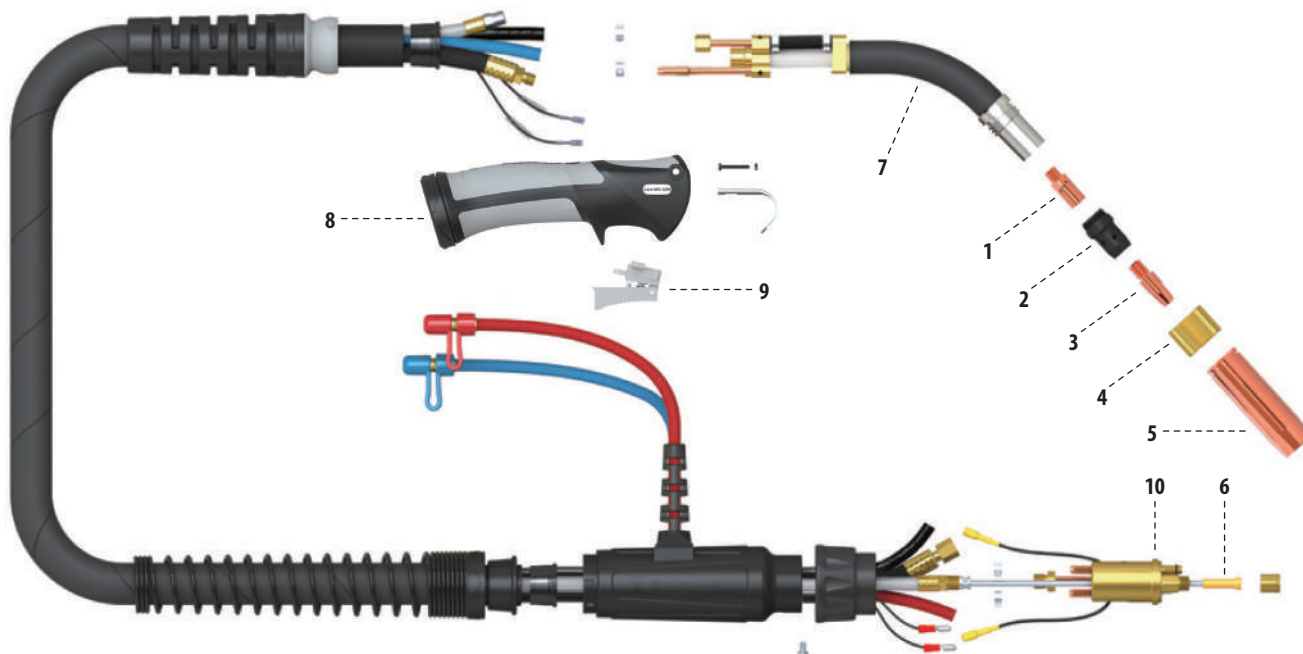


Model	Product Code		
	3 m	4 m	5 m
Lava MIG 50W	7120050003	7120050004	7120050005

Consumables					
Part No.	Product Name	Product Code	Part No.	Product Name	Product Code
1	Tip Holder (M8)	7026000508	5	Steel Liner	
2	Gas Diffuser	7024100050		1.6 - 2.4 mm / 3 m	7025032024
3	Contact Tips			1.6 - 2.4 mm / 4 m	7025042024
	M8 x 0.8 x L30 mm	7023083008		1.6 - 2.4 mm / 5 m	7025052024
	M8 x 1.0 x L30 mm	7023083010	5	Teflon Liner	
	M8 x 1.2 x L30 mm	7023083012		1.0 - 1.2 mm / 3 m	7025531012
	M8 x 1.6 x L30 mm	7023083016		1.0 - 1.2 mm / 4 m	7025541012
	M8 x 2.0 x L30 mm	7023083020		1.0 - 1.2 mm / 5 m	7025551012
	M8 x 2.4 x L30 mm	7023083024		1.2 - 1.6 mm / 3 m	7025531216
4	Nozzle (Ø16 x 76 mm)	7022001675		1.2 - 1.6 mm / 4 m	7025541216
5	Steel Liner			1.2 - 1.6 mm / 5 m	7025551216
	1.0 - 1.2 mm / 3 m	7025031012		1.6 - 2.0 mm / 3 m	7025531620
	1.0 - 1.2 mm / 4 m	7025041012		1.6 - 2.0 mm / 4 m	7025541620
	1.0 - 1.2 mm / 5 m	7025051012		1.6 - 2.0 mm / 5 m	7025551620
	1.2 - 1.6 mm / 3 m	7025031216	6	Swan Neck	Y522000566
	1.2 - 1.6 mm / 4 m	7025041216	7	Handle	Y522000559
	1.2 - 1.6 mm / 5 m	7025051216	8	Trigger Switch	Y522000560
			9	Euro Connector	Y522000561

