

CEBORA TIG WELDING MACHINE 'PFC'



WIN TIG AC-DC 270/T SYNERGY, art. 394
"water-cooled as an option"

APPLY NOW FOR UP TO 24 MONTHS WARRANTY!
Simply register at
<https://welding.cebora.it/de/assistance/register-your-product>
within 15 days of purchase.

CEBORA serial no.:

Article Number: **55906**

EAN Code: **9004853559068**

TECHNICAL FACTS

- TIG Set:
 - WIN TIG AC-DC 270/T
 - Transport trolley
 - Operating instructions

PRODUCT HIGHLIGHTS

WIG SYNERGY for quick and correct setting

Automatic parameter setting and electrode display after entering material, thickness and welding position

Equipped with 7" LCD touchscreen and user-friendly encoder

- Easy parameter selection also possible with welding gloves
- All settings are easy to adjust thanks to the large LCD display and the simple and intuitive graphics

TIG CYCLE - Complete welding cycle control

Excellent adjustment and controllability of all welding parameters

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TIG WAVE - Selection of different waveform combinations

- Optimal adjustment of the penetration depth and cleaning effect
- In AC TIG mode independent adjustment of amplitudes and times in waveform, burn-in and cleaning effect
- Mix function available to improve welding on cold parts

Minimum DC from 3 amps or AC from 5 amps

Enables optimum weld seams on profile edges of very thin stainless steel, while the 5 amp AC allows welding of very thin pieces of aluminium (e.g. edges on turbine blades)

AC frequency adjustable from 50-200 Hertz

- High pulse frequencies allow focussing of the welding arc more closely on the area to be welded
- The stitch weld option allows completion of welds that must be perfect in terms of heat input and penetration depth

Fast spot

Enables fast spot welding with minimal heat input thanks to individual adjustment (10 ms intervals) of welding and time interval

Pulsed DC TIG and PulsXP mode

With pulse frequency adjustment options of up to 15 KHz, it is possible to achieve an extremely focused arc with very high welding speed (high productivity)

APC function in TIG DC mode

This new feature allows automatic adjustment of the welding current to the arc height in order to maintain a constant weld pool at high welding speed and minimal deformation of the component

Model 340/T with user interface

LAN connection with integrated web server for remote maintenance, fault analysis and backups

Application examples -

- Production & steel construction companies
- Metal, railing & portal construction
- Machine, plant & tank construction
- Series & contract manufacturing

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Materials

- Steel
- CrNi
- Copper
- Aluminium

SPECIFICATIONS	
welding electrodes diameter	WIG 1,6 - 4,0 / MMA 1,6 - 5,0 mm
welding current setting	WIG 3-270 / MMA 10-210 A
100 % welding power source (10 min at 40 °C) at welding current	WIG 230 / MMA 190 A
welding power source (10 min. at 40 °C) at welding current	WIG 250 / MMA 200 A
welding power source (10 min at 40 °C) at welding current	TIG 40/270 / MMA 40/210 % / A
Open circuit voltage	57 V
voltage / phases	400 / 3 V / ~
Mains frequency	50 Hz
power tolerance	± 10 %
anti-surge fuse	10 AT
thermal overload protection	Yes
insulation class	H
Degree of protection (IP)	23
input power I1 max. / I1 eff.	WIG 11/9 / MMA 11,6/10 A
ground connection plug / cross-section	13 / 35 O / mm ²
connector	EURO CEE 16 A
Width	560 mm
Depth	950 mm
Height	1010 mm
Weight	69 kg

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START UP SERVICE - ELMAG - QUALITY

ELMAG® - Start-up Service

Including ELMAG®-Quality Check

- Depreservation, degreasing and de-securing
- Assembly until ready for use
- Oil filling of gearboxes, oil baths and central lubrication systems
- Testing of electrics, safety components and devices
- Test run on all shift and power levels
- 30-minute test run at the highest power level
- Checking and, if necessary, adjustment of machine tolerances, e.g. V-belt tension and spindle concentricity
- Testing of all machine functions

For lathes, in addition:

- Lathe chuck reassembly with marking of minimum tolerance
- Measurement of the spindle nose to tolerance < 0.01 mm
- Measurement of the lathe chuck
- Setting the tailstock parallelism

For MIG/MAG/MMA/WIG welding, plasma cutting & induction heating equipment (depending on the type of equipment)

- Assembly of the unit, chassis assembly
- Intermediate hose assembly
- Mains plug assembly and gas hose assembly
- Connection preparation for gas or compressed air
- Control cable plug Assembly on hose assembly
- Installation & activation of water cooling unit for modular systems
- Filling with cooling liquid for liquid-cooled units
- Short test run or test welding

Competent execution guaranteed

