

PLM-TZJ-1

Center Tube Slide Paper Applicator



Specification

- Machine Dimension (L × W × H): 900 × 840 × 1050 mm
- Machine Weight: Approximate 150 kg
- Compressed Air Supply: Clean Dry Stable Compressed Air 0.5–0.7 MPa
- Power Supply / Capacity: Single-phase AC 220 V / Max 1 kW
- Machine Capacity: Approximate 1000 pcs/hour

Applications

- **RO membrane element production:** Ensures perfect attachment of the paper sheet to the central tube before reverse osmosis membrane winding, optimizing the membrane layer structure.
- **Industrial Water Treatment Equipment:** Used to manufacture high-precision filter element assemblies, improving membrane element durability and filtration efficiency.
- **High-end Water Purification Equipment:** Ensures high yield and extends the service life of membrane elements for residential and commercial water purifiers.

Features

- **High-Precision Attachment.** Ensures wrinkle and offset-free attachment of the paper sheet to the central tube, preventing membrane damage or flow path blockage caused by misalignment during subsequent film winding.
- **Improves Film Quality.** Uniformly covers the central tube opening, preventing direct contact between the membrane sheet and rough surfaces, reducing the risk of scratches.
- **Automated Operation.** Reduces manual intervention, improving production efficiency and consistency, and reducing human error.
- **Precise Positioning Control.** A high-precision tension adjustment system ensures a smooth and even attachment of the paper sheet, preventing skew and bubbles.
- **Intelligent Tension Management.** Automatically controls the paper sheet's tension and flatness, adapting to different central tube specifications and paper sheet materials.
- **Strong Compatibility.** Compatible with various RO membrane element manufacturing processes and adaptable to central tubes of varying diameters and lengths.