Lava MIG 65W

550A CO₂ 500A mix gas, EN60974-7 @ %100 Duty Cycle, 1.00 – 1.60 mm Wire Diameter

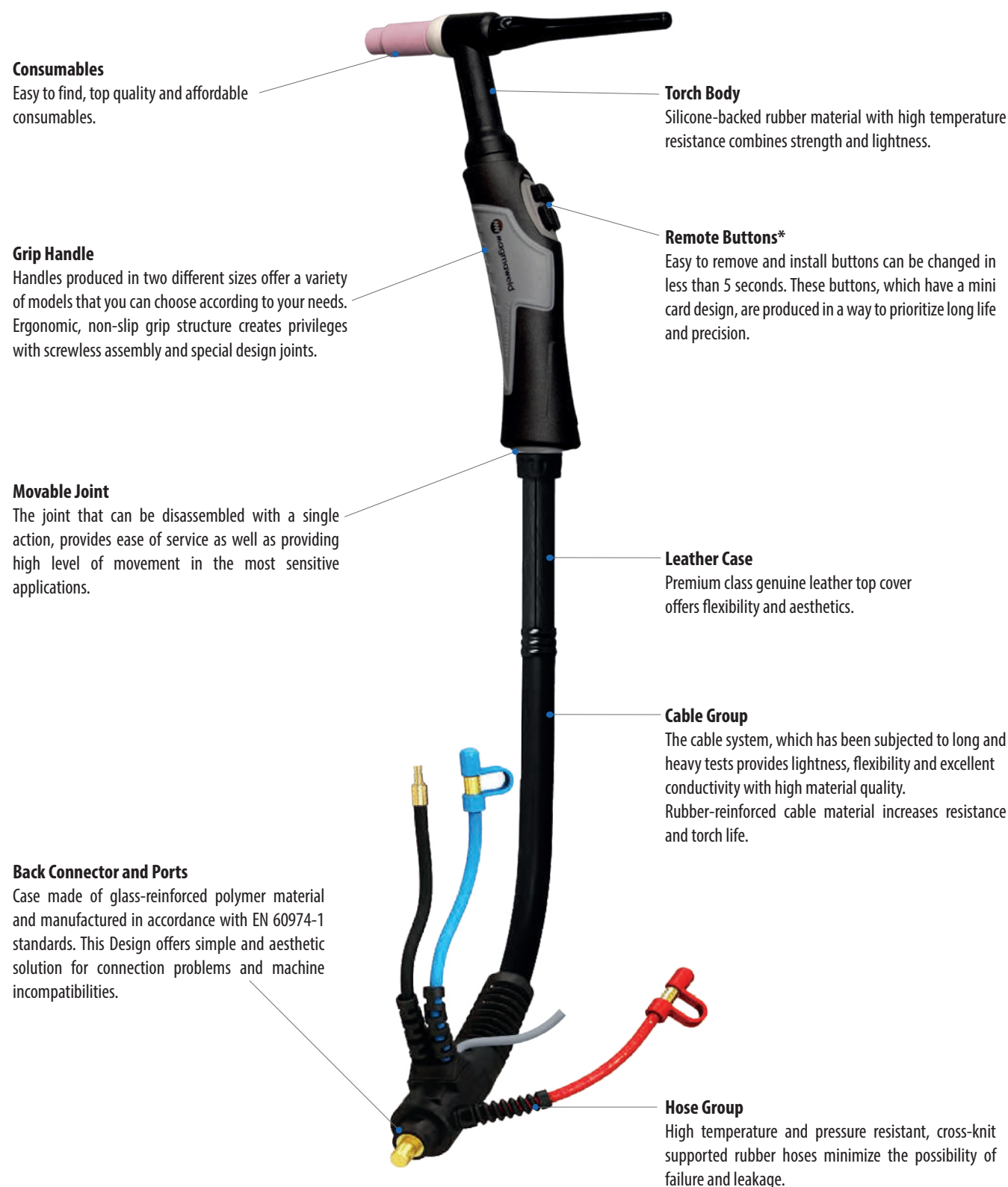


Model	Product Code		
	3 m	4 m	5 m
Lava MIG 65W	7120160003	7120160004	7120160005

Consumables					
Part No.	Product Name	Product Code	Part No.	Product Name	Product Code
1	Tip Holder (M10)	7026000610	6	Steel Liner	
2	Gas Diffuser	7024100065		1.6 - 2.4 mm / 3 m	7025031624
3	Contact Tips			1.6 - 2.4 mm / 4 m	7025041624
	M10 x 1.0 x L35 mm	7023213510		1.6 - 2.4 mm / 5 m	7025051624
	M10 x 1.2 x L35 mm	7023213512	6	Teflon Liner	
	M10 x 1.6 x L35 mm	7023213516		1.0 - 1.2 mm / 3 m	7025531012
	M10 x 2.0 x L35 mm	7023213520		1.0 - 1.2 mm / 4 m	7025541012
	M10 x 2.4 x L35 mm	7023213524		1.0 - 1.2 mm / 5 m	7025551012
	M10 x 2.8 x L30 mm	7023213528		1.2 - 1.6 mm / 3 m	7025531216
4	Nozzle Adapter	7022302821		1.2 - 1.6 mm / 4 m	7025541216
5	Nozzle (Ø17 x 77 mm)	7022101777		1.2 - 1.6 mm / 5 m	7025551216
6	Steel Liner			1.6 - 2.0 mm / 3 m	7025531620
	1.0 - 1.2 mm / 3 m	7025031012		1.6 - 2.0 mm / 4 m	7025541620
	1.0 - 1.2 mm / 4 m	7025041012		1.6 - 2.0 mm / 5 m	7025551620
	1.0 - 1.2 mm / 5 m	7025051012	7	Swan Neck	Y522000567
	1.2 - 1.6 mm / 3 m	7025031216	8	Handle	Y522000558
	1.2 - 1.6 mm / 4 m	7025041216	9	Trigger Switch	Y522000560
	1.2 - 1.6 mm / 5 m	7025051216	10	Euro Connector	Y522000561

Lava TIG Series

Magmaweld TIG torches that will take you to the top in lightness and ergonomics.



*It varies according to the model.

Lava TIG Series

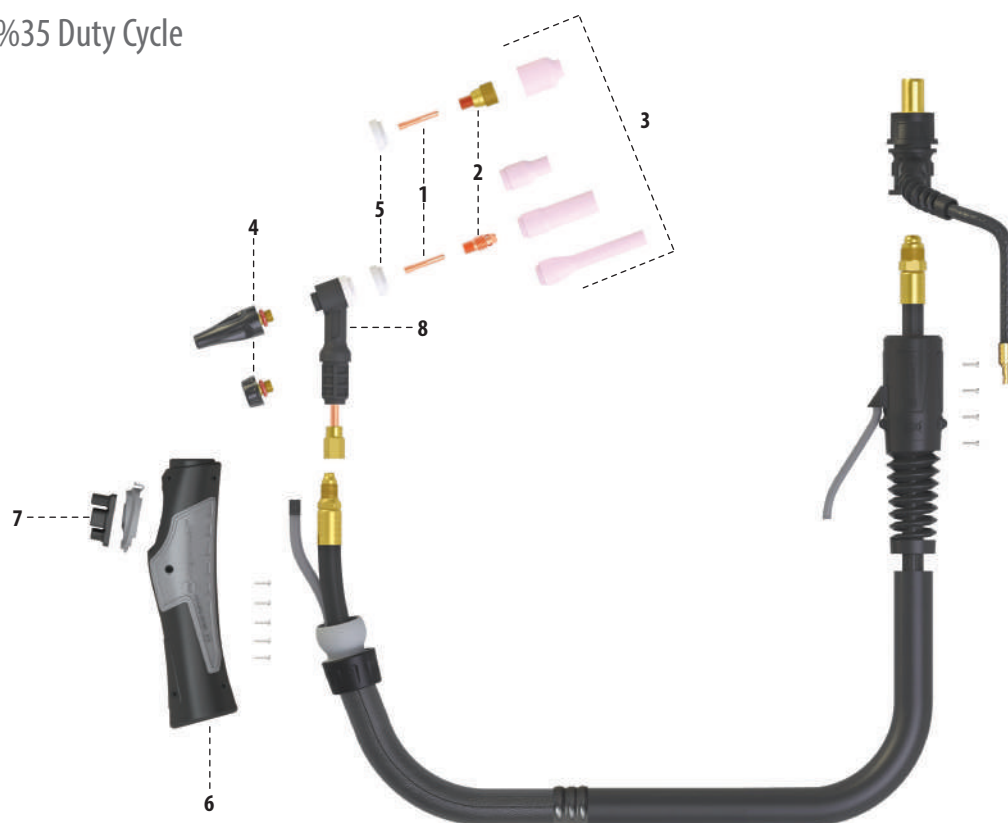
Magmaweld TIG torches will take you to the top at ergonomics and lightness.



Technical Specifications		Lava TIG 9	Lava TIG 17	Lava TIG 26	Lava TIG 24	Lava TIG 20W	Lava TIG 18W
Current	DC	125 A	150 A	180 A	180 A	225 A	380 A
	AC	90 A	105 A	125 A	125 A	160 A	270 A
Duty Cycle		%35	%35	%35	%35	%100	%100
Cooling Type		Air	Air	Air	Air	Water	Water
Product Codes	Torch 4 m	7110012504	7110013504	7110018004	7110018104	7110022504	7110022508
	8 m	7110012508	7110013508	7110018008	7110018108	7110022508	7110038008
	Regulator	7020001004					

Lava TIG 9

125A DC, EN60974-7 @ %35 Duty Cycle

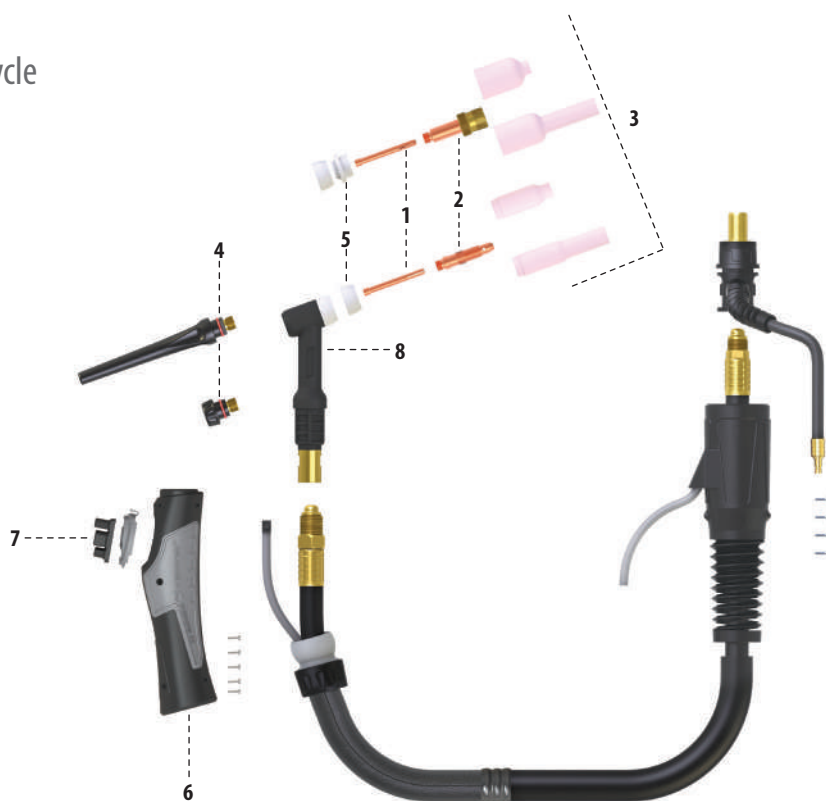


Model	Product Code	
	4 m	8 m
Lava TIG 9	7111040125	7111080125

Consumables					
Part No.	Product Name	Product Code	Part No.	Product Name	Product Code
1	Collet		3	Ceramic Nozzle	
	1.0 mm	7012010010		Ø11 - L30 mm No: 7	7014021107
	1.6 mm	7012010016		Ø12.5 - L30 mm No: 8	7014021208
	2.0 mm	7012010020		Ø16 - L30 mm No: 10	7014021610
	2.4 mm	7012010024		Ø5 - L48 mm No: 3 (Long)	7014030503
2	Collet Body			Ø6 - L48 mm No: 4 (Long)	7014030604
	1.0 mm	7013010110		Ø8 - L48 mm No: 5 (Long)	7014030805
	1.6 mm	7013010116		Ø10 - L48 mm No: 6 (Long)	7014031006
	2.0 mm	7013010120		Ø6 - L25 mm No: 4 (with lens)	7014140604
	2.4 mm	7013010124		Ø8 - L25 mm No: 5 (with lens)	7014140805
	1.0 mm (with lens)	7016010010		Ø10 - L25 mm No: 6 (with lens)	7014141006
	1.6 mm (with lens)	7016010016		Ø11 - L25 mm No: 7 (with lens)	7014141107
	2.0 mm (with lens)	7016010020		Ø12.5 - L25 mm No: 8 (with lens)	7014141208
	2.4 mm (with lens)	7016010024	4	Back Cap	7015000104
3	Ceramic Nozzle		5	Insulator	7017000103
	Ø6 - L30 mm No: 4	7014020604	6	Handle	Y512000269
	Ø8 - L30 mm No: 5	7014020805	7	Trigger	7910000001
	Ø10 - L30 mm No: 6	7014021006	8	Welding Torch Head	Y512000289

