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BR20PT1500

HF welding machine



Balacchi's HF welding machines are renowned for their exceptional durability, safety, and reliability. This reputation is primarily due to the high-quality mechanical, electrical, and pneumatic components utilized in their construction. Among their lineup, the BR20PT1500 and BR15PT1200 models stand out for their unique features and capabilities, catering to diverse industrial needs.

BR20PT1500: The Epitome of Durability and Versatility

The BR20PT1500 is the flagship model from Balacchi, celebrated for its maximum durability, safety, and reliability.

Key features

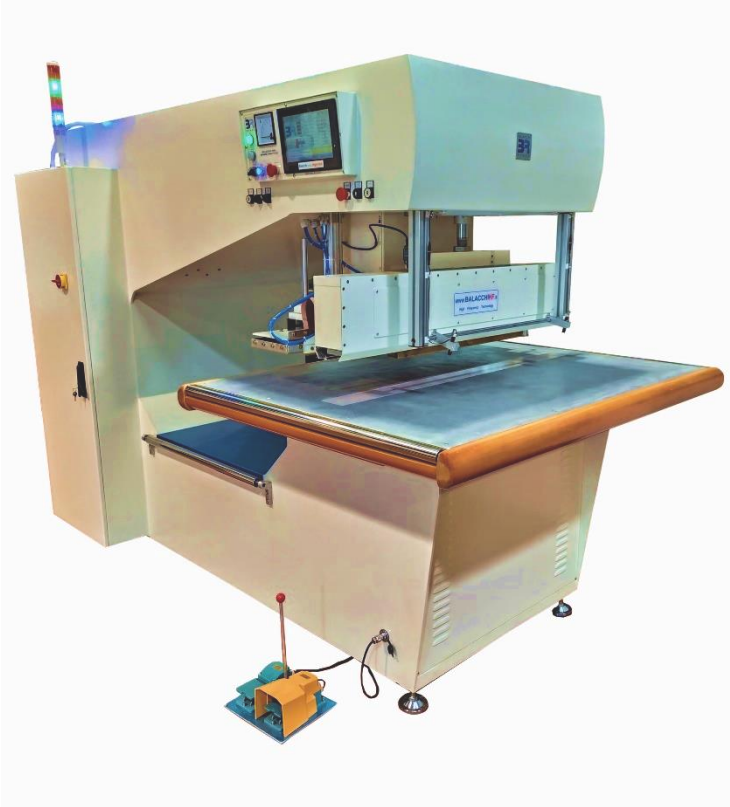
High-Quality Components: The machine is built with top-tier mechanical, electrical, and pneumatic parts, ensuring long-lasting performance.

Safety and Efficiency Accessories: Equipped with a press protection system, foot pedal, laser guides, remote control, and a vacuum system for precise material positioning, the BR20PT1500 guarantees a safer and more efficient workflow.

Customizability: The machine can be upgraded with various accessories and customized electrodes to meet specific customer requirements.

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User-Friendly Design: A rounded wooden welding table facilitates easy fabric manipulation and sliding, enhancing operational efficiency.



Power Range: With power ranging from 10 to 25 kW, it caters to various industrial applications requiring medium power.

Large C Frame: The machine boasts a 1500mm C frame with ample space behind the welding tool, enabling precise and detailed welding operations for complex structures.

High-Quality Welds: The machine's performance ensures high-quality, strong, uniform, and straight welds, essential for durable and reliable PVC structures.

Why Choose Balacchi HF Machines?

Unmatched Reliability: The use of high-quality components guarantees the longevity and consistent performance of Balacchi machines.

Enhanced Safety: Built-in safety features and accessories protect operators and streamline the welding process.

Versatility and Customization: Both models offer options for upgrades and customizations to meet specific industrial needs, making them adaptable to a wide range of applications.

Ease of Use: Thoughtful design elements such as the rounded wooden table in the BR20PT1500 facilitate easier fabric handling and welding operations.

Balacchi HF welding machines, with their robust design and innovative features, are the perfect choice for industries seeking reliable and efficient welding solutions. Whether you need the maximum durability of the BR20PT1500 or the precision and power of the BR15PT1000, Balacchi offers a solution tailored to your needs.

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PERFORMANCES

- Power: 15-25 kW
- Pressing force: 750 Kg
- Working frequency: 27.125 MHz
- Distance between rod and generator: 1500mm

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 1700 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 ITL15 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 27 Kw
- Feed 400v three-phases

SOFTWERE AND MANAGEMENT

- Software exclusively developed by Balacchi HF engering/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.

