SOUTHERN MACHINERY

Wire Processing Equipment Catalog

Professional Wire Harness Processing Solutions

High Precision | Stable & Durable | Wide Compatbiliity | Customized Solutions







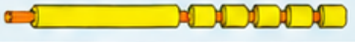
Cable Processing Capabilities

Comprehensive cable processing solutions and sample results

Processing Overview

- Broad processing coverage, from cutting and stripping to crimping, marking and more.
- Clear and intuitive sample display for each processing type.
- Suitable for different cable types, including single-core, multi-core, coaxial, flat cable and shielded cables.



PROCESS	CABLE EXAMPLE
Cutting	
Cut pulled strands / Precision cut	
Full strip	
Half strip	
Coaxial cable	
Window strip	
Crimping	
Hot stamp marking	
Ink-jet marking	
Split cycle	
Sequence	
Seal insertion	
Twisting / Tinning	
Ferrule crimping	
MIL-Crimping	
Cut pulled strands / Precision cut	
Multiple strip	
Flat cable	
Multi conductor cable	
Inner conductor processing	
Double sheath cables	
Sequence	

SOUTHERN MACHINERY

S-02

Auto Double Ends Crimping Machine

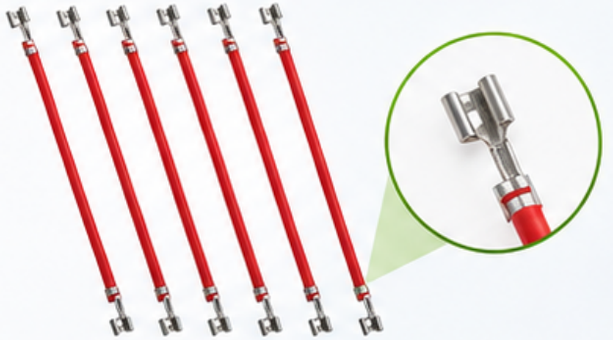
Efficient and reliable solution for automatic wire cutting, stripping, and double-end terminal crimping.



Features

- Programmable length
- Half-strip available
- KINCO 7 inch operating touch screen
- SMC cylinder
- Single chip microcomputer control system
- Servo: MITSUBISHI
- Taiwan Hi-win linear guider & PHT reduction box
- KEYENCE & Omron detector
- Back crimp suited for OTP side feeding or back feeding applicator

Product Result



Technical Parameters

Model	S-02 Auto Double Ends Crimping Machine	**Crimping force**	19600 N (2T)
Function	Cut, full strip, half-strip, double ends crimping	**Control mode**	32-bit computer system
Production rate	0.7 s/pc for AWG18-AWG30, wire length 40 mm	**Detector**	Non-wire, crimp abnormal, air lower, wire knot
Speed	Up to 40 m/min	**Power**	AC220V 50/60Hz
Cutting length	40-9999 mm	**Air supply**	0.5-0.7 MPa
Cutting precision	±0.5 mm for length under 100 mm; ±1.0 mm for length over 100 mm	**Working temperature**	15°-30°C
Stripping length	Side 1: 0.1-9.0 mm; Side 2: 1.0-9.0 mm; half-strip length 3.0-9.0 mm	**Size**	L1000 x W700 x H1550 mm
		Weight	About 460 kg

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RZ-208

Auto Double Ends Tinning Machine

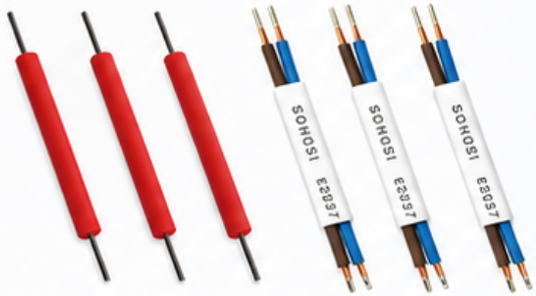
Efficient and reliable solution for automatic wire cutting, stripping, twisting, and double-end tinning.