Lava TIG 17

150A DC, EN60974-7 @ %35 Duty Cycle

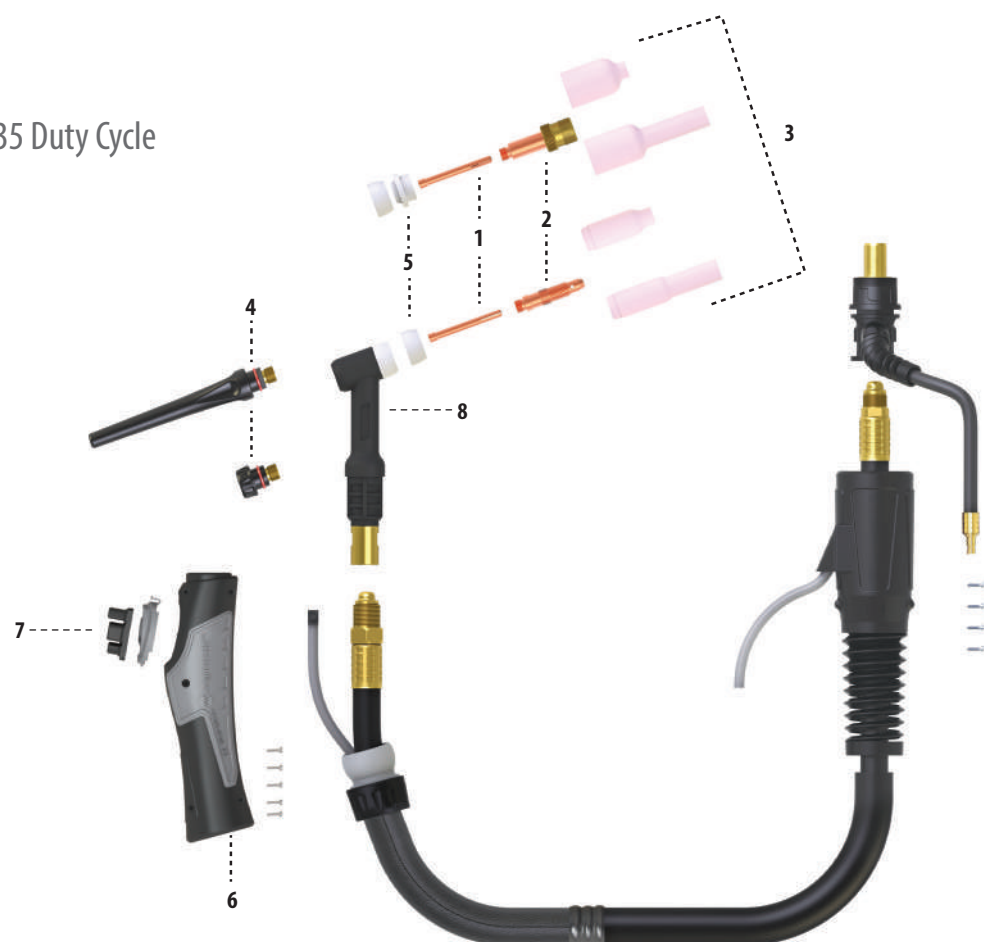


Model	Product Code	
	4 m	8 m
Lava TIG 17	7110013504	7110013508

Consumables					
Part No.	Product Name	Product Code	Part No.	Product Name	Product Code
1	Collet		3	Ceramic Nozzle	
	1.6 mm	7012000016		Ø6 - L46 mm No: 4	7014000604
	2.0 mm	7012000020		Ø8 - L46 mm No: 5	7014000805
	2.4 mm	7012000024		Ø10 - L46 mm No: 6	7014001006
	3.2 mm	7012000032		Ø11 - L46 mm No: 7	7014001107
	4.0 mm	7012000040		Ø12.5 - L46 mm No: 8	7014001108
2	Collet Body			Ø16 - L46 mm No: 10	7014001610
	1.0 mm	7013000110		Ø8 - L76 mm No: 5 (Long)	7014010805
	1.6 mm	7013000116		Ø10 - L76 mm No: 6 (Long)	7014011006
	2.0 mm	7013000120		Ø11 - L76 mm No: 7 (Long)	7014011107
	2.4 mm	7013000124	4	Back Cap (Long)	7015000101
	3.2 mm	7013000132		Back Cap (Short)	7015000102
	4.0 mm	7013000140	5	Insulator	7017000101
	1.0 mm (with lens)	7016000010		Insulator (with lens)	7017000102
	1.6 mm (with lens)	7016000016	6	Handle	Y512000270
	2.0 mm (with lens)	7016000020	7	Trigger	7910000001
	2.4 mm (with lens)	7016000024	8	Welding Torch Head	Y512000290
	3.2 mm (with lens)	7016000032			
	4.0 mm (with lens)	7016000040			

Lava TIG 26

180A DC, EN60974-7 @ %35 Duty Cycle

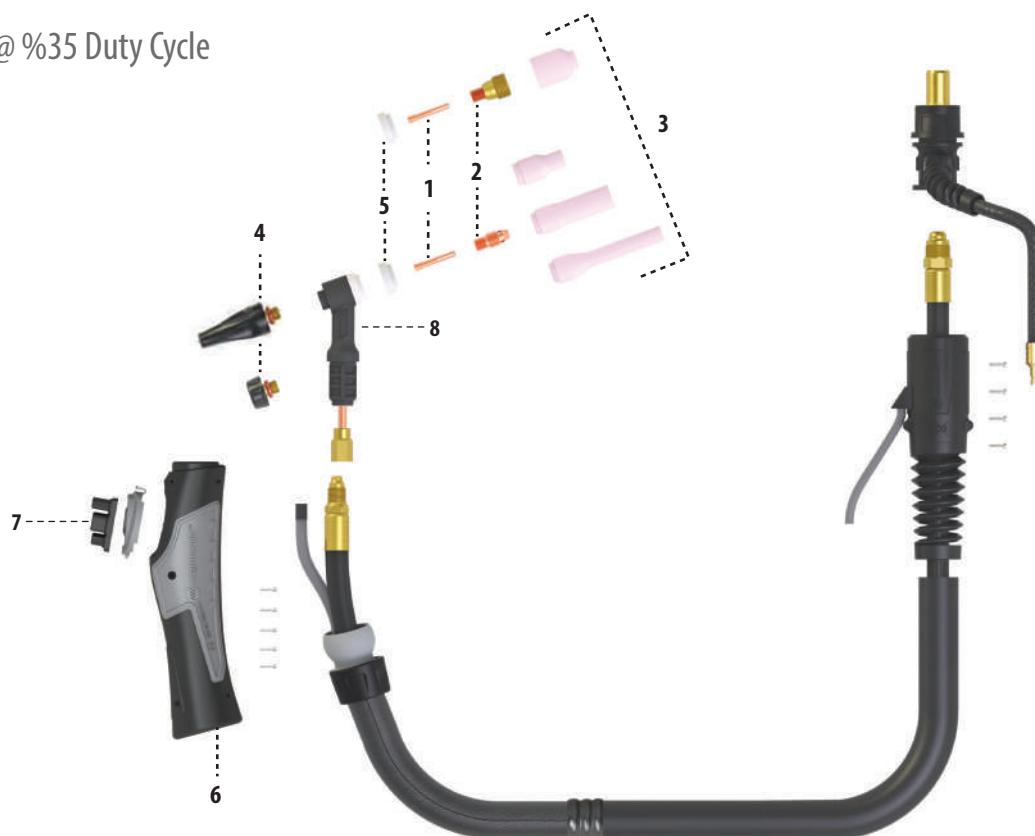


Model	Product Code	
	4 m	8 m
Lava TIG 26	7110018004	7110018008

Consumables					
Part No.	Product Name	Product Code	Part No.	Product Name	Product Code
1	Collet		3	Ceramic Nozzle	
	1.6 mm	7012010016		Ø6 - L46 mm No: 4	7014000604
	2.0 mm	7012010020		Ø8 - L46 mm No: 5	7014000805
	2.4 mm	7012010024		Ø10 - L46 mm No: 6	7014001006
	3.2 mm	7012000032		Ø11 - L46 mm No: 7	7014001107
	4.0 mm	7012000040		Ø12.5 - L46 mm No: 8	7014001108
2	Collet Body			Ø16 - L46 mm No: 10	7014001610
	1.0 mm	7013000110		Ø8 - L76 mm No: 5 (Long)	7014010805
	1.6 mm	7013000116		Ø10 - L76 mm No: 6 (Long)	7014011006
	2.0 mm	7013000120		Ø11 - L76 mm No: 7 (Long)	7014011006
	2.4 mm	7013000124	4	Back Cap (Long)	7015000101
	3.2 mm	7013000132		Back Cap (Short)	7015000102
	4.0 mm	7013000140	5	Insulator	7017000101
	1.0 mm (with lens)	7016000010		Insulator (with lens)	7017000102
	1.6 mm (with lens)	7016000016	6	Handle	Y512000270
	2.0 mm (with lens)	7016000020	7	Trigger	7910000001
	2.4 mm (with lens)	7016000024	8	Welding Torch Head	Y512000291
	3.2 mm (with lens)	7016000032			
	4.0 mm (with lens)	7016000040			

