

BR10PT600/800 HF welding machine



Introducing the Balacchi BR8PT600/800 Stationary HF Welding Machine, a compact yet powerful solution for your small-scale manufacturing needs. With power ranging from 8 to 12 kW, this machine is designed to be non-bulky and can be conveniently placed in various settings.

Key Features

Space Efficiency: The machine offers 600/800 mm of free space behind the electrode, ideal for material hosting and facilitating multiple welding procedures.

Ergonomic Design: The welding table, equipped with rounded wood, ensures smooth fabric sliding, enhancing operator comfort and productivity.

User-Friendly Control Panel: Simple and intuitive controls boost efficiency, ensuring consistent production quality and substantial repeatability.

Versatility: Suitable for various industries, including small technical covers, advertising items, packaging, office accessories, and the automotive sector.

Precision and Robustness: The BR8PT600/800 excels in precision work, making it perfect for applications where craftsmanship and durability are critical.

Enhanced Comfort Options: The machine can be equipped with additional features like lasers, personalized electrodes, an easy electrode-changing system, lights, and side tables to further improve work comfort.

The Balacchi BR8PT600/800 is the perfect tool to support production where precision, craftsmanship, and robustness are imperative. This machine combines high efficiency with ergonomic design, ensuring that it meets the demands of various industrial applications while enhancing operator comfort and productivity.



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PERFORMANCES

- Power: 8-10 kW
- Pressing force: 750 Kg
- Working frequency: 27.125 MHz
- Distance between rod and generator: 600mm

PNEUMATICS

- Balacchi components
- Setting from 0 to 10 BAR

PRESS

- C steel electro-welded structure cleared and cnc worked
- Mobile head in electro-welded steel cleared and worked in cnc with two flowing guides and buckles in recirculation of spheres mounted on the carrying structure
- Completely screened welding slab
- Inferior fixed plan cnc worked
- Pneumatic driver with cylinder diameter bore 630 mm
- Dimension welding table 1000 x 1100 mm
- Adjustable welding pressure from 200 kg to 750 Kg
- Press opening 200 mm
- Adjustable stroke 200 mm
- Structural mathematics calculated under ANSIS norms

HF GENERATOR

- Generator with resonant cavity
- Ceramics triode model ITL5 with forced air cooling
- Air transformers from high tension to low tension
- Tensions rectifier bridge with diodes of silicon complete of protections for the overstrains
- Suppressor of discharges model SCR
- Working frequency 27.125 MHz
- Frequency stability +- 0.6 %
- Power max 8 Kw
- Feed 400v three-phases

SOFTWARE AND MANAGEMENT

- Software exclusively developed by Balacchi HF engening/programmer team for the complete control and regulation of the entry welding process
- Balacchi HF is unique that developed the program which has possibility to manage the power adjustment with pursuing of value or through percentage of distribution



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- PLC program ensures that welding process remains within the prescribed narrow intervals during the work execution. The machine gives warning signals or stops automatically if the predicted welding parameter changes. In this manner high quality welding is guaranteed: insufficient/weak welding seam or overheating of material are completely avoided.
 - PLC can store up to 50 recipes with 32 different welding parameter to adjust: power output, pressure, time, velocity, press moving, cooling etc.
 - Commands on front side machine with touch screen operator panel. The control panel is intuitive and easy to handle, designed to fulfil ergonomic demands.