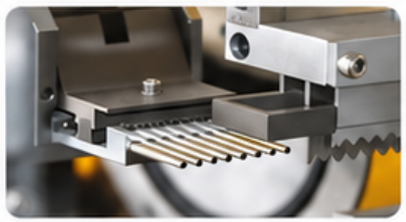
Features

- Programmable length
- KINCO 7 inch operating touch screen
- SMC cylinder
- Omron Temperature Controller
- Servo: MITSUBISHI
- Taiwan Hi-win linear guider & ball screw
- SMC air detector

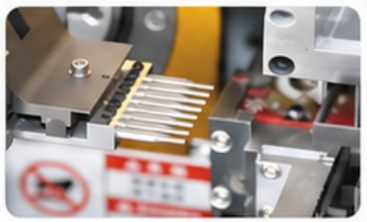
Product Sample



Processing Details







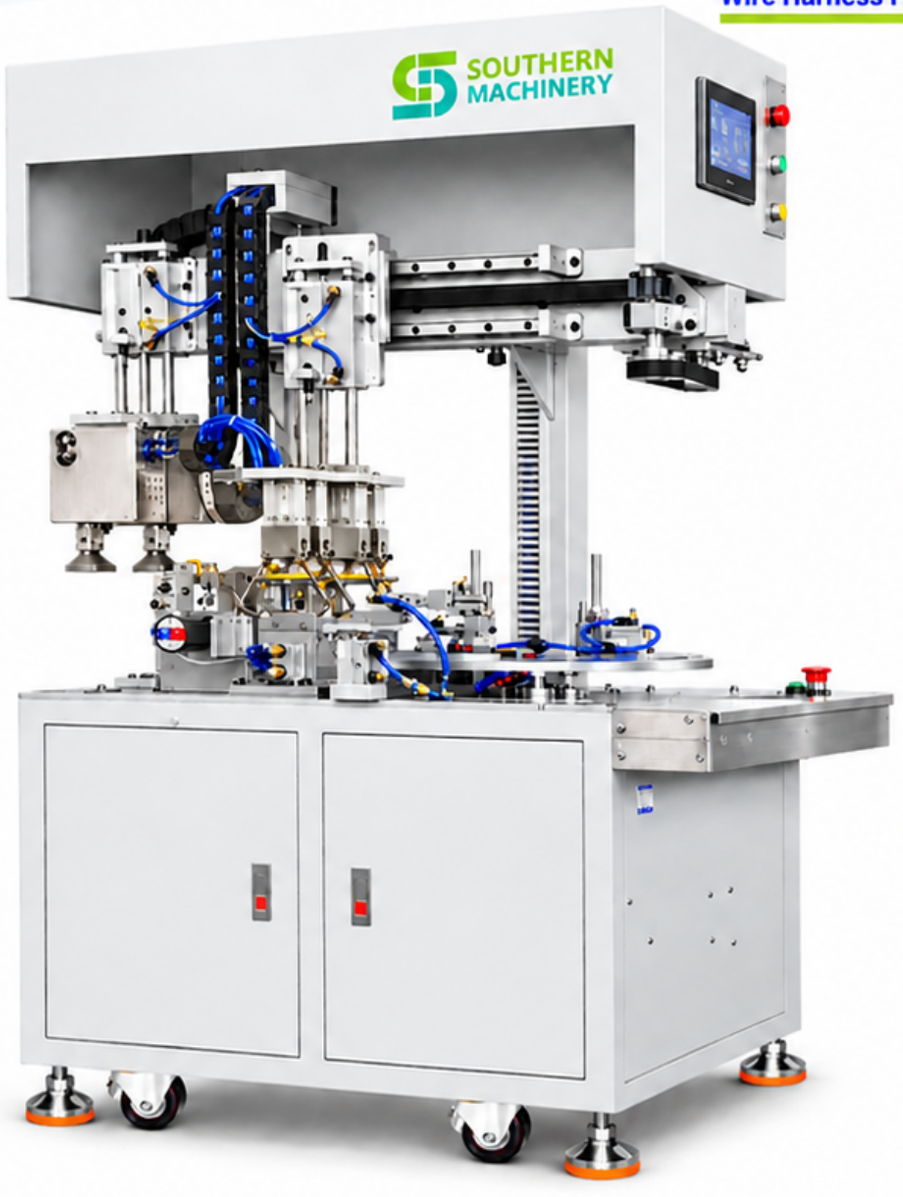
Technical Parameters

Model	RZ-208 Auto Double Ends Tinning Machine	**Stripping length**	0–7 mm (longer length can be customized)
Function	Cut, both ends strip, both ends tinning	**Twist length**	3–14 mm
Production rate	AWG#20–AWG#32: 6400–10000 pcs/hour AWG#16–AWG#20: 2700–4000 pcs/hour	**Tinning length**	0.5–7 mm
Applicable wire	AWG#24–AWG#18, AWG#24–AWG#32	**Air supply**	0.5–0.7 MPa
Cutting length	10–600 mm (minimum can be modified to 8 mm)	**Size**	L1210 × W770 × H1370 mm
Cut tolerance	0.2 ± 0.02 × L	**Weight**	About 400 kg

S-2800

Automatic Cable Winding Ties Machine

(Double Wire Ties)











Features

- Suitable for: Various sort of power cords, cables, electronic wires, etc. that requires winding and tying.
- The machine sets the automatic winding, not only greatly improves the production efficiency but also saves labor.
- Stable performance, easy to operate, easy to adjust, energy saving, silent operation, environmental protection.
- Built-in circuit setup with signal monitoring indicators. Fault alarm at a glance. Easy troubleshooting.

