

PULSA ECO

Impulse Heat Seal Welder

- Excellent use with PVC, PE, PU, Acrylics – basically all coated thermoplastic fabrics, woven and non-woven
- Standard available weld lengths are 200cm, 320cm, 430cm, 600cm
- Welding seam widths: 8, 10, 15, 25mm
- Manual folding, welding, overlap joining, Zippers, PVC profiles and reinforcements, stick/slat insertion with special tools – up to 320cm long!
- Compact designed, opened design machine for better visibility of work space
- Precision PLC temperature control ($\pm 3^{\circ}\text{C}$)
- PLC controlled heating and cooling cycles for consistent welds
- Welding of pockets and hems with the use of simple folding tools
- Individual temperature control of upper and lower welding bars
- Universal use for welding seams in banners, sign, awnings, roller blinds, etc.
- Optional lasers for ease of fabric positioning
- Advanced safety features with pressure switch and optical sensors
- Optional side tables



Made in European Union

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



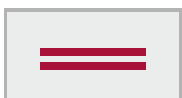
PULSA ECO - quick overview

► **Pulsa ECO** is a semi-automatic advanced thermal **impulse** sealing machine for welding all kinds of technical textiles with a precision controlled welding parameters and manual 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.

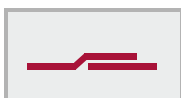
Applications:

- 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...

Semi-automatic functions:



Simple welding



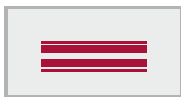
Overlap welding



Pockets welding



Zipper welding



Reinforced welding



Technical specification

Pulsa ECO 320i

Seam width	10 mm (8, 15, 25 mm available)
Welding length	320 cm (126") (200 cm [79"], 430 cm [169"], 600 cm [236"] available)
Welding tools max length	320 cm
Pocket sizes	20 - 80 mm
Welding cycle time approx:	10 sec
Maximum temperature	300°C (570°F)
Electric supply	400 V/3 phase or by request
Average electric consumption	6 kVA (during weld cycle)
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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