Lava TIG 24

180A DC, EN60974-7 @ %35 Duty Cycle



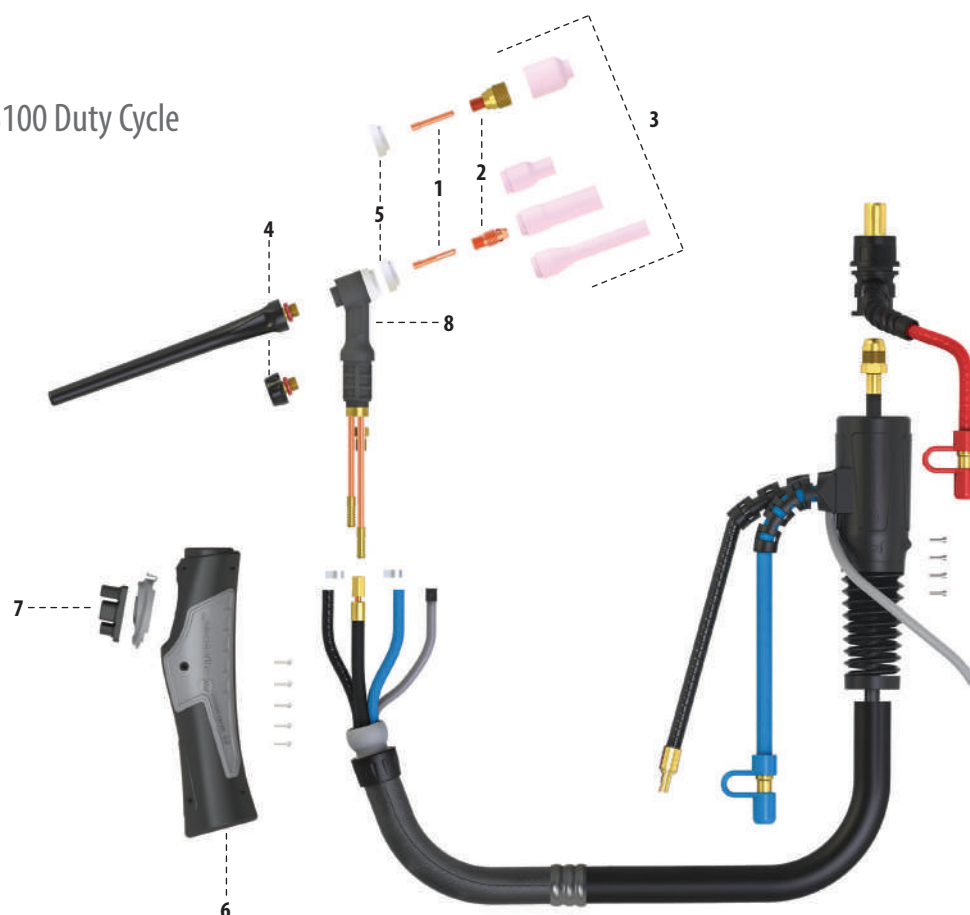
Model	Product Code	
	4 m	8 m
Lava TIG 24	7110018104	7110018108

Consumables					
Part No.	Product Name	Product Code	Part No.	Product Name	Product Code
1	Collet		4	Back Cap (Long)	7015000103
	1.0 mm	7012020010		Back Cap (Short)	7015000104
	1.6 mm	7012020016	5	Insulator	7017000104
	1.6 mm (with lens)	7012100016		Insulator (with lens)	7017000105
2	Collet Body		6	Handle	Y512000269
	1.0 mm	7013020110	7	Trigger	7910000001
	1.6 mm	7013020116	8	Welding Torch Head	Y512000294
	1.0 mm (with lens)	7016010010			
	1.6 mm (with lens)	7016010016			
3	Ceramic Nozzle				
	Ø6 - L17 mm No: 4	7014150604			
	Ø8 - L17 mm No: 5	7014150805			
	Ø10 - L17 mm No: 6	7014151006			
	Ø6 - L25 mm No: 4 (with lens)	7014140604			
	Ø8 - L25 mm No: 5 (with lens)	7014140805			
	Ø10 - L25 mm No: 6 (with lens)	7014141006			
	Ø11 - L25 mm No: 7 (with lens)	7014141107			
	Ø12.5 - L25 mm No: 8 (with lens)	7014141208			

Water Cooled TIG Torch

Lava TIG 20W

225A DC, EN60974-7 @ %100 Duty Cycle



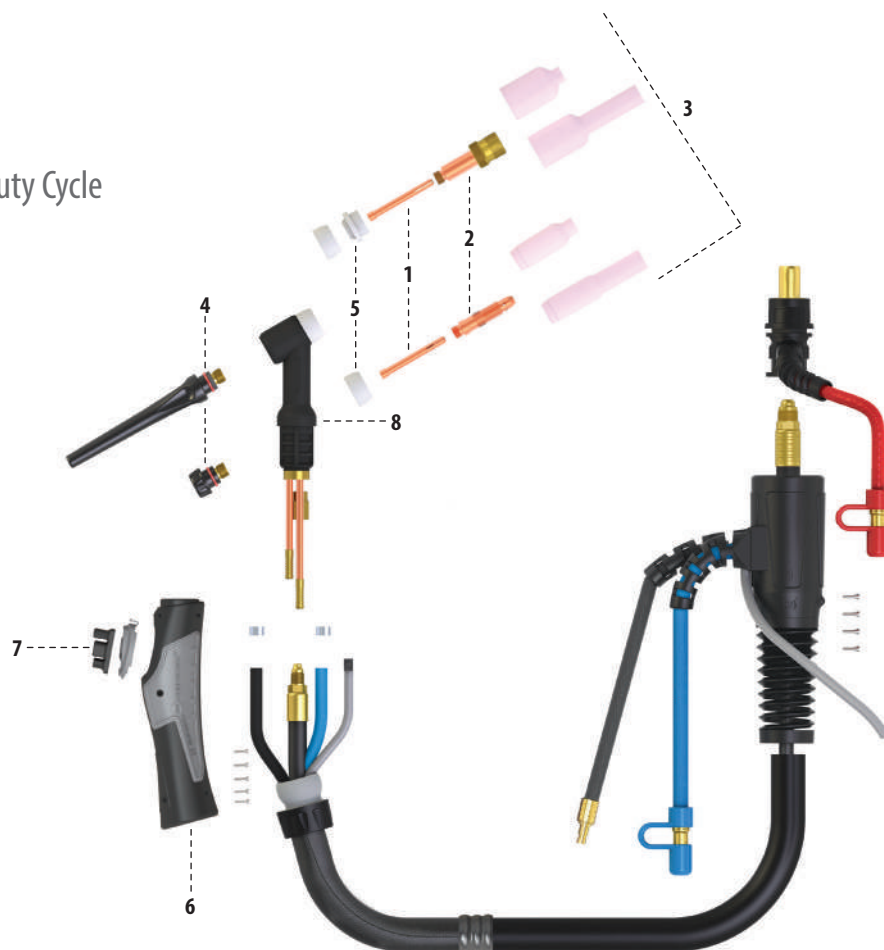
Model	Product Code	
	4 m	8 m
Lava TIG 20W	7110022504	7110022508

Consumables					
Part No.	Product Name	Product Code	Part No.	Product Name	Product Code
1	Collet		3	Ceramic Nozzle	
	1.0 mm	7012010010		Ø11 - L30 mm No: 7	7014021107
	1.6 mm	7012010016		Ø12.5 - L30 mm No: 8	7014021208
	2.0 mm	7012010020		Ø16 - L30 mm No: 10	7014021610
	2.4 mm	7012010024		Ø5 - L48 mm No: 3 (Long)	7014030503
2	Collet Body			Ø6 - L48 mm No: 4 (Long)	7014030604
	1.0 mm	7013010110		Ø8 - L48 mm No: 5 (Long)	7014030805
	1.6 mm	7013010116		Ø10 - L48 mm No: 6 (Long)	7014031006
	2.0 mm	7013010120		Ø6 - L25 mm No: 4 (with lens)	7014140604
	2.4 mm	7013010124		Ø8 - L25 mm No: 5 (with lens)	7014140805
	1.0 mm (with lens)	7016010010		Ø10 - L25 mm No: 6 (with lens)	7014141006
	1.6 mm (with lens)	7016010016		Ø11 - L25 mm No: 7 (with lens)	7014141107
	2.0 mm (with lens)	7016010020		Ø12.5 - L25 mm No: 8 (with lens)	7014141208
	2.4 mm (with lens)	7016010024	4	Back Cap (Long)	7015000103
3	Ceramic Nozzle			Back Cap (Short)	7015000104
	Ø6 - L30 mm No: 4	7014020604	5	Insulator	7017000103
	Ø8 - L30 mm No: 5	7014020805	6	Handle	Y512000269
	Ø10 - L30 mm No: 6	7014021006	7	Trigger	7910000001
			8	Welding Torch Head	Y512000293