Product Example



Technical Parameters

Model	S-2800 Automatic Cable Winding Ties Machine (Double Wire Ties)	
Power Supply	AC 220 V /50 Hz	AC 220 V 50/60 Hz
Production Capacity	1,000 – 1,700 Pcs/hour	1,000 – 1,700 Pcs/hour
Air Pressure	0.5 – 0.8 MPa	0.5 – 0.8 MPa
Twist Line Spacing	60 – 250 mm	60 – 250 mm (adjustable)
Winding Speed	0 – 9 (adjustable)	1 – 9 (adjustable)
Cable Tie	Adjustable	Adjustable
Winding Length	Adjustable	Adjustable

S-240

NC Six Party Free Mould Changing Terminal Machine

High-efficiency and flexible crimping solution for large square tubular terminals.



Features

- Mainly for crimping large square tubular terminals.
- Industrial-level ControlChip with high-precision servo drive, ensuring stable and reliable operation.
- PLC control system, instantly change the crimp range for different terminals via a touch screen.
- The press fitting can be completely opened, suitable for intermediate or large square terminal crimping.

Application Examples



Technical Parameters

Model	S-240 NC Six Party Free Mould Changing Terminal Machine	Crimping Force	240 kN
Crimping Range	Six-party crimping of large square tubular terminals	Size	L620 × W520 × H480 mm
Power	750 W	Power Supply	AC220 V
Voltage	220 V	Air Supply	0.5 – 0.6 MPa
Control System	PLC Control System	Weight	About 200 kg

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S-303X

Tape Winding Machine

Efficient and flexible tape wrapping solution for wire harness processing.



Features

- **Full wrapping:** tape overlaps and wraps the entire wire harness, with adjustable overlap ratio such as 1/2, 1/3, or 1/4.
- **Spot wrapping:** tape wraps a selected point of the wire harness by a set number of turns; one turn, two turns, or more can be set.
- **Interval wrapping:** tape wraps the wire harness without overlap and leaves an adjustable distance between wrapping sections.

Wrapping Modes

Full Wrapping



Continuous wrapping with overlap (e.g., 1/2, 1/3, or 1/4).

Spot Wrapping



Wraps a selected point by a set number of turns.

Interval Wrapping



Wraps without overlap and leaves an adjustable distance between sections.

Technical Parameters

Model	S-303X Tape Winding Machine
Machine Size	W560 × H500 × L350 mm
Applicable Max Wire Diameter	Φ30 mm
Applicable Tape	Cloth tape, acetate tape, electrical tape
Tape Width	5–25 mm (other sizes can be customized)
Tape Core Inner Diameter	Φ76 mm / Φ37 mm, standard configuration with Φ37 mm; other sizes available upon request
Winding Length	Unlimited
Voltage	220V / 110V
Weight	45 kg

S-350

Computer Stripping Machine

(Highly Efficient Multi-function)

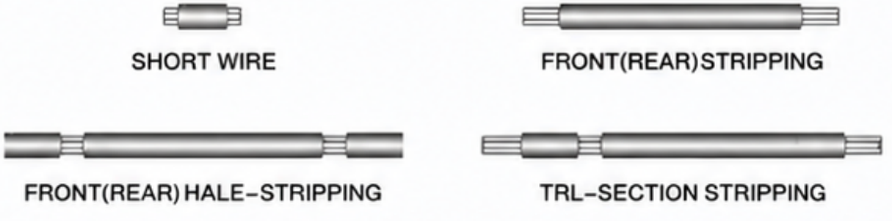
A high-precision, high-speed, multi-functional wire processing machine for diversified wires.



Features

- High precision, high speed and multi-function.
- Suitable for electronic wire, silicone rubber wire, teflon wire, glass fiber cotton, segregation wire, etc.
- Full automatic cutting, stripping, half-stripping, middle stripping and twisting.
- Applicable for diversified wire sizes.

