

PULSA SUPRIM

Automatic Impulse Heat Welder

- Excellent use with PVC, PE, PU, Acrylics - all thermoplastic fabrics coated, woven and non-woven
- Standard available weld lengths are 200cm, 320cm, 430cm, 540cm, 600cm
- Welding seam widths: 8, 10, 15, 25mm
- Automatic folding, welding, overlap joining, Zips, PVC profiles and reinforcements, stick/slat insertion
- Compact designed, opened design machine for better visibility of work space
- Interchangeable welding bars for versatility of use
- Linear servo-drives for precision and repeatability of seams
- Multilanguage touch screen HMI operation with recipes memory
- Multipoint precision PLC temperature control ($\pm 3^{\circ}\text{C}$)
- PLC controlled heating and cooling cycles for consistent welds
- Automatic welding pockets and hems
- Welding zippers with servo control of weld line position
- InvisiWELD technology for creating virtually invisible seams
- Universal use for seams required by the sign, awning, pergola and blind makers
- Optional use of hotmelt tape for bonding non-welding fabrics
- Optional lasers for ease of fabric positioning
- Advanced safety features with pressure switch and optical sensors



Zemat Technology Group is a leading European design and manufacturing company of heat welding machines and auxiliary processing equipment

PULSA SUPRIM - quick overview

➤ **Pulsa SUPRIM** series are the most advanced thermo impulse sealing machine for welding all kind of technical textiles with precision controlled welding parameters and automatic functions for folding, overlapping, hem pockets, reinforcements, zippers and profiles. The multi step sealing control process creates the best looking and strongest seams with ease and simplicity of use and full operator ergonomics.

Materials used:

- PVC laminated fabrics
- Vinyl coated fabrics, Vinyl Films
- Polyurethane (PU) coated fabrics, Polyurethane films
- Polypropylene-coated fabrics
- Polyethylene (PE)
- Thermoplastic
- Rubber fabrics
- Acrylics and others...

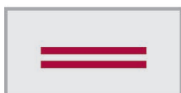
Automatic functions:



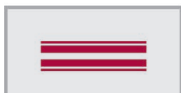
Overlap welding



Pockets welding



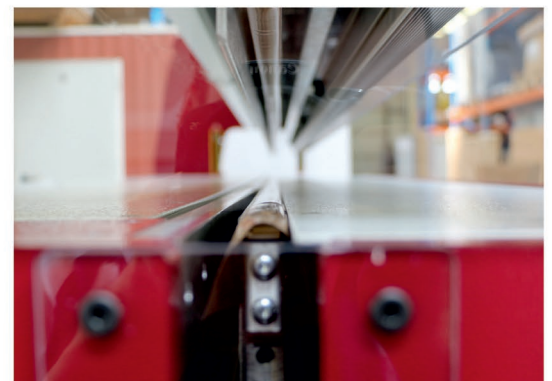
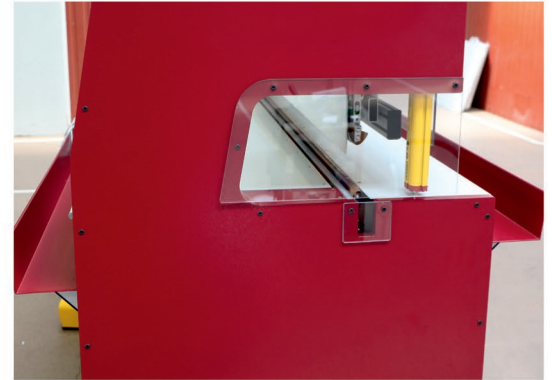
Simple welding



Reinforced welding



Zipper welding



➤ Custom built tooling and electrodes available upon request. Each machine is built according to customers needs. We can modify and adjust any parameters if required at additional cost.

➤ Our machines fully comply with CE regulations for EMC, FCC and OSHA standards.

Technical specification

Pulsa Suprim 320i

Seam width	10 mm (8, 15, 25 mm available)
Welding length	320 cm (126") (200 cm [79"], 430 cm [169"], 540 cm [212"], 600 cm [236"] available)
Pocket sizes	26 - 110 mm
Welding cycle time approx:	10 sec*
Maximum temperature	260°C (500°F)
Electric supply	380 V/3 phase or by request
Average electric consumption	6 kVA
Compressed air supply	6 bar
Compressed air consumption	ca. 25 L/min
Dimensions	L 3500 x W 1080 x H 1750 mm
Weight	1500 kg

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