



CAR BENCH[®]
CAR BENCH INTERNATIONAL SPA

ONLY THE BEST CAN BE NUMBER ONE

WELDER CB-301



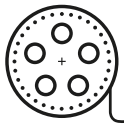
The CB-301 is a MIG-MAG inverter synergic welding machine, with pulse and double pulse functions, capable of welding and brazing galvanized sheet metal, highstrength steel and aluminium alloys.

It is a power source that , thanks to the synergic pulsed technology used, is especially recommended for welding aluminium. It also offers of a complete range of synergic programs for aluminium wires.

Using the power source with the 2003 Push-Pull torch makes it possible to achieve optimum welding starting with Ø0.6-gauge wires. The CB-301 power source also contains saved synergic curves corresponding the CuSi 3% and CuAl8 (AlBz8) wires used for brazing and welding, that make the power source **especially suitable for brazing and welding galvanized sheet metal and high-strength steel.**

Two types of torches may be used with the CB-301 power source: Standard MIG and Push-Pull 2003. It's also possible to work with two different types of spools: Ø 200mm (standard version with trolley Art. 1656 for power source) or Ø300 mm (with spool kit art. 114 and power source trolley art. 1656). The power source is standard-equipped with a wide range of synergic curves in memory.

Complies with EN 61000-3-12.



2-roller wire feed unit and over 70 welding programs



Software updating in few seconds



Possibility of using Push-Pull torch



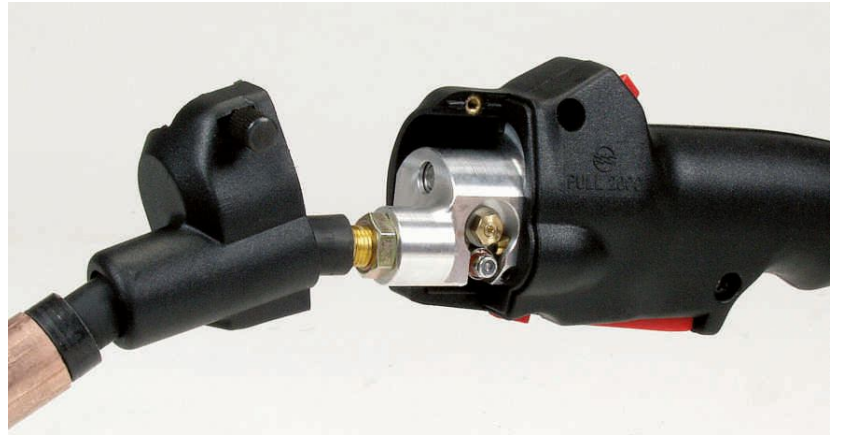
Pulse and Double Pulse functions

FEATURES

- Aluminium 2-roller-wire feed unit (Ø 30 mm)
- Equipped with transportation trolley ground lead (3,5 m - 25 mm²) 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 type of torches can be used: Mig Standard torch and Push Pull 2003 torch. This last one allows to weld wire from Ø 0.6
- 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 importants 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:
 - Ø 200 mm (standard version with transportation trolley only for power source Art. 1656)
 - Ø 300 mm (with coil kit [Art. 114] and transportation trolley only for power source Art. 1656)

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.



MIG TORCH AIR COOLED

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-301



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-Inox 0,6/0,8/0,9/1,0/1,2 Al 0,8/0,9/1,0 Cu-Si 3% 0,8/1,0 Cu-Al8 (AlBz8)
Max. wire spool size	Ø 200 mm /5 Kg - Ø 300 mm /15 Kg
Protection class	IP 23 S
Weight	21,5 Kg
Dimensions	260 x 580 x 471H mm



CAR BENCH
TRAINING ACADEMY

REPAIR
METHODS

CAR BENCH
EQUIPMENT TRAINING

CUSTOMIZED
OEM TRAININGS



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