# Product details: ProMIG 505 [source, cooler, wire

# feeder, driving set]



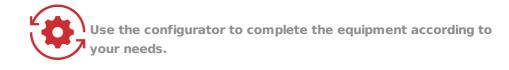


product code: PROMIG505-TOWER

#### Package equipped:

- ProMIG 505
- 2 x wire guide roller 1.0 1.2V fi30
- separated wire feeder 4R
- cooler
- MaxCoolant cooling liquid 51
- driving set
- · user's manual

The equipment of the device does not include complex cables connecting the source with the feeder.



# **Product variants**

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ProMIG 505 [source, cooler, wire feeder, driving set]

**PROMIG505-TOWER** 

ProMIG 505 [source, cooler, wire feeder, connection cable set, driving set] package with MIG gun SPP501 - 3m PROMIG505-PAK-501-3

# **Product description**

### SYNERGIC MIG DESIGNED FOR INDUSTRY

**SPARTUS® ProMIG 505** is high-end, modern inverter welding machine constructed on the basis of advanced PWM technology and professional IGBT transistors. It enables MIG / TIG DC and MMA welding with a current up to 500A. It is powered from three phase 400V source power. The device offers a wide range of possibilities for the above-mentioned methods of joining metals.

### **MIG** welding

ProMIG 505 is equipped with a synergistic system for MIG / MAG welding with the possibility of selecting the following programs: for mill steel, stainless steel, aluminum welding; self-shielding wire welding. It is possible to manually correct the parameters. In addition, the device has a number of functionalities supporting the welding process in the MIG method:

- 2T/4T Trigger Control
- Burn Back
- Slow Feed
- Pre Gas i Post Gas.

Separate high-class four-roller feeder ensures stable wire feeding. An important advantage is also the possibility of welding with the Spool Gun.

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#### **TIG** welding

Thanks to the solutions used, the ProMIG 505 also enables advanced welding with the TIG Lift method. ProMIG 505 has functions supporting the welding process in TIG method:

- 2T/4T Trigger Control,
- Down Slope.

#### **MMA** welding

The process of joining metals in this method is additionally supported by functions such as:

- Arc Force
- Hot Start.

Modern design and LCD function panel in combination with high-class components makes the SPARTUS® ProMIG 505 stand out on the market.

The professional device of the SPARTUS® Pro line is perfect suited to the production sector and industry.

# **Technical details**

Input	$\sim$ 3× 400V ± 10% 50 / 60 Hz
MIG welding current	30 - 500A
MIG duty cycle	60%
Wire feeder	separated, 4 - roll gear
Wire feeding speed	2,5 - 24m/min
Welding wire spool	≤ 15kg / Ø200/300mm
Synergy	yes
2T/4T Control	yes
Additional MIG functions	Pre-gas, Post-gas, spool gun, wire test
Water cooler	yes
Tank capacity	51
TIG Lift	yes
TIG welding current	10 - 500A
Down slope	0 - 10s
MMA welding current	10 - 500A
Arc Force	yes
Hot Start	yes
Current consumpiton	MIG 36.3A / TIG DC 29.5A / MMA 37.5A
Power factor (cosφ)	0.81
Efficiency η	90%
Insulation class	Н
Protection class	IP21S
Weight	101.5kg
Dimensions	1100 x 500 x 1460mm

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