Water Cooled TIG Torch

Lava TIG 18W

380A DC, EN60974-7 @ %100 Duty Cycle



Model	Product Code	
	4 m	8 m
Lava TIG 18W	7110038004	7110038008

Consumables					
Part No.	Product Name	Product Code	Part No.	Product Name	Product Code
1	Collet		3	Ceramic Nozzle	
	1.6 mm	7012000016		Ø6 - L46 mm No: 4	7014000604
	2.0 mm	7012000020		Ø8 - L46 mm No: 5	7014000805
	2.4 mm	7012000024		Ø10 - L46 mm No: 6	7014001006
	3.2 mm	7012000032		Ø11 - L46 mm No: 7	7014001107
	4.0 mm	7012000040		Ø12.5 - L46 mm No: 8	7014001108
2	Collet Body			Ø16 - L46 mm No: 10	7014001610
	1.0 mm	7013000110		Ø8 - L76 mm No: 5 (Long)	7014010805
	1.6 mm	7013000116		Ø10 - L76 mm No: 6 (Long)	7014011006
	2.0 mm	7013000120		Ø11 - L76 mm No: 7 (Long)	7014011107
	2.4 mm	7013000124	4	Back Cap (Long)	7015000101
	3.2 mm	7013000132		Back Cap (Short)	7015000102
	4.0 mm	7013000140	5	Insulator	7017000101
	1.0 mm (with lens)	7016000010		Insulator (with lens)	7017000102
	1.6 mm (with lens)	7016000016	6	Handle	Y512000270
	2.0 mm (with lens)	7016000020	7	Trigger	7910000001
	2.4 mm (with lens)	7016000024	8	Welding Torch Head	Y512000292
	3.2 mm (with lens)	7016000032			

Lava CUT Series

For upgrading to high cutting power
MagmaWeld Plasma torches



Consumables

High-quality, long-lasting consumables has been specially designed and produced with the latest technology. Thanks to its compatibility with brands in the market, offers high price / performance solutions.

Torch Handle

With high temperature resistance durable grip design, combines strength and lightness

Trigger Mechanism

With high strength trigger safety lock It prevents work accidents.

Cable Group

The cable system which subjected to long and heavy tests provides lightness, flexibility and excellent conductivity with its high quality materials. Rubber coated cable material, increases the strength and extends the life of the torch.

Rear Connector

Connector case made of glass-reinforced polymer material and manufactured according to standards. Connector design offers a simple and aesthetic solution to eliminate problems and removes machine incompatibilities. With the Euro Connector structure, It also provides compatibility with other brands.

Plasma Torches

Plasma Hand Cutting Torch

10-35 A, %60 (35 A) Duty Cycle, Gas: Air,
Working Pressure (Cutting): 3,5 bar
Gas Flow (35 A): 295 l/min.
Ignition: Without HF



Model	Product Code
	4 m
Lava CUT Mini Torch	7142H03004
Manual Consumables Kit (miniCUT)	7942000300

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 l/min.

Ignition: Without HF



Model	Product Code	
	6 m	12 m
Lava CUT Manual Torch	7142H10506	7142H10512

Plasma Mechanized Cutting Torch

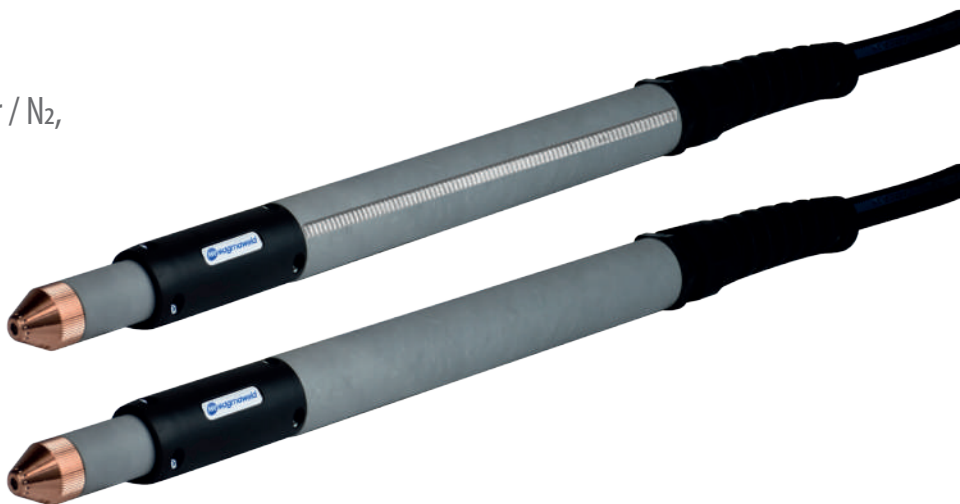
40-125 A, %60 (125 A) Duty Cycle, Gas: Air / N₂,

Working Pressure (Cutting): 5-6 bar

Working Pressure (Gouging): 4-4,5 bar

Gas Flow (125 A): 295 l/min.

Ignition: Without HF



Model	Product Code	
	6 m	12 m
Lava CUT Mechanized Torch	7142H10506	7142H10512
Mechanized Torch Tube (Rack System)	7942000010	7942000010

Plasma Torches

Plasma Hand Cutting Torch

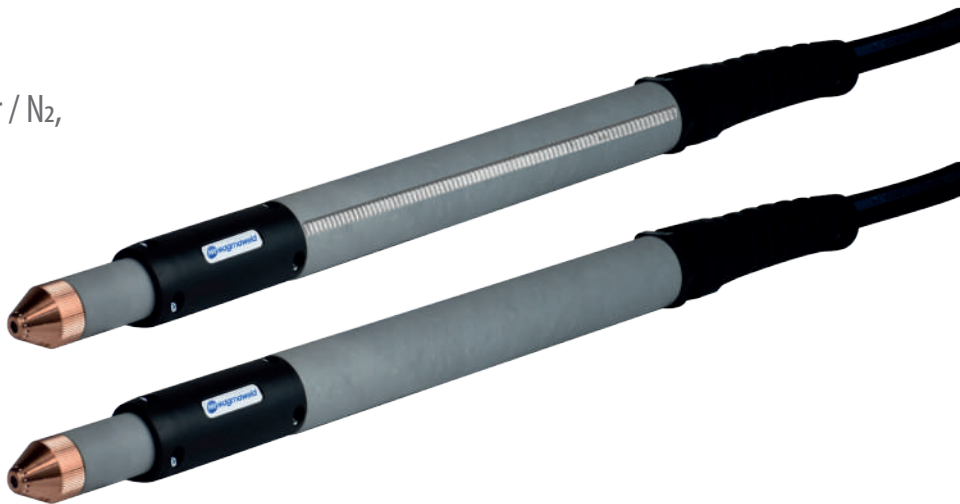
30-160 A, %60 (160 A) Duty Cycle, Gas: Air / N₂,
Working Pressure (Cutting): 5-6 bar
Working Pressure (Gouging): 3-3,5 bar
Gas Flow (160 A): 420 l/min.
Ignition: Without HF



Model	Product Code	
	6 m	12 m
LAVA CUT 160 Manual Torch	7142H16006	7142H16012

Plasma Mechanized Cutting Torch

30-160 A, %60 (160 A) Duty Cycle, Gas: Air / N₂,
Working Pressure (Cutting): 5-6 bar
Working Pressure (Gouging): 3-3,5 bar
Gas Flow (160 A): 420 l/min.
Ignition: Without HF



Model	Product Code	
	6 m	12 m
LAVA CUT 160 Mechanized Torch	7142M16006	7142M16012

Consumables and Accessories

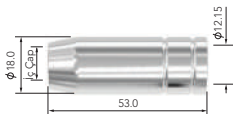
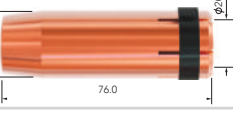
Magmaweld consumables and accessories with high material quality are economical and long-lasting!

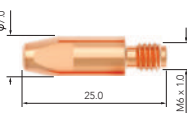
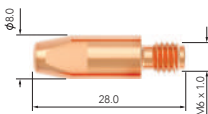
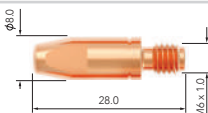


With **ziplock PVC packaging** you can see the contents easily and safer now!



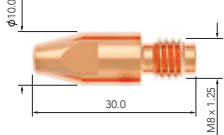
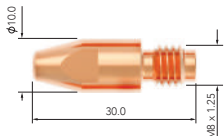
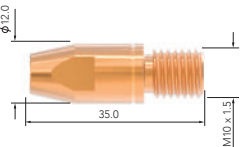
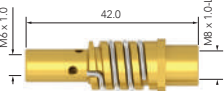
MIG Torch Consumables

Nozzles	Product Code	Product Name	Bore (Ø)	Compatible Lava MIG Torches					
				15	25	35	40	50W/WR	65W
	7022021653	Cylindric Nozzle	16.0	●					
	7022001253	Conical Nozzle	12.0	●					
	7022011053	Narrow Nozzle	10.5	●					
	7022031353	Bottle Nozzle	12.8	●					
	7022021857	Cylindric Nozzle	18.0		●				
	7022001554	Conical Nozzle	15.0		●				
	7022011253	Narrow Nozzle	12.0		●				
	7022031457	Bottle Nozzle	14.5		●				
	7022021983	Cylindric Nozzle	19.0			●			
	7022001684	Conical Nozzle	16.1			●			
	7022011283	Narrow Nozzle	12.0			●			
	7022021976	Cylindric Nozzle	19.0				●	●	
	7022001675	Conical Nozzle	16.0				●	●	
	7022011476	Narrow Nozzle	14.0				●	●	
	7022101777	Conical Nozzle 2.6	17.0						●

