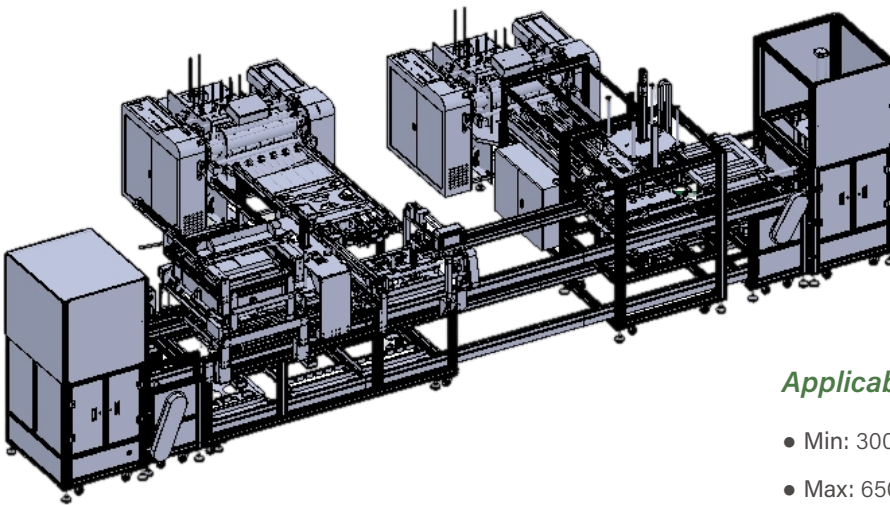


PLM-ZKZZ-2

Fully Automatic Paper Frame Filter Assembly Line



Features

- **Automatic Feeding & Gluing System.** Automatically feeds top and bottom covers, applies glue accurately, and conveys smoothly.
- **Adjustable Mold Design.** Fits multiple filter sizes without frequent mold changes.
- **Integrated Forming Mechanism.** Forms upper and lower covers together for stable, uniform bonding.
- **Hot Pressing & Air-Cooling System.** Ensures strong adhesion and consistent shape.
- **Full-Line Synchronization.** PLC control enables real-time communication across stations.
- **Compact Layout.** Saves floor space while maintaining efficiency.
- **User-Friendly Interface.** Easy to operate, monitor, and maintain.
- **High Automation, Low Labor Demand.** Minimizes manual work and boosts productivity.
- **Fast Forming Speed & Stable Performance.** Delivers reliable, consistent output.
- **Adjustable for Various Product Sizes.** Easily adapts to different filter specifications.
- **Proven & Mature Design.** Reliable, field-tested, and low risk.

Applicable Product Size

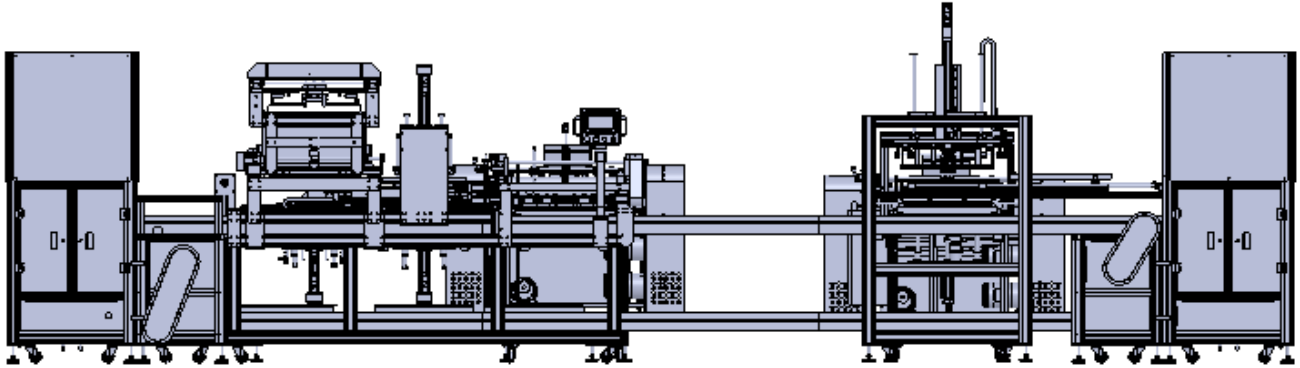
- Min: 300 × 300 × 19 mm
- Max: 650 × 650 × 50 mm
- Cycle Time: 20–30 s/pc
- **Power Supply:**
380V / 50Hz (Main line); 220V / 50Hz (sub-units)
- **Total Power:** ≈ 35 kW
- **Air Pressure:** 0.6–0.8 MPa
- **Machine Dimension (L × W × H):**
Approx. 8500 × 5500 × 2500 mm
- **Control System:** PLC + Touch Screen

Process Flow

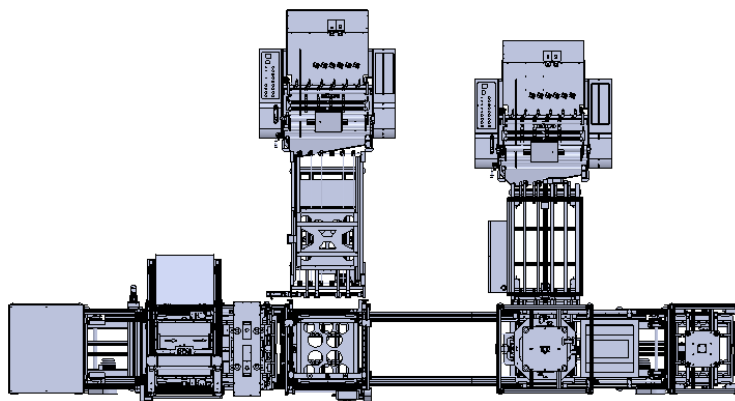
- Bottom cover automatic feeding
- Glue coating (roller glue machine)
- Glue coating (roller glue machine)
- Top cover automatic feeding
- Glue coating (roller glue machine)
- Automatic flipping of top cover
- Positioning and forming
- Hot pressing and air-cooling
- Automatic unloading of finished filters.



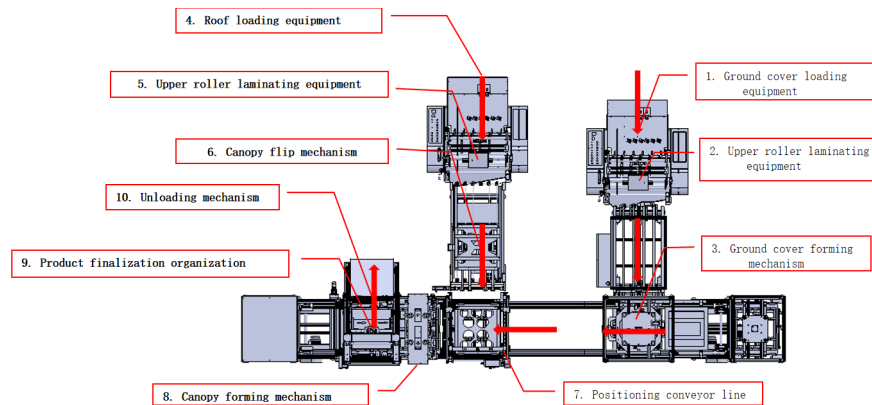
Front view of the production line



Top view of the production line



Automatic line process description



Automatic line layout diagram

