



# CastoTIG

Workshop Compact Units

Smart top quality welding



**2801 DC - 2802 AC/DC - 4502 AC/DC**

- full power at 100% Duty Cycle
- full colour sturdy screen ergonomic readability
- intuitive operation: Single button control
- job memory: Up to 1000 jobs can be stored
- state-of-the-art inverter for energy-efficient TIG welding
- the all-rounder for multiple sectors it even fits under your workbench

## CastoTIG 2801 DC - 2802 AC/DC - 4502 AC/DC

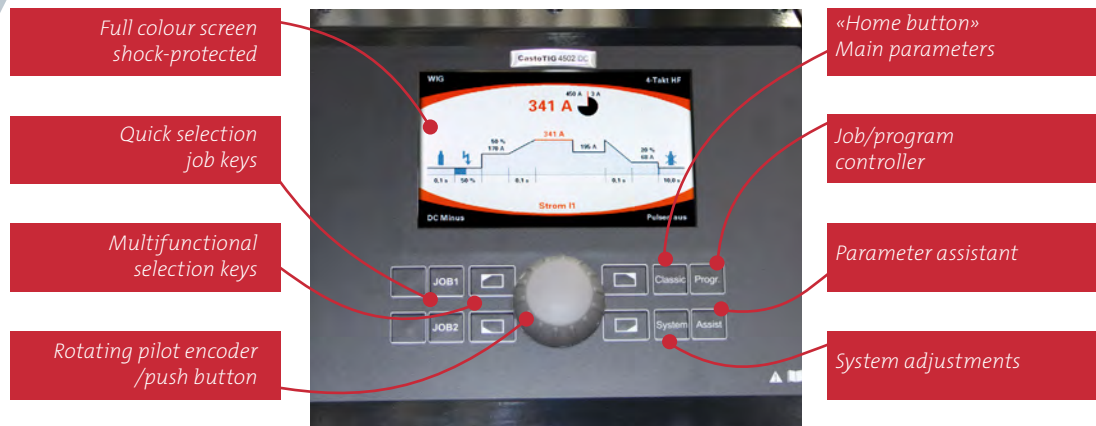
### CastoTIG - Simply welding better

With the CastoTIG 2801 – 4502 series, Castolin Eutectic offers TIG welding equipment with excellent ignition and welding properties for steel, stainless steel, nickel, nickel-based alloys, titanium, copper and all other conductive materials. The CastoTIG welding machines are also available in AC/DC versions for aluminium welding. CastoTIG welding equipment meets your expectations thanks to the wide range of applications, its optional automation interface and its top quality components, which guarantee perfect welding results.

### State-of-the-art inverter for energy-efficient TIG welding

Each CastoTIG 2801 – 4502 welding unit is fitted with an extremely efficient 200 kHz inverter 100 % Duty Cycle. Given its state-of-the-art components and intelligent energy management, Castolin Eutectic inverters convert virtually the whole supplied power into the arc. Given the high frequency pulsation within a range of up to 15,000 Hz, safe and uniform penetration is guaranteed whilst limiting the Heat Affected Zone. One further benefit is a stable and concentrated arc which rapidly creates the molten pool. The result is a time-saving positive effect in terms of CastoTIG welding unit power consumption.

The built-in watercooling for the TIG torch is equipped with a rotary pump and includes an intelligent energy management.



TECHNICAL DETAILS	CastoTIG 2801 DC	CastoTIG 2802 AC/DC	CastoTIG 4502 AC/DC
ESC	767454	767455	767456
TIG adjustment range	3 – 280 A	3 – 280 A	3 – 450 A
Duty Cycle (DC) with Imax. (10 min.) at 40 °C TIG	100 %	100 %	100 %
Welding current at 100% Duty Cycle at 40 °C TIG	280 A	280 A	450 A
Fuse (slow acting)	16 A	16 A	32 A
Protection class	IP 23	IP 23	IP 23
Power factor	0.96 cos phi	0.96 cos phi	0.96 cos phi
Mains voltage	3 x 400 V	3 x 400 V	3 x 400 V
Mains frequency	50 Hz	50 Hz	50 Hz
Torch control plug socket	19 poles	19 poles	19 poles
Weld cable socket	13 mm	13 mm	13 mm
Dimensions in mm (length x width x height)	850 x 600 x 900	850 x 600 x 900	850 x 600 x 900
Weight	76 kg	78 kg	82 kg

Also ask about the appropriate ACCESSORIES and TORCHES	
Description	ESC
Earth cable, 6 m, 50 mm <sup>2</sup>	303197
Earth cable, 6 m, 70 mm <sup>2</sup>	303118
Pressure reducer, Ar/CO <sub>2</sub>	301669
Foot remote control, incl. 5 m cable	767463
Support for the torch/hose package	767467
Adapter cable, 19 poles / 7 poles	767462
Y cable, 19 poles / 2 x 19 poles	767460
Coolant liquid, 5 l	304450
Remote control for MMA	767464
Automation interface	767466

Description	4 m	8 m
TORCH W221 UD/D 19P	767892	767893
TORCH W400 UD/D 7P	500264*	500265*
TORCH W480 UD/D 7P	755435*	755436*
TORCH W550 UD/D 7P	753440*	753441*

\* with adapter ESC 767462

Stronger, with Castolin Eutectic

[www.castolin.com](http://www.castolin.com) [www.eutectic.com](http://www.eutectic.com)