S-10 Fully Automatic Wire Tinning Machine



1. Device function :

This machine is designed for automatic wire cutting, single-end stripping, double-end stripping, single-end wire twisting, double-end wire twisting, single-end tinning, and double-end tinning. It is suitable for multi-wire electronic wire processing and helps improve production efficiency and process consistency.

2. Product Parameter:

Product name	S-10 Fully Automatic Wire Tinning Machine (8-10 wires)
Power supply	AC220V / 50Hz
Function	Wire cutting, single-end stripping, double-end stripping, single-end wire twisting, double-end wire twisting, single-end tinning, double-end tinning
Wire processing range	AWG32#-AWG16# (For wire diameters above 16#, an additional guide hole can be installed, depending on the wire material.)
Output	1350-1500 cycles/hour; 6000-14000 pcs/hour. AWG32-28: 10 wires at the same time; AWG26-24: 8-9 wires; AWG22-20: 6-7 wires; AWG18-16: 4-5 wires. (Depending on wire size and cut length.)
Cutting length	10-850 mm (Longer length available upon request)

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3. Equipment Configuration Details:

1	1 set servo and 6 sets stepper motors (Delta servo)
2	Delta touch screen
3	Taiwan Hiwin linear guide
4	Taiwan TBI lead screw
5	Control system: ARM + FPGA
6	E-MC solenoid valve
7	AirTAC cylinder
8	Omron fiber detection
9	Taiwan Mean Well power supply
10	Zhejiang HuanChi bearing
11	Self-made synchronous pulley

4. Additional Technical Parameters:

Cutting length	Electronic wire: 15-1400 mm
Output	Electronic wire 100 mm: 5000-7000 pcs/hour
Cutting range	Electronic wire 32-16#; 14# can process 2-3 wires
Stripping length	8 mm-11.5 mm
Tinning length	Standard range 0.5 mm-10.5 mm (adjustable)
Twisting length	2 mm-10.5 mm (adjustable)
Applicable wire	Electronic wire, high-temperature wire, Teflon wire, etc.
Twisting method	Digital operation (motor-driven)
Detection function	Missing wire detection, wire knot detection, air pressure detection
Air pressure	Approx. 6 kg
Transmission structure	Precision lead screw, linear guide, reducer
Weight	380 kg
Overall dimensions	L2900 × W750 × H1500 mm (The stated length excludes the straightener. The length of the dual-parallel wire fork straightener is approx. 1.5 m, and the length of the 10-wire electronic wire support straightener is approx. 1.8 m.)