

## BR10 – 20 automatic lines HF welding machine



### High Frequency Welding Machine for the Paper Sector (Power Range: 6 to 20 KW)

Balacchi HF brings decades of expertise to the paper sector, offering high-frequency welding machines tailored to meet your specific needs. Our machines enable the production of transparent folders, book covers, document plastic protections, and more.

**Customizable Solutions** The Balacchi BR20 CL can be customized with numerous features to enhance work comfort and efficiency. These include:

**Remote Control:** Allowing for easy operation from a distance.

**Easy Tool Changing:** Facilitating quick and hassle-free transitions between tasks.

**Sliding Roll with Numerical Control:** Ensuring precise and smooth material handling.

Designed for the Paper-Transformation Industry our machines are ideal for large-scale production lines, processing materials directly from reels. These systems typically include:

- **HF Welding Machine:** Providing reliable and high-quality welds.
- **Material Transport System:** Efficiently moving materials through the production process.
- **Advanced Control Options:** Including manipulators, robots, and accessories for stamping, boring, cutting, and more.

## Versatile Applications

Balacchi HF welding machines cater to a wide range of products, including:

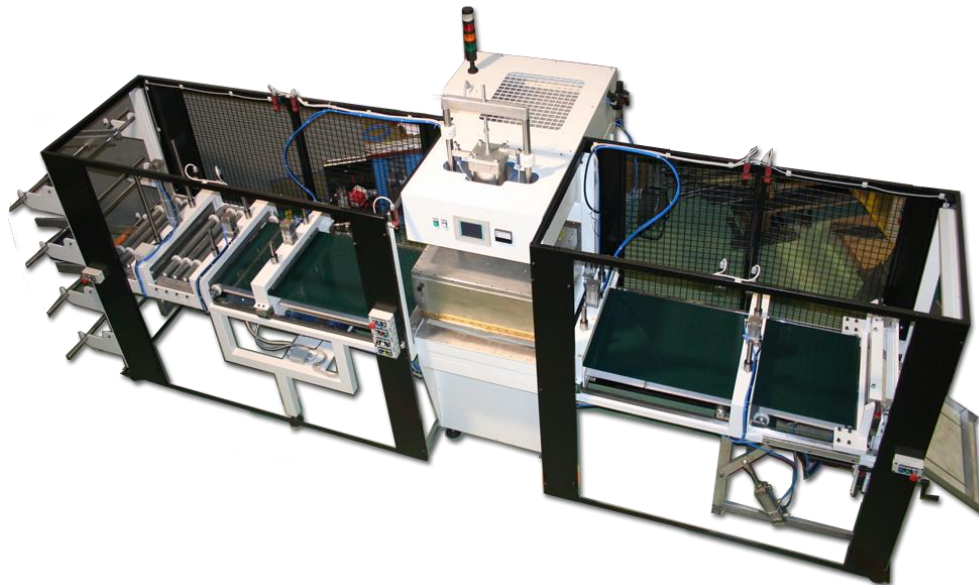
- ✓ Stackers
- ✓ Price List Folders
- ✓ Book Covers
- ✓ Portfolios
- ✓ Agendas
- ✓ Address Books
- ✓ Document Holders
- ✓ Promotional Material
- ✓ Marketing Advantages

**High Customization:** Our machines are tailored to meet the unique requirements of your production line, ensuring optimal performance and flexibility.

**Enhanced Efficiency:** With features like remote control and easy tool changing, our machines significantly increase productivity and user satisfaction.

**Precision and Reliability:** The sliding roll with numerical control guarantees precise handling of materials, leading to consistent, high-quality output.

**Comprehensive Solutions:** From standalone units to integrated production lines, our systems are designed to accommodate various production scales and complexities.



## Software

Balacchi's advanced PLC (Programmable Logic Controller) system is expertly engineered to provide comprehensive control and regulation of the welding process.

**Custom Software:** Exclusively developed by Balacchi engineers, the software ensures precise control over the welding process, maintaining it within strict parameters.

**Automatic Monitoring and Alerts:** The PLC program continuously monitors the welding process. If any parameter deviates from the set intervals, the machine immediately signals an alert or halts operations to prevent issues, ensuring consistent, high-quality welds and preventing weak seams or material overheating.

**Power Adjustment Management:** Balacchi's unique software allows for precise power adjustment, either by tracking specific values or adjusting based on a percentage distribution.

**Recipe Storage:** The PLC can store up to 50 different "recipes," each containing up to 32 adjustable welding parameters such as power output, pressure, time, speed, press movement, machine travel, and cooling settings.

**User-Friendly Interface:** The high-tech touch screen control panel on the machine's front side is intuitive and easy to use, designed with ergonomic principles for user comfort and efficiency.

This sophisticated PLC system ensures optimal performance, safety, and efficiency, making Balacchi welding machines highly reliable and user-friendly for various industrial applications.

Technical performances	BR6	BR8	BR10	BR15	BR20
Power efficiency -	6kW	8kW	10kW	15kW	20kW
HF power from generator to					
Power Input -	7.8kW	13 KW	13.6kW	19.5kW	26kW
Maximum power installed					
Main fuse	25A	32A	32A	50A	63A
Powersupply- voltage	Three phase, 400V $\pm$ 3%; 50Hz				
Working frequency	27.125 MHz $\pm$ 0.6%				
Pneumatic press drive	1000	1000	1200	1200	1200
Welding table dimension ( mm)	350 x	350 x	500 x	500 x	600 x
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				