Stripping Method



Application Examples



Technical Parameters

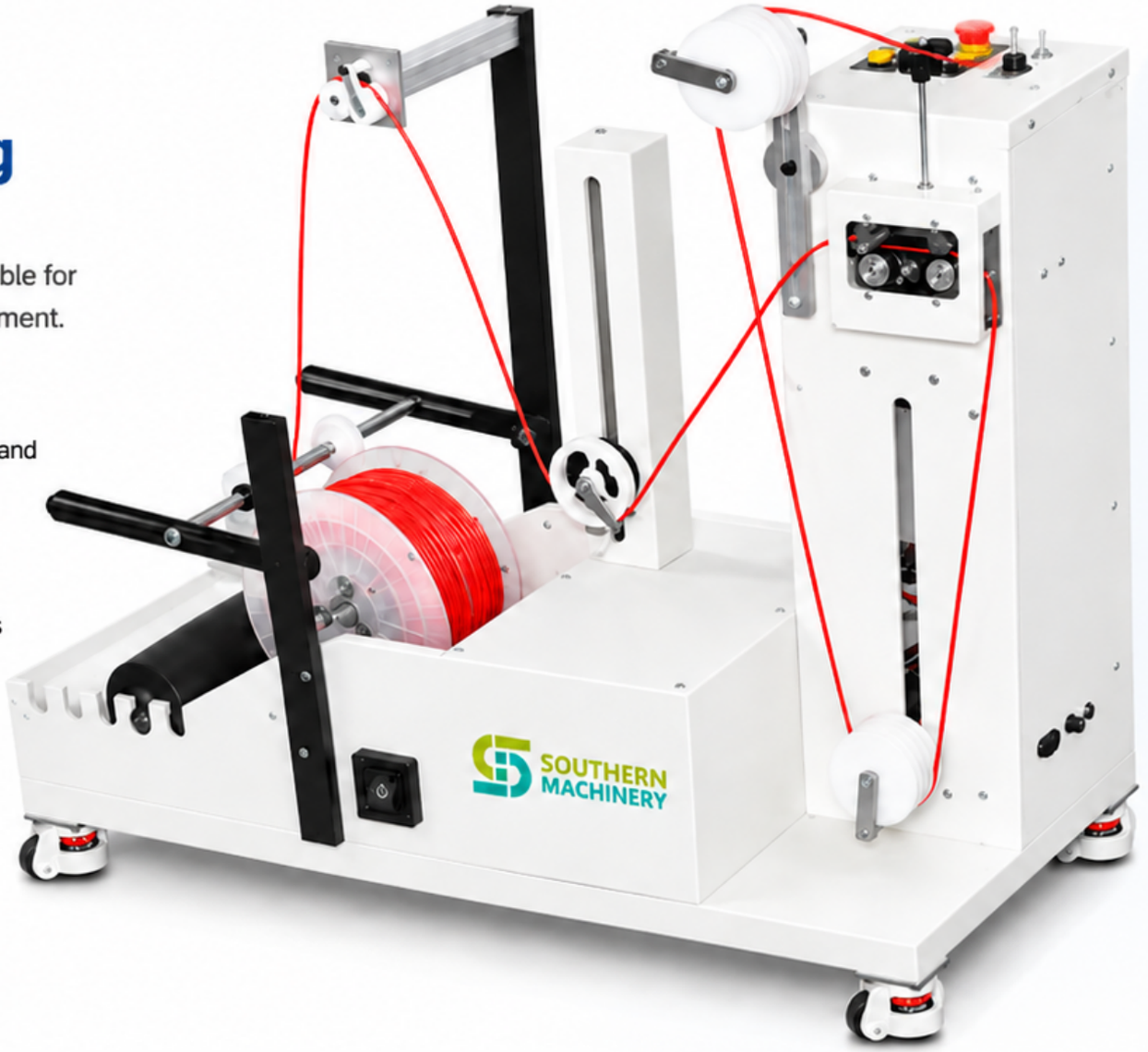
Model	S-350
Wire Range	Electronic wire, silicone rubber wire, teflon wire, glass fiber cotton, segregation wire, etc.
Stripping Length	Front end: 0.1–9999.9 mm Rear end: 0.1–9999.9 mm
Cutting Length	0.1–99999.9 mm
Stripping Method	Full stripping, half stripping, middle stripping, section stripping and twisting

Speed	High efficiency (variable, up to 9,000 pcs/h)
Accuracy	±0.1 mm
Power Supply	AC 220 V 50/60 Hz
Power	750 W
Dimensions	L530 × W470 × H430 mm
Weight	58 kg

S-940

Automatic Wire Feeding Machine

Automatic wire unwinding and feeding equipment, suitable for cable cutting, stripping and other wire processing equipment.

