

SPARTUS®



ProTIG
3000W DC

PROFESSIONAL TIG DC WELDER WITH PULSE



■ **SPARTUS® ProTIG 3000W DC** is a technologically advanced premium-class inverter welder. Built with IGBT transistor technology, it enables TIG DC and MMA welding with a maximum current of up to 320A. The machine is designed to operate on a three-phase 400V power supply.

TIG WELDING

SPARTUS® ProTIG 3000W DC, in TIG mode, provides welders with the option to choose the most suitable arc ignition method – high frequency (HF) or Lift. The machine is equipped with a pulse welding function, making it an excellent solution for welding thin sheets and aluminum, while ensuring the highest quality and precision of welds.

The machine is equipped with functions that support the TIG welding process, such as:

- **Adjustments:** pulse frequency, pulse width, and pulse current, providing excellent control over the welding process.
- **Current upslope and downslope adjustment:** enables optimization of arc dynamics, which is crucial for complex welds.
- **SinglesPOT and MultiSPOT welding:** these options allow precise spot welding, ideal for high-accuracy industrial applications.
- **2T/4T operating modes:** facilitate control and ensure comfort of use, both for short and long welding projects.

Thanks to these advanced functions, the SPARTUS® ProTIG 3000W DC becomes an invaluable tool for professionals who demand the highest quality and adaptability to diverse working conditions.



MMA WELDING

SPARTUS® ProTIG 3000W DC also offers MMA welding capabilities. The machine is equipped with supportive functions that significantly simplify and optimize the welding process:

- **Hot Start:** facilitates electrode ignition, especially useful when welding more challenging materials, ensuring a smooth start and a stable arc from the very beginning.
- **Arc Force:** automatically adjusts the intensity of the welding arc, making it easier to weld in hard-to-reach areas

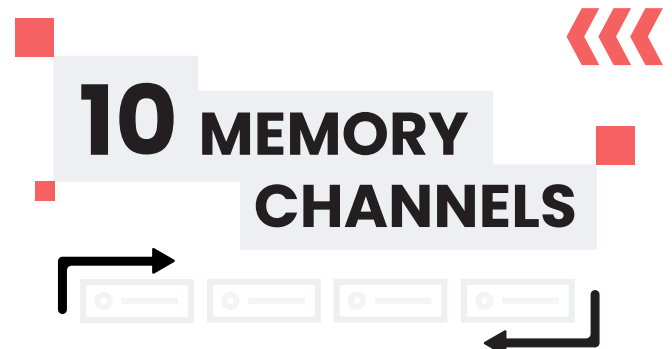
or forced positions. This provides greater control over the welding process while minimizing the risk of weld defects.

The above functions ensure higher weld quality, as well as comfort and ease of use, even when performing the most demanding welding tasks.

MEMORY CHANNELS

– QUICK RECALL OF SETTINGS

The SPARTUS® ProTIG 3000W DC is equipped with 10 memory channels, a key feature for every professional, enabling fast and efficient management of the welding process. This function allows the welder to save and quickly recall the most frequently used machine settings, significantly streamlining work and saving time when switching welding parameters between different projects or materials.

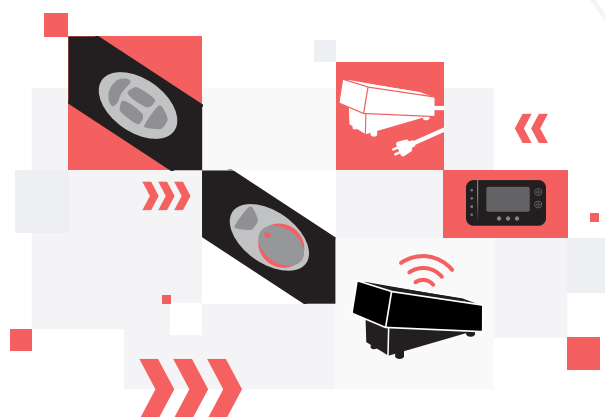


■ COOLING

The SPARTUS® ProTIG 3000W DC offers a flexible cooling option, allowing operation with either gas cooling or the integrated cooler. Switching the mode on the control panel is all it takes to adapt the cooling system to current needs and working conditions.



» Wersja urządzenia z chłodnicą
ProTIG 3000 DC



■ CONTROL

The SPARTUS® ProTIG 3000W DC offers a wide range of control options, depending on the welder's preferences. The machine is compatible with TIG torches operated via a 4B (UP&DOWN) microswitch or a potentiometer. The ProTIG 3000W DC also supports both wired foot control and wireless operation using a specially designed remote.

THE UNIT SUPPORTS VARIOUS FORMS OF REMOTE CONTROL:

Control options	UP&DOWN torch control	Torch control – potentiometer	Wired foot control	Wireless foot control	Wireless remote control
PROTIG 3000W DC	✓	✓	✓ SP-FC	✓ SP-FC2	✓ SP-PILOT3



■ EQUIPMEN

The SPARTUS® ProTIG 3000W DC is available both as a stand-alone power source and in various configurations tailored to the user's needs.

The suggested package includes:

- ProTIG 3000 DC
- cooler
- MaxCoolant- cooling liquid
- 4 wheel drive set
- TIG torch SPARTUS SPP 18 4B X 4m
- TIG toolbox (consumable kit)
- 3 m electrode holder
- 3 m work clamp
- gas hose
- user's manual

Thanks to a flexible and innovative customer-oriented approach, SPARTUS® Pro machines can also be configured with different torches and expanded with additional accessories, creating a set perfectly suited to the specifics of the job.

The **SPARTUS® ProTIG 3000W DC** is a versatile welding machine designed to meet the needs of professionals. It is distinguished by unmatched precision, performance, and reliability, making it a top choice for every experienced welder.

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PROTIG 3000W DC

TECHNICAL PARAMETER

Input	~3× 400V ± 10% 50 / 60 Hz	Arc ignition	LIFT / HF
TIG welding current	5 - 320A	MMA welding current	10 - 320A
TIG duty cycle	60%	Arc Force	yes
Gas pre flow	0.1 - 2s	Hot Start	yes
Gas post flow	0 - 10s	No-load voltage	10.5V
Up slope	0 - 10s	Current consumpton	TIG 18.4 / MMA 24.4
Down slope	0 - 10s	Power factor (cosφ)	0.7
TIG Pulse	yes	Insulation class	H
Pulse Amps	5 - 320A	Protection class	IP23
Pulse Width	5 - 95%	Weight	47kg
Pulse frequency	0.5 - 999Hz	Dimensions	570 × 545 × 1120mm
2T/4T control	yes		
SPOT welding	yes		

