

**CONVERTING**

Shrink Sleeve Seaming & Gluing Machine

Fully automatic, mould-less shrink sleeve seamer for PVC, PETG and OPS — up to 600 m/min, seam 30 – 350 mm.

**600 m/min**

MAX. SPEED

30 – 350 mm

SEAM WIDTH

up to 820 mm

WEB WIDTH

9 kW

TOTAL POWER

The machine forms printed shrink film into a continuous sleeve, applies solvent glue and seals the centre seam, then rewinds the finished sleeve ready for cutting. It runs PVC, PETG and OPS shrink film from 30 to 100 microns, at speeds up to 600 metres per minute.

It is a mould-less machine. The forming wheel and forming table are driven by servo motors and set from the screen, so changing from one sleeve width to another does not require a set of forming templates. Seam widths from 30 to 350 mm are covered on the same machine.

The glue system uses a double-channel dispensing gun whose angle is adjustable up and down and forward and back, fed from a pressurised glue tank. A drying blower speeds the evaporation of the solvent, which allows the higher running speed.

TECHNICAL PARAMETERS

Applicable materials	PVC, PETG, OPS and similar shrink film
Material thickness	30 – 100 microns
Material width	up to 820 mm
Seam (tube) width	30 – 350 mm, according to the material run
Seaming precision	± 0.5 mm
Mechanical speed	0 – 600 m/min
Unwind diameter	Ø 650 mm maximum
Unwind core diameter	3 in / 76 mm
Rewind diameter	Ø 700 mm maximum
Rewind core diameter	3 in / 76 mm
Web guide correction range	± 25 mm
Total power	approx. 9 kW
Voltage	AC 380 V, 50 Hz, three phase, four wire
Dimensions (L×W×H)	3,100 × 1,650 × 1,600 mm

EQUIPMENT

Unwind	Cantilever air-expanding shaft, automatic inflation, servo controlled
Pneumatic pressing line device	Pneumatic tear-line knife
Mechanical punching device	Perforation to assist shrinkage of the material
Forming	Mould-less forming wheel and forming table, servo controlled
Glue supply	Pressurised glue tank
Glue application	Double-channel dispensing gun, angle adjustable up/down and forward/back
Drying	Drying blower to accelerate solvent evaporation
Seam inspection	Automatic stroboscope, synchronised to line speed
Width control	Automatic measurement of the folded tube width after sealing
Rewind	Independent servo drive, automatic tension control, swinging oscillation winding
Control	Touch-screen interface for centralised setting and operation

KEY FEATURES

- Mould-less forming — sleeve width is changed from the screen, with no set of forming templates to buy, store or fit.
- Seam accuracy of ± 0.5 mm across the full 30 – 350 mm range.
- Speeds up to 600 m/min, supported by the pressurised glue supply and the drying blower.
- Automatic stroboscope holds a still image of the seam and follows the line speed, so the seam is checked while running.
- Folded tube width is measured automatically after sealing.
- Servo drives on unwind, forming, glue application and rewind.
- Rewind with automatic tension control and swinging oscillation winding for stable, evenly built rolls.
- Cantilever air-expanding unwind shaft with automatic inflation for fast roll changes.
- Touch-screen control of all settings from one panel.

OPTIONAL

- Horizontal and vertical tear line

PHOTOGRAPHS



Sleeve running through the machine

WARRANTY & AFTER-SALES SERVICE

Every machine carries a warranty of one (1) year from the date of commissioning, covering the repair or replacement of parts in case of manufacturing defects. It does not cover malfunctions resulting from misuse, neglect or external factors such as unstable power, accidents, tampering or force majeure, nor wearing parts consumed in normal operation — sealing knives and cutting blades, Teflon tape, heaters, filters and screens.

Installation, commissioning and operator training are arranged by Miroplastic, and an operating manual is supplied with each machine. Technical support is available by telephone and email during the warranty period and thereafter. Spare parts and consumables are available from Miroplastic.

Photographs are for reference only. Miroplastic reserves the right to improve the specification of its machines without prior notice. Actual output depends on the material, width and thickness run.

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