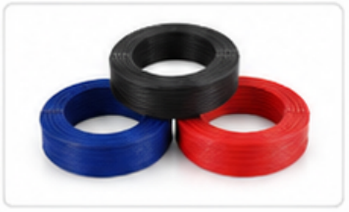


Features

- Automatic wire unwinding and constant feeding, with stable and reliable operation.
- Large load capacity: supports wire reels up to 100 kg.
- Stepless speed control, easy to match with different wire processing equipment.
- Improves automation level and production efficiency, reduces manual labor.

Application Examples





Technical Parameters

Model	S-940 Automatic Wire Feeding Machine
Maximum Power	3M / Sec
Wire Feeding Mode	Reel Feeding
Diameter of Wire Reel	300 – 700 mm
Width of Wire Reel	450 mm
Weight of Wire Reel (Max.)	100 kg
Dimensions	450 × 440 × 780 mm
Weight	50 kg
Power Supply	AC 220 V, 50/60 Hz

S-9600D/9650

Coaxial Wire Stripping Machine

High-precision multi-layer stripping for coaxial, semi-flexible and other special single-core wires.



Features

- Suitable for antenna semi-flexible and flexible coaxial wire and other special single-core wires.
- Advanced rotary cutter and movable blade holder, process different cables without changing extra blades, with high efficiency and quality.
- Special center positioning and wire feeding device for higher accuracy, meeting high standard requirements in the communication industry.
- 100 sets of memory capacity, all processing data can be stored and recalled when needed.

Application Examples



Technical Parameters

Model	S-9600D	S-9650
Stripping Range	1.37 – 5.5 mm (customizable to 12 mm)	1.37 – 10 mm
Stripping Length	Front end: 60 mm Rear end: 35 mm A side 60 mm B side 35 mm	Front end: 60 mm Rear end: 35 mm A side 60 mm B side 35 mm
Minimum Number of Stripping Length	45 mm	45 mm
Cutting Depth Units	0.01 mm	0.01 mm
Maximum Number of Stripping Layers	6 layers	9 layers
Blades	Rotary blades: 2 pcs Cutting blades: 4 pcs	Rotary blades: 2 pcs Cutting blades: 4 pcs
Power Supply	220 V 50/60 Hz	220 V 50/60 Hz
Productivity	300 – 600 pcs/h	300 – 500 pcs/h
Weight	102 kg	102 kg
Dimensions	970 × 770 × 560 mm	970 × 770 × 560 mm

S-950 / 1200 / 1500

High Speed Full Automatic Cutting & Stripping Machine

High-precision, high-efficiency automatic cutting and stripping for various wires and cables.



Features

- High-speed automatic cutting, with full stripping, both-ends stripping, single-end stripping and half stripping.
- **Servo motor control for cutting and stripping, ensuring** higher length accuracy.
- **Length conversion and full/half stripping via buttons, simple and fast.**
- **Fine-tuning rotary stripping and cutting for stable, accurate and efficient processing.**
- Speed can be divided into 9 sections according to wire specifications, ensuring stable production for thick or thin wires.
- Detects low air pressure, cylinder and motor abnormalities, and inconsistencies; automatically stops, displays the fault and quickly locates the issue.
- Supports USB, AC, RGB, 1394, DC power wires, and more.
- 1500 mm, 2000 mm, 2600 mm, 3100 mm wires can be cut and stripped at one time, convenient and efficient.

Processing Details



Technical Parameters

Model	S-950	S-1200	S-1500
Machine Size	W1700 × D750 × H1500 mm	W2300 × D780 × H1650 mm	W3100 × D780 × H1650 mm
Weight	400 kg	480 kg	600 kg
Power	1.0 kW	1.5 kW	2.2 kW
Power Supply	AC 200 V / 380 V	AC 200 V / 380 V	AC 200 V / 380 V
Stripping Length	3 – 100 mm	3 – 30 mm (customizable over 30 mm)	3 – 30 mm (customizable over 30 mm)
Cutting Length	42 – 99,999 mm	42 – 100,000 mm	42 – 100,000 mm
Operation Mode	Single stroke and continuously working		
Cutting Wire Type	Ø 1.0 – Ø 8.5 mm		
Cutting Capability	AWG#10 – AWG#28; flat cable	USB, AC, RGB, 1394, DC, PVC wires, etc.	

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Wire Harness Processing Equipment Solutions

S-2.0D / 4.0D / 6.0D / 8.0D / 10D

Ultra Mute Terminal Machine

High-precision, low-noise crimping for a wide range of terminals and connectors.



Features

- High rigidity and stable structure, ensuring precise and reliable crimping.
- Compatible with a variety of dies, such as 2000 die, OTP die, European die, Korean die, square die, hexagonal die, etc.
- Frequency conversion speed control, with high accuracy, low noise, low power consumption and high efficiency.
- Special dies can be customized according to the processing requirements, with wide applicability.