Contact Tips	Product Code	Product Name	Diameter(mm)	Compatible Lava MIG Torches					
				15	25	35	40	50W/WR	65W
	7023062506	Contact Tip	0.6 - 0.023 x M6	●					
	7023062508	Contact Tip	0.8 - 0.030 x M6	●					
	7023062510	Contact Tip	1.0 - 0.040 x M6	●					
	7023062512	Contact Tip	1.2 - 0.045 x M6	●					
	7023062806	Contact Tip	0.6 - 0.023 x M6		●	●			
	7023062808	Contact Tip	0.8 - 0.030x M6		●	●			
	7023062810	Contact Tip	1.0 - 0.040 x M6		●	●			
	7023062812	Contact Tip	1.2 - 0.045 x M6		●	●			
	7023062814	Contact Tip	1.4 - 0.055 x M6		●	●			
	7023062816	Contact Tip	1.6 - 0.063 x M6		●	●			
	7023162808	Contact Tip (Al)	0.8 - 0.040 x M6		●	●			
	7023162810	Contact Tip (Al)	1.0 - 0.045 x M6		●	●			
	7023162812	Contact Tip (Al)	1.2 - 0.063 x M6		●	●			
	7023262808	Contact Tip(CuCrZr)	0.8 - 0.030 x M6		●	●			
	7023262810	Contact Tip (CuCrZr)	1.0 - 0.040 x M6		●	●			
	7023262812	Contact Tip (CuCrZr)	1.2 - 0.045 x M6		●	●			

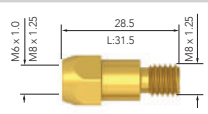
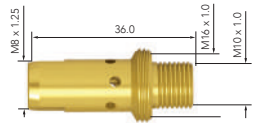
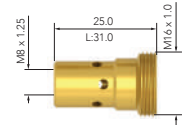
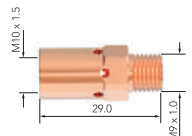
- Standard
- Optional

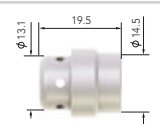
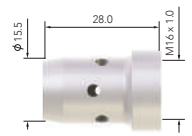
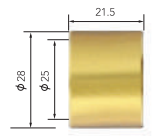
MIG Torch Consumables

Contact Tips	Product Code	Product Name	Diameter(mm)	Compatible Lava MIG Torches					
				15	25	35	40	50W/WR	65W
	7023083008	Contact Tip	0.8 - 0.030 x M8			●	●	●	
	7023083010	Contact Tip	1.0 - 0.040 x M8			●	●	●	
	7023083012	Contact Tip	1.2 - 0.045 x M8			●	●	●	
	7023083014	Contact Tip	1.4 - 0.055 x M8			●	●	●	
	7023083016	Contact Tip	1.6 - 0.063 x M8			●	●	●	
	7023083020	Contact Tip	2.0 - 0.080 x M8			●	●	●	
	7023183008	Contact Tip (Al)	0.8 - 0.035 x M8			●	●	●	
	7023183010	Contact Tip (Al)	1.0 - 0.045 x M8			●	●	●	
	7023183012	Contact Tip (Al)	1.2 - 0.063 x M8			●	●	●	
	7023283010	Contact Tip (CuCrZr)	1.0 - 0.040 x M8			●		●	
	7023283012	Contact Tip (CuCrZr)	1.2 - 0.045 x M8			●		●	
	7023283016	Contact Tip (CuCrZr)	1.6 - 0.063 x M8			●		●	
	7023283024	Contact Tip (CuCrZr)	2.4 - 0.095 x M8			●		●	
	7023213512	Contact Tip (CuCrZr)	1.2 - 0.045 x M10						●
	7023213514	Contact Tip (CuCrZr)	1.4 - 0.055 x M10						●
	7023213516	Contact Tip (CuCrZr)	1.6 - 0.063 x M10						●
	7023213520	Contact Tip (CuCrZr)	2.0 - 0.080 x M10						●
	7023213524	Contact Tip (CuCrZr)	2.4 - 0.095 x M10						●
Contact Tip Holders	Product Code	Product Name		Compatible Lava MIG Torches					
				15	25	35	40	50W/WR	65W
	7026000156	Tip Holder M6		●					
	7026000256	Tip Holder M6			●				

● Standard
 ● Optional

MIG Torch Consumables

Contact Tip Holders	Product Code	Product Name	Compatible Lava MIG Torches					
			15	25	35	40	50W/WR	65W
 Dimensions: M6 x 1.0, M8 x 1.25, 28.5, L:31.5, M8 x 1.25	7026000356	Tip Holder M6			●			
	7026000358	Tip Holder M8			●			
 Dimensions: M8 x 1.25, 36.0, M16 x 1.0, M10 x 1.0	7026000408	Tip Holder M8				●		
 Dimensions: M8 x 1.25, 25.0, L:31.0, M16 x 1.0	7026000508	Tip Holder M8					●	
 Dimensions: M10 x 1.5, 29.0, M9 x 1.0	7026000610	Tip Holder M10						●

Gas Diffusers	Product Code	Product Name	Compatible Lava MIG Torches					
			15	25	35	40	50W/WR	65W
 Dimensions: 19.5, 13.1, 14.5	7024100024	Gas Diffuser / White		●				
 Dimensions: 32.5, 15.0, 17.0	7024100035	Gas Diffuser / White			●			
 Dimensions: 28.0, 15.5, M16 x 1.0	7024100050	Gas Diffuser / White				●	●	
 Dimensions: 16.4, 31.0, M18 x 1.0	7024100065	Gas Diffuser / Black						●
 Dimensions: 21.5, 28, 25	7022302821	Nozzle Adapter / Brass						●

- Standard
- Optional

Liners	Product Code	Product Name	Diameter(mm)	Compatible Lava MIG Torches						
				15	25	35	40	50W/WR	65W	
	7025030609	Steel Liner / 3 m	0.6-0.9	●	●	●	●	●		
	7025040609	Steel Liner / 4 m	0.6-0.9	●	●	●	●	●		
	7025050609	Steel Liner / 5 m	0.6-0.9	●	●	●	●	●		
	7025031012	Steel Liner / 3 m	1.0-1.2	●	●	●	●	●		
	7025041012	Steel Liner / 4 m	1.0-1.2	●	●	●	●	●		
	7025051012	Steel Liner / 5 m	1.0-1.2	●	●	●	●	●		
	7025031216	Steel Liner / 3 m	1.6			●	●	●		
	7025041216	Steel Liner / 4 m	1.6			●	●	●		
	7025051216	Steel Liner / 5 m	1.6			●	●	●		
	7025032024	Steel Liner / 3 m	1.6-2.4			●	●	●		
	7025042024	Steel Liner / 4 m	1.6-2.4			●	●	●		
	7025052024	Steel Liner / 5 m	1.6-2.4			●	●	●		
	7025131012	Steel Liner / 3 m	1.0-1.2					●	●	
	7025141012	Steel Liner / 4 m	1.0-1.2					●	●	
	7025151012	Steel Liner / 5 m	1.0-1.2					●	●	
	7025131216	Steel Liner / 3 m	1.2-1.6					●	●	
	7025141216	Steel Liner / 4 m	1.2-1.6					●	●	
	7025151216	Steel Liner / 5 m	1.2-1.6					●	●	
	7025530610	Teflon Liner / 3 m	0.6-0.9	●	●	●	●	●	●	
	7025540610	Teflon Liner / 4 m	0.6-0.9	●	●	●	●	●	●	
	7025550609	Teflon Liner / 5 m	0.6-0.9	●	●	●	●	●	●	
	7025531012	Teflon Liner / 3 m	1.0-1.2	●	●	●	●	●	●	
	7025541012	Teflon Liner / 4 m	1.0-1.2	●	●	●	●	●	●	
	7025551012	Teflon Liner / 5 m	1.0-1.2	●	●	●	●	●	●	
	7025531216	Teflon Liner / 3 m	1.2-1.6			●	●	●	●	
	7025541216	Teflon Liner / 4 m	1.2-1.6			●	●	●	●	
	7025551216	Teflon Liner / 5 m	1.2-1.6			●	●	●	●	

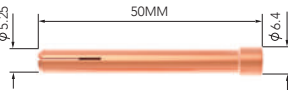
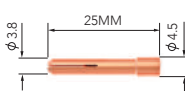
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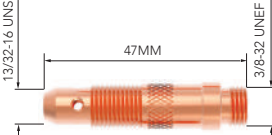
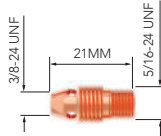
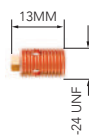
● Optional

* Wire Feed Rollers	Diameter	megaMIG Product Code	RS / ID Product Code
	0.6 - 0.8 mm	7027100608	7027000608 / 7027400608
	0.8 - 1.0 mm	7027100810	7027000810 / 7027400810
	1.0 - 1.2 mm	7027101012	7027001012 / 7027401012
	1.2 - 1.6 mm	-	7027001216 / 7027401216

* Please contact for different wire feed rollers requests.

