



product code: **PROTIG321PWACDC-TOWER**

Package equipped:

- ProTIG 321P AC/DC
- cooler
- Hypercoolant - cooling liquid 5l
- 4 wheel drive set
- user's manual



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

Product variants

Index	Price
ProTIG 321PW AC/DC [source, cooler, driving set] PROTIG321PWACDC-TOWER	€2,374.57 / pc Net price
ProTIG 321PW AC/DC [machine with a cooler] package with TIG torch SPP 18 4B X - 4m PROTIG321PWACDC-PAK-18-4	€2,669.06 / pc Net price

Product description

MODERN AND EFFICIENT TIG AC/DC WITH PULSE

SPARTUS® ProTIG 321PW AC/DC is a inverter welder in a modern edition. It allows TIG AC/DC and MMA AC/DC welding with current up to 320A. The machine is powered from a 400V three-phase network.

Thanks to the solutions used, the ProTIG 321PW AC/DC also enables advanced TIG AC and TIG DC welding with a choice of arc ignition HF or Lift method. The machine is equipped with a pulse welding function, which makes the machine perfect for welding very thin sheets and aluminum.

ProTIG 321PW AC/DC has functions supporting the welding process in TIG method:

- **output AC waveforms:** square, sinusoidal, triangular,
- **2T/4T** Trigger Control,
- **AC balance, AC frequency, pulse frequency, pulse width and pulse amps** adjustment,
- **up slope** and **down slope** adjustment,
- **SPOT** welding.

ProTIG 321PW AC/DC enables MMA AC and MMA DC welding. The process of joining metals in this method is additionally supported by functions such as:

- **Arc Force**
- **Hot Start.**

Additionally the machine has 10 memory channels. The user can easily save and recall the most used settings.

The ProTIG 321PW AC/DC model is additionally equipped with an integrated liquid cooler, which ensures efficient cooling of the torch during welding with high currents. The whole is placed on a transport cart with space for a shielding gas cylinder.

Modern design, LCD function panel and the possibility of wireless control in combination with high-class components makes the ProTIG 321PW AC/DC stand out on the market.

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

Technical details

Input	~3× 400V ± 10% 50 / 60 Hz
TIG welding current	10 - 320A
TIG duty cycle	60%
Gas pre flow	0.1 - 2s
Gas post flow	0 - 10s
Up slope	0 - 10s
Down slope	0 - 10s
TIG Pulse	yes
Pulse Amps	10 - 320A
Pulse Width	5 - 95%
Pulse frequency	0.5 - 999Hz
AC frequency	50 - 250Hz
AC wave forms	square, sinusoidal, triangular
AC balance	10 - 99%
2T/4T Control	yes
Arc ignition	LIFT / HF
Control options	control in torch UP&DOWN, wired foot control, control in the handle potentiometer, wireless remote control
Water cooler	yes
Tank capacity	5l
MMA welding current	10 - 320A
Arc Force	yes
Hot Start	yes
No-load voltage	61V
Current consumpition	AC: TIG 18.7A / MMA 23.5A DC: TIG 19A / MMA 25.4A
Power factor (cosφ)	0.7
Efficiency η	85%
Insulation class	H
Protection class	IP21S
Weight	74.5kg
Dimensions	1150 x 600 x 1200mm
Control plug	9SPA - SPARTUS®