Application Examples



Applicable Dies (Optional)



OTP Dinet Terminal Die



2000# Terminal Die



Four-point and Six-point Pressing Die



Four-sided Pressure-free Die



25 mm Hexagonal Die (Replacement Die)



120 mm Hexagonal Die (Replacement Die)



Square Quadrilateral Die (Replacement Die)

Technical Parameters

Model	S-2.0D	S-4.0D	S-6.0D	S-8.0D	S-10D
Pressing Force	2.0 T	4.0 T	6.0 T	8.0 T	10 T
Working Power	AC220V 50Hz	AC220V 50Hz	AC220V 50Hz	AC220V 50Hz	AC220V / 380V 50Hz
Motor Power	0.75 kW	1.5 kW	2.2 kW	3.0 kW	4.0 kW
Frequency Converter	0.75 kW 220V	3.0 kW 220V	3.7 kW 220V	5.5 kW 220V	7.5 kW 380V
Slider Stroke	30 mm / 40 mm	30 mm / 40 mm	30 mm / 40 mm	30 mm / 40 mm	30 mm / 40 mm
Weight	85 kg	122 kg	210 kg	235 kg	252 kg
Machine Size (L × W × H)	L300 × W380 × H650 mm	L350 × W450 × H750 mm	L350 × W450 × H750 mm	L370 × W530 × H850 mm	L400 × W530 × H870 mm

S-12

Corrugated Tube Cutting Machine

Automatic cutting of round plastic tubes and corrugated tubes with high efficiency and precision.



Features

- Designed to cut round plastic tubes and corrugated tubes.
- Tube peak parting function optional.
- Integrated circuit design for easy maintenance and simple operation.
- Cutting range of 4–32 mm without the need to change knives.
- Compared with manual cutting, this machine greatly improves working efficiency.

Application Examples



Technical Parameters

Model	S-12 Corrugated Tube Cutting Machine
Control System	PLC Touch Screen
Cutting Mode	Motor Cutting
Cutting Tolerance	±0.1 mm
Cutting Tube Size Range	4 - 32 mm
Cutting Length	5 - 9999 mm

S-16 /25

Fully Automatic Stripping and Bending Machine (16-25MM)

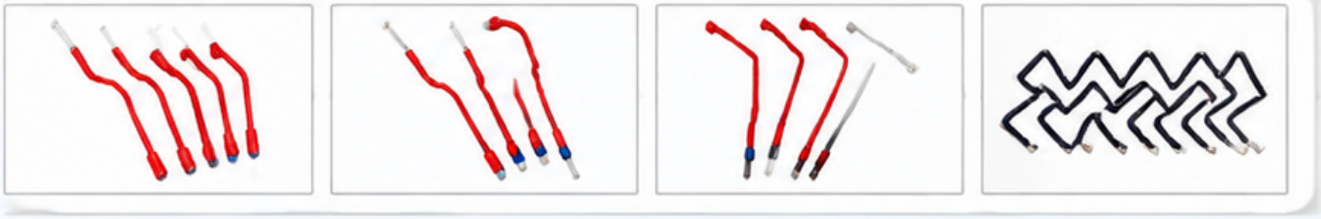
High-precision, high-efficiency automatic stripping and bending for 16-25mm² wires.



Features

- High-precision, high-efficiency automatic stripping and bending, suitable for 16-25mm² wires.
- PLC control system, touch screen operation, intelligent and easy to use.
- Servo motor drive, stable performance, high processing accuracy.
- Automatic feeding, stripping and bending, all-in-one process, improve production efficiency.
- Multiple bending forms (90°, 180°, multi-angle), meet different harness requierments.
- Suitable for automotive wiring harness, electric power, distribution box, battery box and other industries.

Application Examples



Technical Parameters

Model	S-16	S-25
Function	Stripping and bending	Stripping and bending
Machine size	L530×W420×H370mm	L630×W420×H370mm
Weight	38 KG	38 KG
Power	0.1-16平方	0.1-25平方
Cutting core	0.1-16平方	0.1-25平方
Capacity	200-800条/h（视线材而定）	200-800条/h（视线材而定）
Cutting length	0.1mm-99999.9mm	0.1mm-99999.9mm
Bending times	13处	13处
Stripping Length	剥线0.1-50mm 剥尾0.1-20mm	剥线0.1-50mm 剥尾0.1-20mm
Motor accuracy	无声混合式步进电机每步0.1mm	无声混合式步进电机每步0.1mm
Motor function	自动进线、自动进线、定时启动	自动进线、自动进线、定时启动
Driving mode	四轮	四轮
Cutting tool materials	进口钨钢 / 高速钢	进口钨钢 / 高速钢