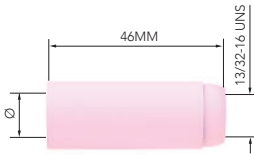
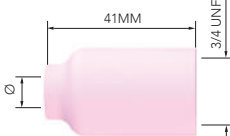
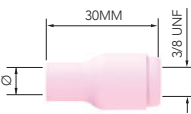
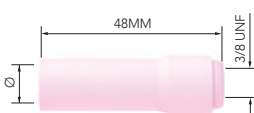
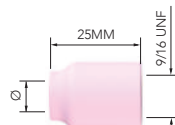
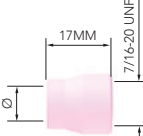
TIG Torch Consumables

Collets	Product Code	Product Name	Diameter (mm)	Diameter (inch)	Compatible Lava TIG Torches					
					9	17	26	24	20W	18W
	7012000016	Collet	1.6	1/16"		●	●			●
	7012000020	Collet	2.0	5/64"		●	●			●
	7012000024	Collet	2.4	3/32"		●	●			●
	7012000032	Collet	3.2	1/8"		●	●			●
	7012000040	Collet	4.0	5/32"		●	●			●
	7012010010	Collet	1.0	0.04"	●				●	
	7012010016	Collet	1.6	1/16"	●				●	
	7012010020	Collet	2.0	5/64"	●				●	
	7012010024	Collet	2.4	3/32"	●				●	
	7012010032	Collet	3.2	1/8"	●				●	
	7012020010	Collet	1.0	0.04"				●		
	7012020016	Collet	1.6	1/16"				●		

Collet Bodies	Product Code	Product Name	Diameter (mm)	Diameter (inch)	Compatible Lava TIG Torches					
					9	17	26	24	20W	18W
	7013000110	Collet Body	1.0	0.04"		●	●			●
	7013000116	Collet Body	1.6	1/16"		●	●			●
	7013000120	Collet Body	2.0	5/64"		●	●			●
	7013000124	Collet Body	2.4	3/32"		●	●			●
	7013000132	Collet Body	3.2	1/8"		●	●			●
	7013000140	Collet Body	4.0	5/32"		●	●			●
	7013010110	Collet Body	1.0	0.04"	●				●	
	7013010116	Collet Body	1.6	1/16"	●				●	
	7013010120	Collet Body	2.0	5/64"	●				●	
	7013010124	Collet Body	2.4	3/32"	●				●	
	7013010132	Collet Body	3.2	1/8"	●				●	
	7013010140	Collet Body	4.0	5/32"						
	7013020110	Collet Body	1.0	0.04"				●		
	7013020116	Collet Body	1.6	1/16"				●		

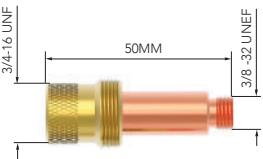
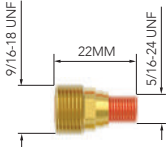
- Standard
- Optional

TIG Torch Consumables

Ceramic Nozzles	Product Code	Product Name	No	Ø (mm)	Diameter (inch)	Compatible Lava TIG Torches					
						9	17	26	24	20W	18W
	7014001610	Ceramic Nozzle	10	16	5/8"		●	●			●
	7014001108	Ceramic Nozzle	8	12.5	1/2"		●	●			●
	7014001107	Ceramic Nozzle	7	11	7/6"		●	●			●
	7014001006	Ceramic Nozzle	6	10	3/8"		●	●			●
	7014000805	Ceramic Nozzle	5	8	5/16"		●	●			●
	7014000604	Ceramic Nozzle	4	6	1/4"		●	●			●
	7014011107	Long Ceramic Nozzle	7	11	7/16"		●	●			●
	7014011006	Long Ceramic Nozzle	6	10	3/8"		●	●			●
	7014010805	Long Ceramic Nozzle	5	8	5/8"		●	●			●
	7014111208	Ceramic Nozzle	8	12.5	1/2"		●	●			●
	7014111107	Ceramic Nozzle	7	11	7/16"		●	●			●
	7014119506	Ceramic Nozzle	6	10	3/8"		●	●			●
	7014110805	Ceramic Nozzle	5	8	5/16"		●	●			●
	7014116504	Ceramic Nozzle	4	6	1/4"		●	●			●
	7014111711	Ceramic Nozzle	11	17	11/16"		●	●			●
	7014020604	Ceramic Nozzle	4	6	1/4"	●	●	●		●	●
	7014020805	Ceramic Nozzle	5	8	5/16"	●	●	●		●	●
	7014021006	Ceramic Nozzle	6	10	3/8"	●	●	●		●	●
	7014021107	Ceramic Nozzle	7	11	7/16"	●	●	●		●	●
	7014021208	Ceramic Nozzle	4	12.5	1/2"	●	●	●		●	●
	7014021610	Ceramic Nozzle	10	16	5/8"	●	●	●		●	●
	7014030503	Long Ceramic Nozzle	3	5	3/16"	●				●	
	7014030604	Long Ceramic Nozzle	4	6	1/4"	●				●	
	7014030805	Long Ceramic Nozzle	5	8	5/16"	●				●	
	7014031006	Long Ceramic Nozzle	6	10	3/8"	●				●	
	7014140604	Ceramic Nozzle	4	6	1/4"	●	●	●	●	●	●
	7014140805	Ceramic Nozzle	5	8	5/16"	●	●	●	●	●	●
	7014141006	Ceramic Nozzle	6	10	3/8"	●	●	●	●	●	●
	7014141107	Ceramic Nozzle	7	11	7/16"	●	●	●	●	●	●
	7014141208	Ceramic Nozzle	8	12.5	1/2"	●	●	●	●	●	●
	7014050604	Ceramic Nozzle	4	6	1/4"				●		
	7014050805	Ceramic Nozzle	5	8	5/16"				●		
	7014051006	Ceramic Nozzle	6	10	3/8"				●		

● Standard
● Optional

TIG Torch Consumables

Gas Lenses	Product Code	Product Name	Diameter (mm)	Diameter (inch)	Compatible Lava TIG Torches					
					9	17	26	24	20W	18W
	7016000010	Gas Lens	1.0	0.04"		●	●			●
	7016000016	Gas Lens	1.6	1/16"		●	●			●
	7016000020	Gas Lens	2.0	5/64"		●	●			●
	7016000024	Gas Lens	2.4	3/32"		●	●			●
	7016000032	Gas Lens	3.2	1/8"		●	●			●
	7016010010	Gas Lens	1.0	0.04"	●				●	
	7016010016	Gas Lens	1.6	1/16"	●				●	
	7016010020	Gas Lens	2.0	5/64"	●				●	
	7016010024	Gas Lens	2.4	3/32"	●				●	
	7016010032	Gas Lens	3.2	1/8"	●				●	

Insulators	Product Code	Product Name	Compatible Lava TIG Torches					
			9	17	26	24	20W	18W
	7017000101	Insulator		●	●			●
	7017000102	Insulator		●	●			●
	7017000103	Insulator	●				●	
	7017000104	Insulator				●		
	7017000105	Insulator				●		

Back Caps	Product Code	Product Name	Compatible Lava TIG Torches					
			9	17	26	24	20W	18W
	7015000101	Back Cap (Long)		●	●			●
	7015000102	Back Cap (Short)		●	●			●
	7015000103	Back Cap (Long)	●			●	●	
	7015000104	Back Cap (Short)	●			●	●	

- Standard
- Optional

Tungsten Electrodes

Tungsten Electrodes	Product Code	Product Name	Diameter(mm)
	7018000116	Tungsten Electrode Red (Wt-20)	1.6 x 175 mm
	7018000120	Tungsten Electrode Red (Wt-20)	2.0 x 175 mm
	7018000124	Tungsten Electrode Red (Wt-20)	2.4 x 175 mm
	7018000132	Tungsten Electrode Red (Wt-20)	3.2 x 175 mm
	7018000140	Tungsten Electrode Red (Wt-20)	4.0 x 175 mm
	7018000216	Tungsten Electrode Green (Wp)	1.6 x 175 mm
	7018000220	Tungsten Electrode Green (Wp)	2.0 x 175 mm
	7018000224	Tungsten Electrode Green (Wp)	2.4 x 175 mm
	7018000232	Tungsten Electrode Green (Wp)	3.2 x 175 mm
	7018000240	Tungsten Electrode Green (Wp)	4.0 x 175 mm
	7018000316	Tungsten Electrode Grey (Wc-20)	1.6 x 175 mm
	7018000320	Tungsten Electrode Grey (Wc-20)	2.0 x 175 mm
	7018000324	Tungsten Electrode Grey (Wc-20)	2.4 x 175 mm
	7018000332	Tungsten Electrode Grey (Wc-20)	3.2 x 175 mm
	7018000340	Tungsten Electrode Grey (Wc-20)	4.0 x 175 mm

- Standard
- Optional

Regulators

Regulators and Heaters	Product Code	Product Name
	7020001005	CO ₂ Regulator
	7020001004	Argon/Mix Regulator
	7020009002	Heater 220V
	7020009003	Heater 24V

Plasma Consumables

Consumables		Ampere	Usage	
			Drag Cutting	
	Electrode	30 A	7042E00002	●
	Swirl Ring	30 A	7042220478	●
	Nozzle	30 A	7042220480	●
	Shield Body (Retaining Cap)	30 A	7042220483	●
	Shield	30 A	7042220569	●

