

## SPARTUS® ProMIG 500W



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Product code:

ProMIG500WSynergy

Standard equipped: • **Device SPARTUS® ProMIG 500W Synergy** • Separated wire feeder 4R • Cooler • 4 wheel drive set • 3m electrode holder • User's manual

## SPARTUS® ProMIG 500W Synergy

Product code:

ProMIG500WSynergy\_pak\_501



package equipped: • **Device SPARTUS® ProMIG 500W Synergy** • Separated wire feeder 4R • Cooler • 4 wheel drive set • **5m connection cable set** • **MIG gun SPARTUS® SPP 501** • 3m electrode holder • **3m mass cable with screw clamp** • User's manual

The price of the package includes the option of choosing a 3-, 4- or 5-meter MIG gun.  
**! Lack of information results in random length selection.**

### Product description

## MULTIPROCESS WELDER DESIGNED FOR INDUSTRY

SPARTUS® Pro MIG 500W is a professional industrial semiautomatic MIG welder with separate wire feeder. The device is made by using modern solutions: inverter technology, IGBTs and PWM technology. It allows to weld in methods such as MIG/MAG welding, FCAW welding, TIG welding and MMA welding. The maximum welding **current is 500A with high duty cycle (60%)**. Device is powered from three phase 400V source power.

The device has built-in **23 synergic programs** for MIG/MAG welding, it allows to weld materials such as steel, stainless steel and aluminium. Just choose the right program and the value of welding amps that you need. Other parameters will be automatically given by the device. Additionally the operator has the possibility of manual correction of chosen program. In addition you can choose the manual mode and set all welding parameters according to the technological requirements.

SPARTUS® Pro MIG 500W has a wide range of functions that support the process of MIG/MAG welding such as:

**Wave Control** – precise control of the arc dynamics provides to complete control of the welding arc characteristic. It can reduce amount of welding spatters and you can control the width and depth of weld penetration.

**Burn back** – precise control of end time of burning welding wire, eliminates the risk of sticking the welding wire to contact tip.

**Slow feed** – also called soft start. Slow start of wire feeder is especially recommended when welding with high wire feed speeds. Slow start of feeding wire, eliminates the risk of defects at the beginning of the weld.

**2T / 4T** – the ability to choose one of two modes.

Separated 4-roll gear wire feeder is equipped with a function panel which allows to fully adjust MIG parameters in synergic mode and manual mode. Using **dedicated wire feeder with fully adjustable function panel** increases the range of the device and improves the quality and ergonomics of use in

harsh industrial environments. Device is compatible with Spool Gun. Also this wire feeder is equipped with handy grip and wheels.

SPARTUS® Pro MIG 500W function panel (at source power) allows to precise control welding parameters in TIG mode such as: welding current, 2T/4T mode and down slope. In MMA welding mode you can precise adjustment: welding current, hot start function (easier arc ignition), arc force (easier welding in tough positions). In addition the welding source is equipped with a VRD function.

**The cooler unit which is installed with SPARTUS Pro MIG 500W** provides to adequate cooling of MIG welding gun or TIG torch. The cooler is controlled by both function panels: on welding source or on wire feeder.

The unit is supplied with a dedicated welding trolley. The trolley has a sturdy carrying handle, chassis to mount gas cylinders and front swivel wheels. The unit installed on trolley creates a robust construction.

SPARTUS® Pro MIG 500W has been designed and constructed for specialized applications in the industry. The device is ready to work in harsh industrial environments, where you need the resistance to extreme loads, hight duty cycle and best performance.

Examples of use: heavy industry, shipbuilding, construction, production.

## Technical parameters

<b>Input</b>	~3× 400V ± 10% 50 / 60 Hz
<b>Welding current MIG [A]</b>	40 - 500
<b>Duty cycle MIG [%]</b>	60
<b>Output working voltage [V]</b>	10 - 50
<b>Wire feeding speed [m/min]</b>	1,5 - 24
<b>Wire feeder</b>	separated, 4 - roll gear
<b>Welding wire spool [kg]/[mm]</b>	≤ 15 / 200/300
<b>Wire diameter Ø [mm]</b>	0.8, 1.0, 1.2, 1.6, 2.0
<b>Additional features</b>	2T/4T control , Arc Force, Hot Start, VRD, Burn Back, inductance control, synergy, Slow feed, MMA welding, Pre-gas, Post-gas
<b>Welding current MMA [A]</b>	10 - 500
<b>No-load voltage [V]</b>	14,2
<b>Current consumption [A]</b>	45
<b>Power factor (cosφ)</b>	0,75
<b>Insulation class</b>	H
<b>Protection class</b>	IP23
<b>Weight [kg]</b>	101,5
<b>Dimensions [mm]</b>	1100 x 500 x 1460

PRODUCT CATEGORIES: [WELDING MACHINES](#), [MIG](#)

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