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S-40 Copper Strap Machine

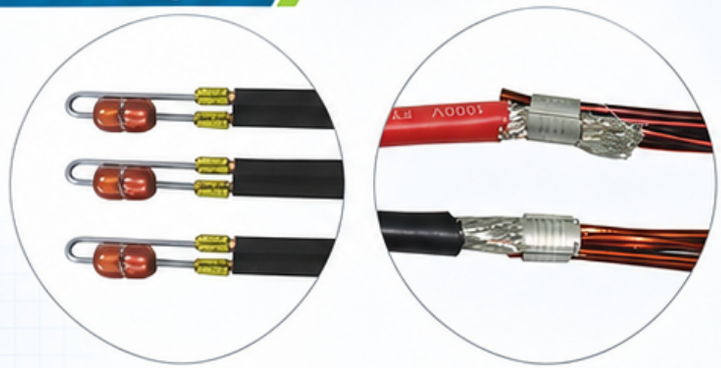
High-efficiency copper strap riveting machine for fast, stable and cost-saving connection processing.

Features

- Designed for specific riveting processing wire applications
- Fast speed and good quality
- Crimped connected wires can replace traditional soldering, cold welding, air welding and air-pollution-prone methods
- Meets relevant safety specification requirements
- Uses special continuous copper terminal materials with cutting, forming and pressing completed in one step
- Quick operation with reduced waste and lower cost
- Copper terminal processed with a special texture for strong riveting and stable quality
- Available with straight and curved mold seats for different products
- Humanized design, easy to operate, no special training required



Product Sample



Copper Strap Specifications

2 mm – 12 mm
(Typical Application Sizes)

Technical Parameters

Model	S-40 Copper Strap Machine
Power supply	AC 220V 50/60Hz
Horse power	1500W
Stroke strength	3000 kg
Weight	92 kg
Specifications	2 mm, 4 mm, 6 mm, 8 mm, 10 mm, 12 mm
Dimension	600 L × 340 W × 550 H (mm)

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Wire Harness Processing Equipment Solutions

S-68A

Nylon Tie Binding Machine

Automatic nylon tie binding for wire harnesses, fast, stable and highly efficient.

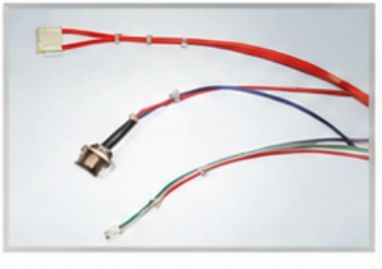
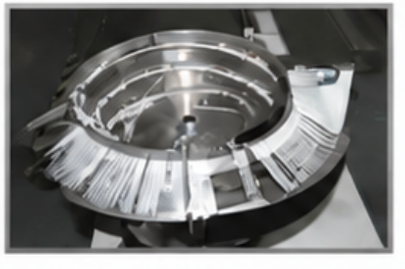


Features

- PLC touch screen control circuit, easy to operate and with good stability.
- Bulk nylon strap feeding, realizing automatic feeding and eliminating tedious manual work.
- Automatically wear and cut the tie belt, up to 1,500 pieces per hour (depending on product), saving time and labor and greatly improving work efficiency.
- Digital adjustment on touch screen for loosening and tightening, with tail locking function, no pneumatic system required.

Application Examples




Technical Parameters

Model	**S-68A**
Applicable Tie Type	Nylon cable tie (standard type)
Binding Diameter	ϕ5 – ϕ50 mm (adjustable)
Binding Speed	Up to 1,500 pcs / h (depending on the product)
Control System	PLC + Touch Screen

S-70

Square Computer Wire Stripping Machine

High-precision automatic cutting and stripping for square wiring and multi-core cables.



Features

- Suitable for cutting and stripping square wires, flat cables, and multi-core wires.
- Computer control, high precision and stable performance.
- Simple touch screen operation, easy to set and use.
- High efficiency, up to 3000 pcs/h.

Application Examples





Technical Parameters

Model	S-70 Square Computer Wire Stripping Machine
Wire Head	0 – 150 mm
Wire End	0 – 100 mm
Available Wire Size	2 – 75 mm^2 (0 – 18 mm)
Cutting Length	0.1 – 99999 mm
Tolerance	< 0.002 × L
Speed	3000 pcs/h

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S-C2000

Waterproof stopper for peeling and finishing

Integrated solution for waterproof stopper insertion, wire stripping and terminal finishing with stable, efficient and precise processing.



