



CAR BENCH[®]
CAR BENCH INTERNATIONAL SPA

ONLY THE BEST CAN BE NUMBER ONE

WELDER CB-344



SYNERGYC AND INVERTER THREE-PHASE POWER SOURCE

*It's particularly recommended to weld
MIG brazing and welding galvanized sheet metal,
high-strength steels and aluminum*



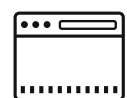
The CB-344 is a three phase MIG-MAG inverter power source, **pulse and double pulse**, capable of welding and brazing galvanized sheet metal, highstrength steel and aluminium alloys.

It is standard-equipped with over 75 synergic curves in memory.

Thanks to the presence of 2 wire feed motors equipped with 4 aluminium rollers, which make it possible to use 2 different wire spools, it can therefore keep 2 different types of torch mounted simultaneously with different wires, as well as use special torches of Push-Pull type.

The CB-344 is the ideal response to the body shop 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 steels and aluminium alloys.**

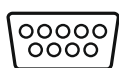
Complies with EN 61000-3-12.



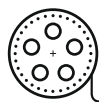
User-friendly
LCD
Display



Pre-arranged for
Pulse and Double
Pulse functions



Software
updating in
few seconds



4-roller double
wire feed unit and over
70 welding programs

FEATURES

- Double aluminium 4-roller-wire feed unit (Ø 30 mm)
- Equipped with power source transportation trolley, ground lead (3,5 m-35 mm²) and clamp
- Wide range of standard synergic curves for Solid, Stainless steel, Aluminium. It's suitable for welding and brazing galvanized sheet metal, high strength steel and flux-cored 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)
- User-friendly 5" LCD Display
- Pulse upgrade function [Art. 238], which allows to activate synergic curves dedicated to solid, mild steel, stainless steel, aluminum and CuSi3. It has got more than 75 welding programs
- Double Pulse function
- 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 Push-Pull 2003 torch)
- 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)
- Euro connector allows to use either a MIG standard torch or a Push-Pull 2003 one
- It is possible to work with two different types of coils: Ø 200 mm or Ø 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.

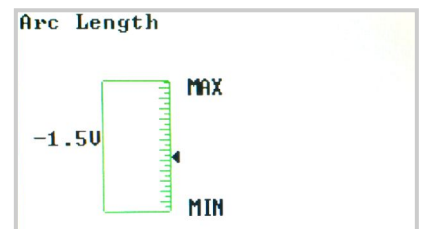


AIR COOLED MIG TORCH

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



AlMg2.7Mn 5554 1.2mm Ar 2T		
220A		13.0 m/min
26.0V ↓		8.0 mm

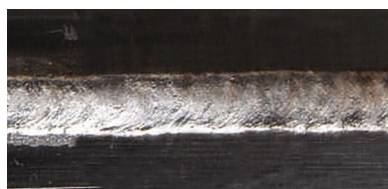


Wire Selection	
AlMg5	5356 0.9mm Ar
AlMg5	5356 1.0mm Ar
AlMg5	5356 1.2mm Ar
AlSi12	4047 0.8mm Ar
AlSi12	4047 0.9mm Ar
AlSi12	4047 1.0mm Ar
AlSi12	4047 1.2mm Ar

Process Parameters	
HSA	ON
Start Current	135%
Start Current Time	0.5s
Slope Time	0.5s
CRA	ON
Slope Time	0.5s
Crater Current	60%

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 overhead.



Pulse



Double pulse



Brazing with CuSi 3 wire



Brazing with CuAl 8 wire

WELDER CB-344



TECHNICAL FEATURES

Three phase input	400V 50/60 Hz +15% / -20%
Fuse rating (slow blow)	16 A
Input power	9,0 kVA 20% - 8,3 kVA 40% 6,3 kVA 60% - 4,9 kVA 100%
Min.-max. current that can be obtained in welding	20A ÷ 270A
Duty Cycle (10 min. 40° C) According to IEC 60974.1	270 A 20% - 250 A 40% 220 A 60% - 180 A 100%
Stepless regulation	Electronic
Standard supplied synergic programs	0,6 / 0,8 / 0,9 / 1,0 / 1,2 Fe 0,8 / 0,9 / 1,0 / 1,2 Al 0,8 / 0,9 / 1,0 / 1,2 Inox 0,8 / 0,9 / 1,0 CuSi 3%
Max. wire spool size	Ø 200 mm - Ø 300 mm
Protection class	IP 23 S
Weight	76 Kg
Dimensions	588 x 945 x 985H mm



CAR BENCH
TRAINING ACADEMY

REPAIR
METHODS

CAR BENCH
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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