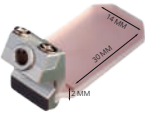
● For All Types

Plasma Consumables

Consumables		Ampere	Usage					
			Drag Cutting		Precision Cut		Gouging	
	Electrode	45-105 A	7042E00001	●	7042E00001	●	7042E00001	●
		130-160 A	7042E00003	●	-		7042E00004	●
	Swirl Ring	45 A	7042220857	●	7042220947	●	-	
		65 A	7042220857	●	-		7042220857	●
		85 A	7042220857	●	-		7042220857	●
		105 A	7042220994	●	-		7042220994	●
		130-160 A	704260039E	●	7042060033	●	704260039E	●
	Nozzle	45 A	7042220941	●	7042220930	●	-	
		65 A	7042220819	●	-		70422208NG	●
		85 A	7042220816	●	-		70422208NG	●
		105 A	7042220990	●	-		70422209NG	●
		130-160 A	7042051454	●	7042051428	●	704251425G	●
 	Shield Body (Retaining Cap)	45-85 A	7042220854	●	7042220854	●	7042220854	●
		105 A	7042220855	●	-		7042220855	●
		130-160 A	704260311B	●	704260311A	●	7042220477	●
		45-85 A Ohmic	7042220953	●	7042220953	●	-	
		105 A Ohmic	7042220954	●	-		-	
		130-160 A Ohmic	704260311H	●	704260311H	●	-	
 	Shield	45-85 A	7042220818	●	7042220955	●	70422209SG	●
		105 A	7042220992	●	-		70422209SG	●
		130-160 A	7042060806	●	7042051915	●	704251919G	●
		45-85 A	7042220817	●	7042220948	●	-	
		105 A	7042220993	●	-		-	
		130-160 A	7042060807	●	-		-	
	Deflector	45 A	-		7042220931	●	-	

- For All Types
- Only for Drag Cutting
- Only for Mechanized Cutting

Laser Consumables

Lens	Material Code	Material Name	Details	Compatible Model
	7071000010	QBH Connector Lens (Raycus >3kW)	Q12,8*L12_Mini Model (Bluetooth)	Raycus Bluetooth QBH
	7071000011	QBH Connector Lens (Raycus <3kW)	Q12*L16 Old Model (Ethernet)	Raycus Ethernet QBH
	7071003014	Reflector (SUP20)	30*14 T2	SUP 20-21
	7076000610	Reflector (SUP23T)	30*14 T2	SUP 23T-33T-33F
	7071016060	Collimator Lens (SUP20T)	D20*T4*F60	SUP 20
	70710180T2	Protective Lens (SUP)	D18*2 - 5 pcs/pack	SUP 23T-33T-33F
	7071020050	Collimator Lens (SUP23T)	D16*T5*F50	SUP 21T-23S/T-33T-33F
	70710200T4	Protective Lens (HW)	D20*T4 - 5 pcs/pack	HW
	7071020150	Focusing Lens (SUP)	D20*T4,5*F150 (Welding)	SUP
	7071020400	Focusing Lens (SUP)	D20*T4,5*F400 (Cleaning)	SUP
Nozzles	Material Code	Material Name	Details	Compatible Model
	7073000D10	Wire Feeding Nozzle (SUP)	Double Wire Feeding 1.0 mm Wire 3 pcs/pack	SUP
	7073000D12	Wire Feeding Nozzle (SUP)	Double Wire Feeding 1.2 mm Wire 3 pcs/pack	SUP
	7073000D16	Wire Feeding Nozzle (SUP)	Double Wire Feeding 1.6 mm Wire 3 pcs/pack	SUP
	7073000D20	Wire Feeding Nozzle (SUP)	Double Wire Feeding 2.0 mm Wire 3 pcs/pack	SUP
	7073000D24	Wire Feeding Nozzle (SUP)	Double Wire Feeding 2.4 mm Wire 3 pcs/pack	SUP
	7073000S10	Wire Feeding Nozzle (SUP)	Single Wire Feeding 1.0 mm Wire 3 pcs/pack	SUP
	7073000S12	Wire Feeding Nozzle (SUP)	Single Wire Feeding 1.2 mm Wire 3 pcs/pack	SUP
	7073000S16	Wire Feeding Nozzle (SUP)	Single Wire Feeding 1.6 mm Wire 3 pcs/pack	SUP

Laser Consumables

Nozzles	Material Code	Material Name	Details	Compatible Model
	707200000C	Laser Welding Nozzle (SUP)	(C) Wireless Welding 3 pcs/pack	SUP 23T-33T-33F
	707200AS10	Laser Welding Nozzle (SUP)	(AS10) 0.8/1.0 mm Wire 3 pcs/pack	SUP 23T-33T-33F
	707200AS12	Laser Welding Nozzle (SUP)	(AS12) 1.2 mm Wire 3 pcs/pack	SUP 23T-33T-33F
	707200BS0D	Laser Welding Nozzle (SUP)	(DS-D) Wireless Corner Welding 3 pcs/pack	SUP 23T-33T-33F
	707200BS16	Laser Welding Nozzle (SUP)	(BS16) 1.6 mm Wire 3 pcs/pack	SUP 23T-33T-33F
	707200CS12	Laser Welding Nozzle (SUP)	(CS12) 0.8/1.0/1.2 mm Wire 3 pcs/pack	SUP 23T-33T-33F
	707200CT15	Cutting Nozzle (SUP)	(CT)-3 pcs/pack	SUP 23T-33T-33F
	707200ES12	Laser Welding Nozzle (SUP)	(ES12) 0.8/1.0/1.2 mm Wire 3 pcs/pack	SUP 23T-33T-33F
	707200FS16	Laser Welding Nozzle (SUP)	(FS16) 1.6 mm Wire 3 pcs/pack	SUP 23T-33T-33F
	70720DAS12	Laser Welding Nozzle (SUP)	Double Wire Feeding (AS12) 1.2 mm 3 pcs/pack	SUP 23T-33T-33F
	70720DAS16	Laser Welding Nozzle (SUP)	Double Wire Feeding (AS16) 1.6 mm 3 pcs/pack	SUP 23T-33T-33F
	70720DAS20	Laser Welding Nozzle (SUP)	Double Wire Feeding (AS20) 2.0 mm 3 pcs/pack	SUP 23T-33T-33F
	70720DAS24	Laser Welding Nozzle (SUP)	Double Wire Feeding (AS24) 2.4 mm 3 pcs/pack	SUP 23T-33T-33F
	7072501214	Laser Welding Nozzle (HW)	AS 1.2-1.4 mm Wire – 3 pcs/pack	SUP 23T-33T-33F
	7072501618	Laser Welding Nozzle (HW)	AS 1.6-1.8-3 pcs/pack	SUP 23T-33T-33F
Spirals	Material Code	Material Name	Details	Compatible Model
	7073002024	Wire Feeding Spiral	2.00-2.4mm	SUP
	7073012024	Wire Feeding Spiral	2.00-2.4mm	SUP

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 m³ / h	2800 m³ / h	850 m³ / h
Suction Capacity (For K Models)	2800 m³ / h	2600 m³ / h	-
Noise Level	72 dB (A)	72 dB (A)	65 dB (A)
Dimensions (l x w x h)	650 x 750 x 1050 mm	650 x 750 x 1050 mm	480 x 480 x 820 mm
Dimensions (for K Models) (l x w x h)	650 x 750 x 1200 mm	650 x 750 x 1200 mm	-
Weight	96 kg	108 kg	49 kg
Weight (for K Models)	115 kg	115 kg	-

Product Codes

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

Consumables and Optional Accessories

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

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

Fixed Models



**One Arm Model
DFS 1S**

**Two Arm Model
DFS 2S**

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



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

Product Codes

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

Consumables and Optional Accessories

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

Welding Fume Extraction and Filtration Systems

DES MS

Mobile Fan System



DES SS

Fixed Fan System



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

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

Optional Accessories

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



magNET

Tracking of all welding parameters;

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

- » Data Collection and Processing from any brand/model welding machine
- » Welding application experience in many sectors from steel construction to automotive
- » Easy installation without stopping production
- » WPS compliance report and graphics
- » EN1090 Archive and WPS Development Tools





From the magNET operator screen:

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



Via the Web Interface:

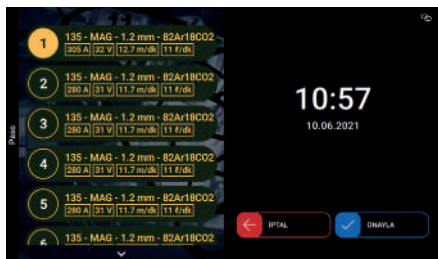
- User-friendly Interface
- Detailed reporting for all collected data
- Machine and welder performance monitoring
- Possibility to create a digital WPS library
- Web-based software
- Application of critical parameters with limits and alarms



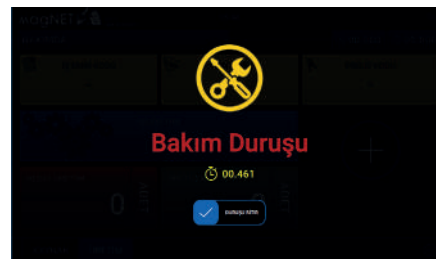
Work Order or Product Code Entries



Detailed Reporting for Collected Data



WPS and pass selection support



Downtime Entries



Non-Stop Welding Since 1957