

Fully Automatic Double Head Copper Tape Machine

TR-ARM-08A

(Wire crimped to thermal cut-off resistor and terminated and sleeved at both ends)

- ✓ HMI + PC controller
- ✓ Automated production
- ✓ Saving labour cost



Processing speed:
approx. 850-1000pcs/H (line length 80-300mm)

Craftsmanship

Creating high quality machines



Strength
manufacturers



No worries
after the sale



Support for
customisation



technical
guidance



durable



excellent
quality

Processing sample display

Applicable to household appliances / automotive wiring harness / industrial wiring harness and other bulk electronic components and wires riveted copper strip equipment



Areas of application



Appliance
Harness



Automotive
Wire Harness



Industrial
transformers



power plug



Lighting
products

Product Parameter

Equipment name	TR-ARM-08A Automatic Double Head Copper Tape Machine		
Machine functions	Automatic Wire Cutting + Stripping + Terminal Punching + Crimping Terminals + Bulk Resistor Automatic Feeding + Resistor Forming + Riveting Resistor (U-Terminal/Copper Strip) + Sleeving		
Wire Diameter	AWG18#-32#	riveting force	2.0-3.0KG
Wire processing length	45mm or more on one side (special lengths, if any, can be customised)		
processing speed	800-1000 strips/hour (line length 80-300mm for example)		
Applicable width/thickness of copper strip	Width: 2-8mm; Thickness: 0.3-0.5mm		
Product pullout force	2-20kg (assessed on crimp product)		
Resistance cut-off length	Adjust the length according to the product		
Machine weight	About 800-1000KG	size	1650x950x1700mm
Driver Configuration	Servo Motors / Asynchronous Motors		
Motor power	0.75-1.5kw		

Description of features

This equipment can automatically feed the material, automatically feed the wire, cut the wire, strip the wire, resistor riveting and pressure connection, riveting and pressure connection detection, the two ends of the terminal, the middle of the casing, to achieve continuous, efficient, high-quality automated production of the product.

1. The equipment is stable and reliable continuous production, generous and beautiful modelling, easy to operate and debug;
2. The quality of finished products can reach the sample requirements;
3. The production beat of the equipment: take the resistor riveted and pressed at both ends to connect the wires, and hit the terminals at both ends, the wire length is 80-300mm, for example, it is about 850-1000 strips per hour/hour;
4. All parts are blackened, chrome-plated and anodised. The frame and sheet metal are made of cold rolled plate with baking paint and stainless steel 304, and the mechanical parts are equipped with safety guards;
5. Adopting human-machine interface and PC controller, with alarm function for wire shortage, rewinding and other abnormal stoppage.

Equipment Main Configuration

Category	Brand	Quantity
Servo motor 400W	Mitsubishi	7 sets
Servo motor 100W	Mitsubishi	8 sets
Linear slide	Shangyin	Number of sets
Screws	TBI	Number of sets
Stepping motor	Asahi Spring	6 sets
Fibre optic detection	CMS	5 sets
Cylinder	Adecco	Some
Solenoid valves	Adecco	A number of sets
Electrical components	Zhengtai	Several
High-speed silent copper tape machine	Ruifengcheng	2 sets
High-speed silent terminal machine	Ruifengcheng	2 sets
KK Module	TBI	2 sets
Comprehensive tools		1 set

Equipment processing process flow

1. The material (resistor/fuse wire/casing/wire) is loaded by manual stage;
2. The material is fed automatically through the wire feeding mechanism;
3. The programme can be adjusted to feed the wire/casing length, stripping length parameters;
4. The front and rear ends of the wire are stripped, and then the front end of the wire is terminated, and then sent to the next station;
5. Resistor by the fixed length shear and wire riveted with terminals;
6. The second wire before the stripping is completed with the resistor element for riveting the other end;
7. Casing cut off, wear casing.
8. Wire end playing terminals. End of a cycle. Automatic cyclic production, without manual operation.

Equipment processing method selection

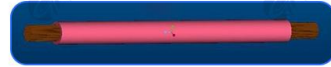
Double-ended Cutting Line



Electronic wire fixed length cut off



Stripping at one end :
Stripping length can be set on
the operating panel



Stripping at both ends :
Stripping length can be set on
the operating panel

Riveting process (with the possibility of sleeving)



Single-ended riveted fuses + single-sided crimp terminals

Double riveted ends with optional crimp terminals



Double-ended riveted fuses + single-sided crimp terminals

Double-ended riveting, optional without terminals



Riveting Fuses

Double riveted, double crimped terminals (terminals can be freely switched)



Double riveted fuses + double crimp terminals

Double-ended riveted, double-sided crimped terminals (free choice of sleeving on one side)



Double riveted fuse + double crimp terminal + single side through sleeve

Double-end riveting, double-sided crimping, (double sides can be free to choose to wear casing)



Double riveted fuse + double crimp terminals + double feedthrough sleeve

Product Details



operation panel

Chinese and English touch screen, intelligent operating system, simple panel, simple operation, parameters can be set arbitrarily.

servo motor

Adopting servo control and stepping feed control, according to the product requirements to set the wire cutting length, peeling length, resistance cutting length, high precision, long life, stable operation.



LED lighting

Energy saving and power saving, long service life; Spotlight clear and not blinding, convenient for debugging the mold.



Product Structure Diagram



Product Display

