

Heat Shrink Tubing Machine



What is a Heat Shrink Tubing Machine?

The KK1012 heat shrink tubing machine automates the process of cutting and shrinking heat-shrink sleeves onto wires and cable assemblies. Compared to manual heat guns, it improves consistency, productivity, and safety in wire harness manufacturing.

Process Flow

Tubing Feeding → Length Cutting → Thermal Shrinking → Product Removal

This streamlined flow ensures accurate shrink length and even heating, making it suitable for a wide range of applications.

Applications & Industry Use

This machine is ideal for:

- Automotive wiring harness protection (IP67 sealing with adhesive-lined tubing)
- Consumer electronics and terminal insulation

- Power cable and AC/DC line insulation
- Military and aerospace cable preparation

The KK1012 effectively solves low-efficiency issues faced by manual heat shrinking operations.

Equipment Specifications

| Parameters | Details |
|-----------------|---|
| Model | KK1012 |
| Power Supply | AC220V |
| Power Frequency | 50/60HZ |
| Rated Power | 600W |
| Application | Heat-shrink tubing processing |
| Dimensions | (L)500×(W)750 (including tray) ×(H)1300mm |
| Total Weight | 80KG |

Key Features

Touchscreen PLC Control: Simple UI for easy operation and real-time monitoring

Full Automation: Feeding, cutting, and shrinking done in one cycle

Customizable Settings: Configurable for tubing size, shrink ratio, and cut length

Labor Saving: Eliminates manual handling and heating variability

Consistent Shrink Results: Even, reliable insulation across all wires

Core Components & Build Quality

| No. | Product Name | Model/Specification | Qty. | Brand | Notes |
|-----|--------------|---------------------|------|--------|-------|
| 1 | Heating Tube | HX14-150mm | 1 | Custom | |

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|-----|----------------------|---------------------|------|----------|-------|
| 2 | Photoelectric Sensor | FC-SPX305Z | 2 | JAZZ | |
| 3 | Stepper Motor | SL86S2100A13 | 2 | Shenli | |
| 4 | Pneumatic Cylinder | - | 5 | Xingchen | |
| 5 | PLC | XD3-32T-E | 1 | XINJE | |
| 6 | Touch Screen | TG465-MT | 1 | XINJE | |