

PLM-S1000H300

Close-Pleat Filter Production Line



Features

- Wide pleating & high speed. Pleat height of 10–300 mm and speed up to 12 m/min at 50 mm pleat height.
- Precise glue control. Independently controlled glue points ensure uniform glue application.
- Stable pleating control. PLC-controlled tension and roller pleating ensure consistent formation.
- Integrated cooling & slitting. 4 cooling fans and 6 slitting knives support stable pleating and clean edges.
- Reliable safety system. Panasonic/Teco servo motors with alarms, emergency stops, and temperature monitoring.

Applications

This production line is suitable for producing high-efficiency pleated filter media.

Specification

- Product Name: PLM-S1000H300
- Processing width: Max. 980 mm
- Pleating height: 10–300 mm (10–18 mm: 2 preset heights; 18–305 mm: PLC adjustable)
- Production speed: Up to 12 m/min at 50 mm pleat height
- Glue lines: 38 lines, 2 rows
- Glue gun configuration: 2 sets of 38-point glue guns (domestic)
- Glue line control: Individual solenoid valve control; intermittent and folding modes
- Hot melt unit: 50 L × 1 unit (domestic standard type)
- Slitting knives: 6 pcs
- Loading method: Pneumatic-assisted loading
- Unwinding tension control: PLC controlled
- Glue cooling: 4 fans
- Safety protection: Alarm and emergency stop functions
- Frame: Steel structure
- Voltage: 380 V, 50 Hz
- Power: 30 kW
- Overall dimensions (L × W × H): 7000 × 2500 × 1700 mm
- Air consumption: 0.3 m³/min
- Weight: 1.3 t
- Creasing blade width: 1 mm
- Pleating method: Roller-type up-and-down reciprocating forming
- Air inlet diameter: 10 mm

