

# PL-AUTO55-700M

## Automatic Knife Folding Machine



### Features

- High-precision servo drive. Equipped with dual 2 kW servo motors and precision linear guides, ensuring stable and accurate folding even at high speeds.
- Intelligent temperature control. 6 kW heating system with adjustable temperature range (room temperature to 300 °C) for optimal folding and shaping of different filter paper materials.
- Flexible speed adjustment. Folding speed up to 400 folds/min and slitting/feeding speed from 0.5–12 m/min, allowing seamless adaptation to diverse production requirements.
- User-friendly control system. Touch screen with PLC control enables intuitive operation, visual parameter settings, and enhanced safety features.

### Specification

- Product Name: PL-AUTO55-700M
- Folding types: N, M, W, and special shapes
- Maximum filter paper feed width: 700 mm
- Minimum filter paper slitting width: 15 mm
- Total motor power: 4.5 kW
- Main motor: 2 kW servo motor
- Folding knife drive motor: 2 kW servo motor
- Heating plate lift motor: 500 W stepper motor
- Air supply pressure: 0.6 MPa
- Power supply voltage: 380 V / 50 Hz
- Fold height range: 4–60 mm
- Maximum folding width: 700 mm
- Folding speed: 0–400 folds/min, infinitely adjustable
- Heating power: 6 kW
- Temperature control range: Room temperature to 300 °C
- Approximate machine weight: 860 kg

### Applications

- Automotive filter paper processing: Suitable for folding and slitting various filter papers, including oil filters and air filters.
- Industrial filter material production: Capable of processing a wide range of filter papers with a maximum width of 700 mm and a fold height of 4–60 mm, offering high compatibility.

