

## BR4PT400DA

### Double arm welding machine



Introducing the Balacchi HF BR4PT400 DA High Frequency Welder - a compact, economical, and versatile solution designed to handle a variety of welding applications with precision and ease. This middle-power machine excels in creating intricate welds on small surfaces, making it perfect for working with various PVC sheets.

Equipped with the innovative "Double Arm" electrode, the BR4PT400DA is tailored for delicate tasks that demand careful material manipulation and meticulous welding on small fabric areas. The ergonomic design of the "Double Arm" electrode ensures comfortable and efficient operation, making the welding process both easy and intuitive.

Ideal for repair work and small-scale manufacturing, the BR4PT400 is perfectly suited for producing items that require multiple welding operations. Whether you're working on flexible protections, swimming pool cladding, advertising materials, sunscreen canvases, or products in the medical, automotive, babyhood, inflatable, and waterproof clothing industries, the BR4PT400 delivers exceptional results.

Elevate your welding capabilities with the Balacchi HF BR4PT400DA precision, versatility, and user-friendly operation all in one compact machine.

#### PRESS

- C structure in electro-welded steel cleared and CNC worked with inferior fixed plan CNC worked
- Distance from the electrode to the body of the machine: 400 mm
- Adjustable run from 30 mm to 200 mm
- Completely screened welding slab – welding rod fully projected for HF performances
- Adjustable welding pressure: from 200 kg to 1200 Kg



**Balacchi s.r.l.**

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- Security system for anti-crushing hands
- Press starting through electric pedal/ buttons
- Automatic clamping system for fast rod exchanging
- Structural mathematics calculated with ANSIS system
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- **HF GENERATOR**
- Working frequency: 27.125 MHz  $\pm$  0.6%
- Power output: 4 kW
- Voltage: 400 V three-phase
- Ceramics triode with forced air cooling
- Generator in cavity
- Transformers from high voltage to low voltage
- Tensions rectifier bridge with diodes of silicon completed of protections for the overstrains
- Suppressor of discharges model SCR
- Electronic proportioning device of high frequency

**CONTROLS AND ADJUSTMENTS**

- Controls via touchscreen panel designed for simplicity and ergonomic needs
- Digital adjustment with software designed by the Balacchi team for controlling and regulating the entire welding process
- Power adjustable by achieving the desired value or distribution percentage
- The PLC program ensures the welding process remains within the set intervals for job execution and emits alarm signals or stops automatically if the expected parameter varies, ensuring high-quality welding: completely avoiding insufficient and/or weak weld seams or material overheating
- The PLC can store up to 50 programs with 32 different welding parameters to adjust: power, pressure, time, speed, movement, cooling, etc.

**ELECTRICAL AND PNEUMATIC SUPPLY**

- Power supply voltage: 400 V three-phase + N + T
- Compressed air: 6 Bar, dehumidified from your system
- Dimensions: 1000 mm x 1200 mm

