

**CONVERTING**

High Speed Shrink Sleeve Cutting Machine

Cuts seamed shrink sleeve into finished labels with point-break perforation — 50 – 600 pcs/min, label length 10 – 500 mm held to 0.2 mm.

**50 – 600 pcs/min**

SPEED

10 – 500 mm

LABEL LENGTH

≤ 0.2 mm

CUT TOLERANCE

7 kW

TOTAL POWER

The cutting machine takes the seamed sleeve and cuts it into finished labels, with point-break perforation. It handles PVC, PET, PETG and OPS shrink film, and is also used for slicing electronic, computer and optical film materials. Label length is set on the screen anywhere between 10 and 500 mm, and is held to within 0.2 mm.

The machine is controlled by PLC through a touch screen. Unwinding runs under a magnetic powder brake, while the main drive, the traction and the feed each have their own servo motor — that is what holds the cut length at speed. The cantilever layout lets one operator run the machine, and the unwind stops automatically when the material runs out.

It is the second machine of the shrink sleeve line, after the Shrink Sleeve Seaming & Gluing Machine.

TECHNICAL PARAMETERS

Applications	Point breaking and cutting of PVC, PET, PETG and OPS shrink film labels; slicing of electronic, computer and optical film materials
Mechanical speed	50 – 600 pcs/min
Material width	30 – 300 mm
Label length	10 – 500 mm
Tolerance	≤ 0.2 mm
Unwind diameter	Ø 700 mm maximum
Unwind core diameter	3 in / 76 mm (6 in / 152 mm optional)
Total power	approx. 7 kW
Voltage	AC 380 V, 50 Hz
Dimensions (L×W×H)	3,200 × 1,000 × 1,150 mm
Machine weight	approx. 700 kg

BRAND SPECIFICATION

Magnetic powder brake	Taiwan
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Tension pick-up	OMRON
Take-off servo motor and controller	3 kW · XINJE
Main servo motor and controller	1.5 kW · XINJE
Feeding servo motor and controller	1.5 kW · XINJE
Photocell eye	JULONG
Touch screen	7 in · MCGS
Web guide (EPC)	EURDOW
Rubber nip rolls for take-off	2 pcs · Wuxi, China
Hard anodised aluminium guide rolls	4 pcs · Wuxi, China
Pneumatic units	1 set · AirTAC
Bearings	1 set · FK
Switching power supply	MORNSUN
Precision control valves	3 pcs · NNT
Relays and low voltage switchgear	1 set · DLX
Swivel joint	EASUN

KEY FEATURES

- PLC control throughout, operated from a touch-screen interface.
- Magnetic powder brake on the unwind for steady tension.
- Separate servo motors on the main drive, the traction and the feed, for accurate cut length.
- Cantilever design — one operator can run the machine.
- Automatic stop when the unwind runs out of material.
- High-sensitivity photocell control of the print mark.
- Remote diagnostics.
- Mechanical parts machined on gantry machining centres and CNC machine tools.

OPTIONAL

- Perforation unit, "T" type
- Perforation unit, "V" type
- Conveying device

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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