Features

- Integrated waterproof stopper insertion, stripping and terminal finishing process
- Programmable stripping length
- KINCO 7 inch operating touch screen
- SMC cylinder
- Omron temperature controller
- Servo: MITSUBISHI
- Taiwan Hi-win linear guider and ball screw
- SMC air detector
- Adjustable waterproof stopper insertion depth
- Stable structure, easy operation and reliable performance

Product Sample



Product Advantages

- Integrates waterproof stopper insertion, stripping and crimping into one continuous process
- Parameter memory and independent functional adjustment
- Accurate stripping length and insertion depth control
- Efficient servo-driven crimping with stable pressure
- Easy-change waterproof stopper feeding structure for diverse products

Technical Parameters

Model	S-C2000 Waterproof stopper for peeling and finishing	**Cutting / Positioning Accuracy**	±0.02 mm
Power Supply	AC200V 50Hz	**Crimping Capacity**	3T
Air Source	0.5-0.7 MPa	**Travel**	40 mm
Body Size	L850 x W880 x H1300 mm	**Cycle Time**	3 s
Total Weight	300 kg	**Capacity**	1000-1200 pcs/h
Applicable Wire Diameter	0.2-2.5 mm²	**Waterproof Stopper Size**	≤ ϕ10 x 10
Stripping Length	0-10.0 mm		

SOUTHERN MACHINERY

CRIMPING MOULD SERIES

High Precision | Stable & Durable | Wide Compatiblity

Different Kinds of Terminal Mold and Blades

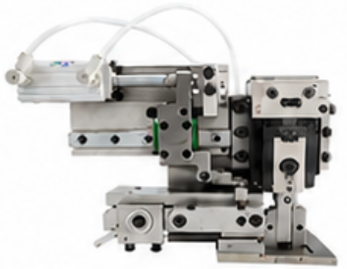
Features

- Complete range, covering a variety of terminal crimping molds and blades.
- High precision, stable performance and long service life.
- Wide compatibility, suitable for different wire processing machines and terminals.

Applications





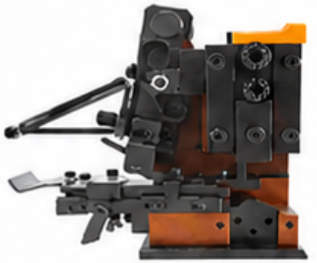
4E-40 Pneumatic Crimping Mould



45-30 Pneumatic Crimping Mould



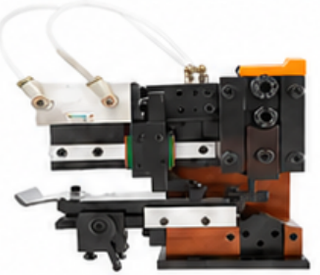
4TS Precision Crimping Mould



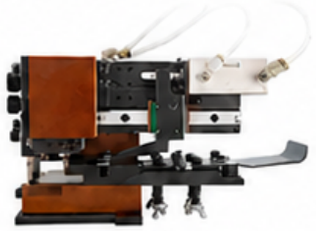
OTP Precision Crimping Mould



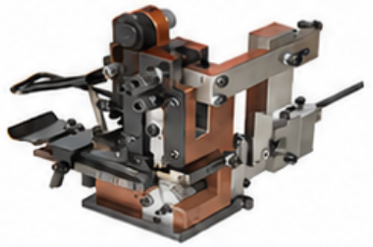
OTP Precision Vertical Mould



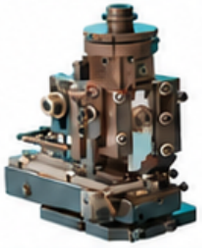
OTP Pneumatic Precision Mould



OTP Pneumatic Precision Mould



Pin Crimping Mould



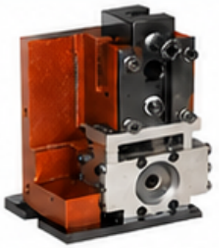
Flag Terminal Mould



OTP European Type Mould



2000 Crimping Mould



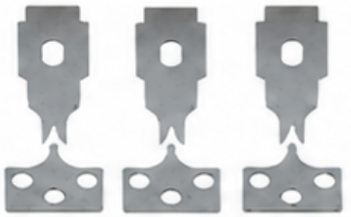
Steel Belt Pressing Mould



Four/Six-Point Crimping Mould

Different Kinds of Terminal Mold and Blades

Cutting Blade & Accessories



OTP / 800 Type Blade



220 Cable Cutting Blade



Copper Belt Machine Cutade Set



Wire Cutting Machine Blade



3F Stripping Machine Blade



187 / 250 Terminal Cutting Blade

STEEL BLADE SERIES



SOUTHERN MACHINERY

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