



product code: **PROTIG2000WACDC-TOWER**

**Package equipped:**

- ProTIG 2000 AC/DC
- cooler
- Hypercoolant - cooling liquid
- 2 wheel drive set
- user's manual



Use the configurator to complete the equipment according to your needs.

## Product variants

| Index   | Price                       |
|---|-----------------------------|
| ProTIG 2000W AC/DC [source, cooler, driving set]<br>PROTIG2000WACDC-TOWER   | €1,647.84 / pc<br>Net price |
| ProTIG 2000W AC/DC [source, cooler, driving set] package with TIG torch mini SPP 20 4B X - 4m<br>PROTIG2000WACDC-PAK-20-4 | €1,917.49 / pc<br>Net price |

## Product description

### ProTIG 2000W AC/DC - ADVANCED AND MULTITASKING AC/DC TIG WELDER WITH PULSE

SPARTUS® ProTIG 2000W AC/DC is a high-class, modern inverter welder, constructed based on IGBT transistor. It allows TIG AC / TIG DC and MMA welding, with a current intensity up to 200A. Powered by a single-phase 230V network. The device offers a wide range of possibilities for the aforementioned metal joining methods.



#### TIG WELDING

SPARTUS® ProTIG 2000W AC/DC offers versatile TIG AC and TIG DC welding options, providing welders with the choice of the most suitable arc ignition method - high frequency (HF) or Lift. Additionally, the machine is equipped with a **pulsating current welding** function, making it an ideal tool for working with very thin sheets and aluminum, ensuring high quality and precision of welds.

The device has features supporting the TIG welding process, such

as:

- **Choice of AC waveform shape:** Three options are available - square, sinusoidal, triangular - which allows for the adjustment of welding parameters to specific material requirements.

- **Adjustments: AC balance, current frequency, pulse frequency, pulse width, and pulse current**, which ensures excellent control over the welding process.
- **Adjustments of down and up slope:** Allows optimization of the arc dynamics, which is crucial for complex welds.
- **SingleSPOT and MultiSPOT Welding:** These options allow for precise spot welding, ideal for precision applications in the industry.
- **2T/4T operating mode:** Makes control easier and ensures comfort during both short and long-term welding projects.

Thanks to these advanced features, **SPARTUS® ProTIG 2000W AC/DC** becomes an invaluable tool for professionals who expect the highest quality and adaptability to various working conditions.

## MMA WELDING

**SPARTUS® ProTIG 2000W AC/DC** offers versatile MMA welding capabilities, both in AC and DC mode, making it an excellent choice for diverse applications. The device is equipped with supportive functions that significantly ease and optimize the welding process:

- **Hot Start:** Facilitates the initial ignition of the electrode, which is particularly helpful when welding more challenging materials, ensuring a smooth start and stable arc from the very beginning.
- **Arc Force:** Automatically adjusts the intensity of the welding arc, which facilitates welding in hard-to-reach places or in forced positions. This ensures greater control over the welding process, minimizing the risk of defects in the welds.

These built-in features of **SPARTUS® ProTIG 2000W AC/DC** guarantee higher quality welds and ease of use, even during the most demanding welding tasks.

## MEMORY CHANNELS

**SPARTUS® ProTIG 2000W AC/DC** is equipped with **10 memory channels**, which are a crucial tool for any professional, allowing for quick and efficient management of the welding process. Thanks to this feature, the welder has the ability to save and quickly recall the most commonly used machine settings, which significantly streamlines work and saves time when changing welding parameters between different projects or materials.



## CONTROL

**SPARTUS® ProTIG 2000W AC/DC** has a wide range of control options, depending on the welder's preferences. The device is compatible with TIG torches controlled by a 4B micro switch (UP&DOWN) or potentiometer. **ProTIG 2000W AC/DC** also offers the possibility of wired and wireless foot control using a specially designed remote control.



## COOLING

**SPARTUS® ProTIG 2000W AC/DC** offers a flexible cooling option, allowing operation with either gas cooling or through an integrated cooler. Simply switch the mode on the control panel to adjust the cooling system to current needs and working conditions.

## MOBILE SET ON A WELDING CART

**SPARTUS® ProTIG 2000W AC/DC** is delivered as a set with an integrated cooler mounted on a practical trolley. This convenient and functional configuration not only significantly improves the mobility of

the entire set but also enhances the cooling efficiency, which is crucial during longer welding sessions. Thanks to better heat dissipation, welders can work longer without the risk of overheating the equipment, which translates into higher performance and longer lifespan of the device. Additionally, the mobility of the set allows for easy movement between different workstations, which is particularly valuable in varying industrial conditions.

**SPARTUS® ProTIG 2000W AC/DC** is a multifunctional welding source that will meet the expectations of even the most demanding users. It ensures precision, efficiency, and durability, making it an indispensable tool in any professional welding environment.

## Technical details

|                            |  |
|----------------------------|--|
| <b>Input</b>               | <b>~1× 230V ± 10% 50 / 60 Hz</b>   |
| <b>TIG welding current</b> | <b>10 - 200 / 3 - 200A</b>   |
| <b>TIG duty cycle</b>      | <b>60%</b>   |
| <b>Gas pre flow</b>        | <b>0.1 - 2s</b>  |
| <b>Gas post flow</b>       | <b>0 - 10s</b>   |
| <b>Up slope</b>            | <b>0 - 10s</b>   |
| <b>Down slope</b>          | <b>0 - 10s</b>   |
| <b>TIG Pulse</b>           | <b>yes</b>   |
| <b>Pulse Amps</b>          | <b>DC: 3 - 200A AC: 10 - 200A</b>  |
| <b>Pulse Width</b>         | <b>5 -95%</b>  |
| <b>Pulse frequency</b>     | <b>0,5 - 999Hz</b>   |
| <b>AC frequency</b>        | <b>50 -250Hz</b>   |
| <b>AC wave forms</b>       | <b>square, sinusoidal, triangular</b>  |
| <b>AC balance</b>          | <b>10 - 99</b>   |
| <b>2T/4T Control</b>       | <b>yes</b>   |
| <b>SPOT welding</b>        | <b>yes</b>   |
| <b>Arc ignition</b>        | <b>LIFT / HF</b>   |
| <b>Control options</b>     | <b>wireless foot pedal, control in torch UP&amp;DOWN, wired foot control, control in the handle potentiometer, wireless remote control</b> |
| <b>Water cooler</b>        | <b>yes</b>   |
| <b>Tank capacity</b>       | <b>4l</b>  |
| <b>MMA welding current</b> | <b>10 - 200A</b>   |

|                             |  |
|-----------------------------|--|
| <b>Arc Force</b>            | <b>yes</b>   |
| <b>Hot Start</b>            | <b>yes</b>   |
| <b>No-load voltage</b>      | <b>10V</b>   |
| <b>Current consumpition</b> | <b>AC: TIG 20.1 / MMA 28.7 DC: TIG 20.8 / MMA 30.2</b> |
| <b>Power factor (cosφ)</b>  | <b>0.99</b>  |
| <b>Insulation class</b>     | <b>H</b>   |
| <b>Protection class</b>     | <b>IP23</b>  |
| <b>Weight</b>               | <b>43kg</b>  |
| <b>Dimensions</b>           | <b>570 x 545 x 1120mm</b>                              |
| <b>Control plug</b>         | <b>-</b>   |