

ID 1000 S



Properties

- 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.*

Technical Specifications		
Power Source		
Mains Voltage (3Ph)	400	V
Input Current (Eff.)	84	A
Nominal Welding Current	1000 (%100)	ADC
Welding Current Range	50- 1000	ADC
Weight (Net)	142	kg
Dimensions (l x w x h)	873,5 x 550 x 1027	mm
Welding Head Rotating Angle (Right-Left)	45	
Welding Head Rotating Angle (Fore-Aft)	45	
Wire Carrying Capacity	25	kg
Flux Holding Capacity	8	lt
Welding Speed	20-155	cm/dk
Welding Head Vertical Displacement Range	100 (yatay)	mm