



**CAR BENCH**<sup>®</sup>  
CAR BENCH INTERNATIONAL SPA

**ONLY THE BEST CAN BE NUMBER ONE**

# WELDER CB-302





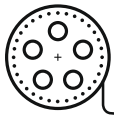
The CB-302 is a MIG-MAG inverter synergic welding machine, with pulse and double pulse functions, capable of welding and MIG brazing galvanized sheet metal, high-strength steel and aluminium alloys.

Thanks to the presence of 2 separate wire feed motors, which makes it possible to use 2 separate wire reels, it can therefore keep 2 different types of torch mounted simultaneously with different wires, as well as use special torches such as the Push-Pull.

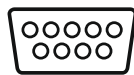
The CB-302 is the ideal response to the body's needs, faced with the increasingly widespread availability on the market of vehicles made completely, partly, or simultaneously of materials such as galvanized sheet metal, high-strength steel and aluminium alloys.

The power source is standard-equipped with a wide range of synergic curves in memory.

The compliance with EN 61000-3-12 brings substantial energy saving and a wide supply voltage tolerance (+15% / -20%).



**2- roller double wire feed unit and over 60 synergic curves**



**Software updating in few seconds**



**Pulse and Double Pulse functions**



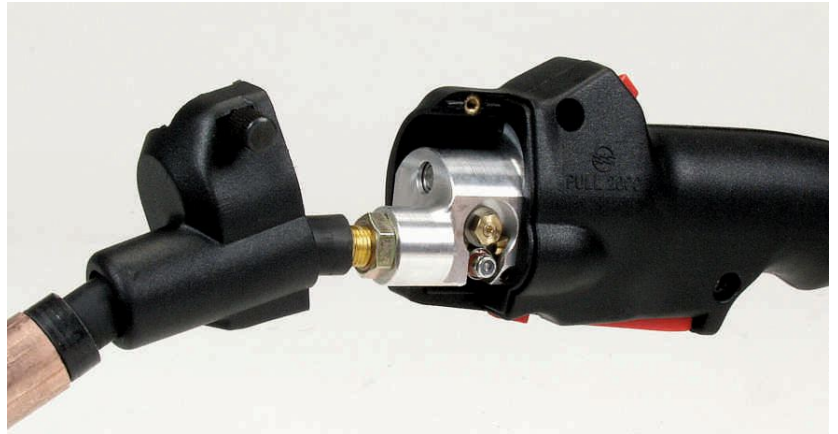
**Approved by several worldwide car manufacturers**

## FEATURES

- Aluminium 2-roller-wire feed unit (  $\varnothing$  30 mm)
- Equipped with transportation trolley ground lead (3,5 m - 25 mm<sup>2</sup>) and clamp
- Pre-arranged for cooling unit
- Over 60 synergic covers supplied as standard curves for Solid, Stainless steel, Aluminium. It's suitable for welding and brazing galvanized sheet metal, high strength steel and aluminium alloys. The microprocessor in the control circuit makes it possible to upgrade, even over a long period, the synergic programs stored in the machine by means of an optional kit (art. 136)
- Two separate 4-roller-wire feed motors, allowing to work with two different types of coils, thus keeping assembled two type of different torches with different wires. (Also CEBORA Push-Pull 2003 torch)
- **Equipped with double current level function (MIG Short process), Pulse and e Double Pulse**
- The power source is supplied with many adjustable functions which can be accessed from the panel, including:
  - Arc Length, 2/4 strokes, Spot Time, Pause Time, Inductance, Burn Back, Soft Start etc
  - SHORT or PULSE process
  - Three important specific functions dedicated to an optimal aluminum welding (3 levels, Automatic Hot Start, Automatic Crater Filler)
- The Euro connector allows to use either a standard MIG torch or the Push-Pull 2003 one
- It is possible to work with two different types of coils:  $\varnothing$  200 mm -  $\varnothing$  300 mm

## AIR COOLED PUSH PULL TORCH

The PULL 2003 torch with digital current adjustment (up-down) allows us to weld all solid wires, especially aluminium wires with a diameter of 0.6/0.8/0.9/1.0/1,2 thanks to the feeder built into the grip and to its unique internal design. The torch weighs just 970 grams and has a maximum width of 66 millimeters.



## AIR COOLED MIG TORCH

air cooled 280 A 60%  
'Euro' attachment - 3,5 m



## WELDING

The material and diameter of the wire being equal, double pulse operation permits welding even the thinnest thicknesses. It also allows achieving good welding results in special conditions such as, for instance, vertical upward.



Pulse



Double pulse



Brazing with CuSi 3 wire



Brazing with CuAl 8 wire

# WELDER CB-302



## TECHNICAL FEATURES

Single phase input	230V 50/60 Hz +15% / -20%
Fuse rating (slow blow)	20 A
Input power	5,7 KVA 60% - 4,1 KVA 100%
Min.-max. current that can be obtained in welding	15A / 200A
Duty Cycle (10 min.40°C) - According to IEC 60974.1	200A 60% - 160A 100%
Stepless regulation	Electronic
Wire size that can be used	0,6/0,8/0,9/1,0 Fe 0,6/0,8/0,9/1,0/1,2 Al 0,6/0,8/0,9/1,0/ Inox 0,8/0,9/1,0 Cu-Si 3% 0,8/1,0 Cu-Al18 (AlBz8)
Max. wire spool size	Ø 200 mm /5 Kg - Ø 300 mm /15 Kg
Protection class	IP 23 S
Weight	75 Kg
Dimensions	588 x 952 x 990H mm



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**Car Bench International S.p.A.**  
Via Dorsale, 22 - 54100 Massa (MS) - ITALY  
info@carbench.it - ph. +39 0585 251261  
www.carbenchinternational.com