Balacchi s.r.l.
SEDE LEGALE: Via Vassallo, 31 - 20125 Milano (MI)
SEDE OPERATIVA: Via L. Muratori, 4 - 20030 Senago (MI)
tel. +39(0) 284924790 - fax. +39(0) 284924778
info@balacchi.it - www.balacchi.it
REG.IND./COD.FISC./P.IVA 08780020965

BR10 TV3

HF welding machine



Introducing the HF ROTATING welding machine that sets a new standard in packaging efficiency: the Balacchi BR10 TV3. Engineered with a robust 6 to 10 KW power supply, its standout feature is a dynamic rotating table supporting up to 6 workstations. This innovative setup enables multiple operators to collaborate seamlessly without interruption, streamlining your production process like never before.

For enhanced performance, the BR6 TV4 offers an optional hydraulic driving system, providing increased pressure power tailored to your specific requirements. Customize your machine with a choice of body colors to match your brand's identity and workplace aesthetics, ensuring a professional and cohesive look.

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Each workstation is equipped with versatile welding electrodes, capable of handling a wide array of packaging materials with precision and reliability. Whether you're working with delicate items or heavy-duty materials, the BR6 TV4 delivers consistent results, making it the ideal choice for diverse packaging needs.

Elevate your packaging operations with the Balacchi BR10 TV3 and discover how our advanced technology can optimize your production efficiency while maintaining superior quality standards. Join industry leaders who rely on our innovative solutions to stay ahead in today's competitive market.

Balacchi rotary working table is equipped with special high precision rotary indexing gear controlled by frequency inverter. The machine operation is based on step by step technology with possibility of multiple welds in one cycle

PRESS

- C-shaped structure in steel sheet with welded tubular and profiled sections
- Welded steel work surface
- Fully shielded welding plate with preheater of 500 x 700
- Removable mold plate with defined centering positions
- Pneumatic piston type
- Electric heating system for the welding plate with thermostat regulation
- Usable dimensions of the work surface 500 x 700
- Adjustable welding pressure from 600 to 1500 kg pneumatic
- Maximum temperature of the welding plate heating 180°
- Welding piston stroke 200 mm max

HF GENERATOR

- Cavity oscillator
- Ceramic type triode with forced air cooling
- High voltage to low voltage transformers type in air
- Voltage rectifier bridge with silicon diodes complete with overvoltage protections
- Centrifugal cooling fan
- Transistor-type discharge suppressor
- Operating frequency 27.12 Mhz
- Frequency stability under conditions of + - 0.6
- Maximum delivered power 10 kW
- Power supply 400V three-phase
- Controls via PLC with keyboard

ROTARY TABLE



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- Our model 2200 with 3 stations rigidly connected to the aforementioned welder and equipped with:
  - ✓ Anticorodal aluminum disk diameter 2200 mm with side protection casing
  - ✓ Work surface 500 x 700
  - ✓ Heated electrode holder with automatic locking of the mold plate
  - ✓ AUT/MAN rotation cycle
  - ✓ Option to adjust rotation speed from 0.5" to 5"
  - ✓ Note: During rotation, the disk is lifted to avoid rubbing with the machine table
  - ✓ Separate adjustment and control console

MACHINE WELDING SYSTEM COMMAND AND CONTROL

- PLC configuration
- Interface relays
- Variable motor control
- Control panel on separate console with operator panel management
- Visual and audible alarm indication
- Supplementary materials
- Electrical diagrams
- Ability to manage power adjustment by tracking value or distribution percentage

Technical performances	BR6	BR8	BR10
Power efficiency - HF power from generator to electrode	6 KW	8 KW	10 KW
Power Input - Maximum power installed	7.8kW	10.4kW	13kW
Main fuse	25A	25A	25A
Power supply - voltage	Three phase, 400V ± 3%; 50Hz		
Working frequency	27.125 MHz ± 0.6%		
Pneumatic press drive	1000 kg		
working table space (mm)	350x 500	350x 500 500x700	350x 500 500 x700
Working stations	4 or 6	4 or 6	4 or 6
Pre-heated welding plate	Optional		
Hydraulic press drive	Optional		
Protection against discharge	Standard SCR		
System for hand protection	Balacchi HF Security System		
Management and control	Manual operation panel (Balacchi HF) or touch screen programmable PLC		
Total weight	900 kg	950 kg	1100 kg

