Hook Loop Bending Machine for Metal Wires 1-6mm | JINGWEI JW-ST02

Model No. JW-ST02



SPECIFICATIONS

Wire Size Range	1-6 square (mm)
Bending Capability	U shape, round shape, arcs, semi-circular arcs
Operation	One-time forming
Control	Touch switch with mathematics display
Power System	Air pressure valve with pressure gauge
Material Compatibility	Various wires, iron wires, metal wires
Application	Hardware and wire industry processing

The JW-ST02 forms hooks, U shapes, full rounds, arcs and semi-circular arcs from 1-6 mm2 metal wire in a single cycle. The forming head is air-driven, the bend data is entered on the touchscreen, and working pressure is set on the valve and gauge at the side of the machine.

Hand bending over a pin jig gives a different radius every time and usually needs a second operation to close the loop. Here the pneumatic head forms the wire round the die in one stroke and the part comes out finished; because the bend data is entered as numbers on the touchscreen, the next batch is set from the same values instead of from a sample held up to the light.

It bends only: it does not cut, strip or straighten, which separates it from the JW-ST03 stripping machine and the CT01 wire-rope cutter. Within the range it is the unit for ear loops, S-hooks and wire handles rather than for preparing conductor ends.

Key Features

1. 1-6 mm2 wire range, covering iron wire and non-ferrous wire used in hardware parts.

2. U shape, round, arc and semi-circular arc formed in one cycle, with no secondary closing pass.

3. Touchscreen with numeric entry for bend parameters, so repeat jobs are recalled rather than re-set by trial.

4. Pneumatic forming head with pressure valve and gauge, setting force to the wire gauge instead of to the operator's arm.

5. Red emergency stop on the top panel and adjustable feet for levelling on an uneven bench.

6. Die block recessed behind a brushed stainless front panel, so the wire is fed at table height and the formed part drops clear.

Technical Specifications

Parameter	Specification
Model	JW-ST02
Machine type	Pneumatic hook and loop bending machine
Wire size range	1-6 mm2
Bending capability	U shape, round shape, arcs, semi-circular arcs
Operation	One-time forming
Control	Touch switch with numeric display
Power system	Air pressure valve with pressure gauge
Material compatibility	Iron wire, metal wire, various wires

Applications

— Hardware plants: S-hooks and ear loops from iron wire, formed in one cycle.

— Display and shelving: wire hooks and U-brackets for pegboard and rack systems.

— Wire basket and trolley production: handles and rim loops bent on the pneumatic head.

— Garden and fencing: loop ends and arc sections on coated wire.

— Garment accessories: hook-and-loop wire parts for hangers and display stands.

Automatic looping machine

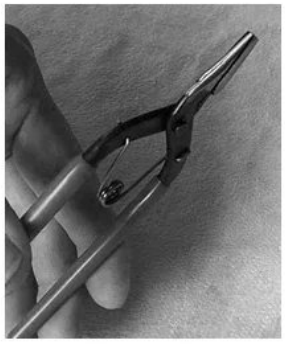
Safe, precise and efficient

The looping machine is used for bending arcs and semi-circular arcs of various wires, iron wires, and metal wires. It is one of the special equipment for the processing and production of hardware and wire industries.

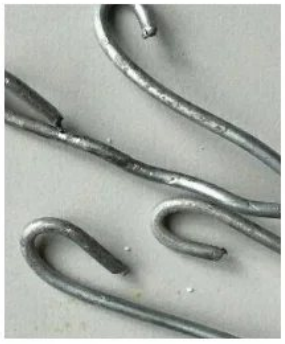


Have you encountered these problems?

Manual bending machine, hard to work



Manual bending efficiency is low



The finished product is not standard



Delayed construction schedule

The automatic looping machine is all done!

Loop effect lever



Four characteristics trustworthy

Reasonable bending mechanism design and flexible action

Inner diameter 4-6mm, high production efficiency and accurate size

Manual unwinding, one-time automatic bending forming

Powerful, can be bent into U shape and round shape

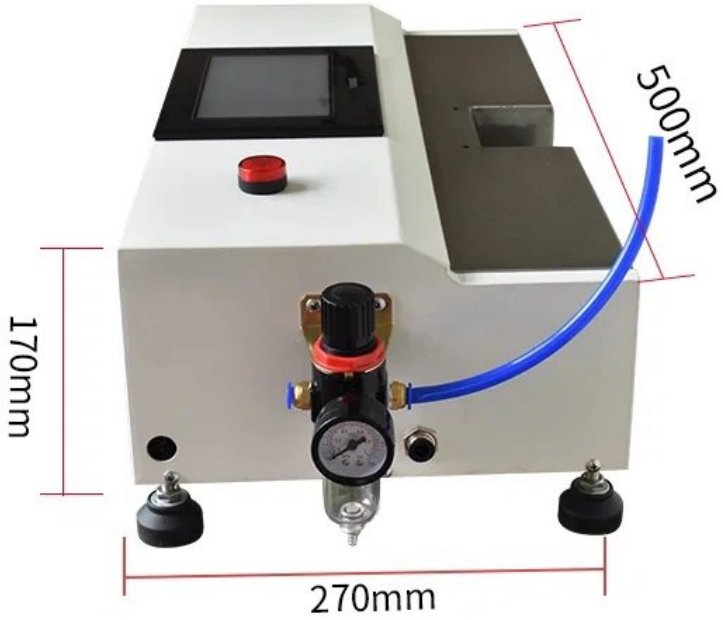








Product parameter



product name	Automatic looping machine
Circle diameter	5mm/6mm/8mm arbitrary adjustment
Wire size	1 square-6 square
Forming structure	Pneumatic perfect combination
Length*width*height	500*270*170mm
weight	15kg

Processing sample display

The looping machine is used for bending arcs and semi-circular arcs of various wires, iron wires, and metal wires. It is one of the special equipment for the processing and production of hardware and wire industries.









Product distails



Touch screen

Touch switch to adjust parameters arbitrarily, mathematics display, save time, facilitate management and improve production efficiency

Bending mechanism

Reasonable design of bending mechanism and flexible action





Air pressure valve

The air pressure valve is equipped with high-quality pressure gauge and beautiful appearance

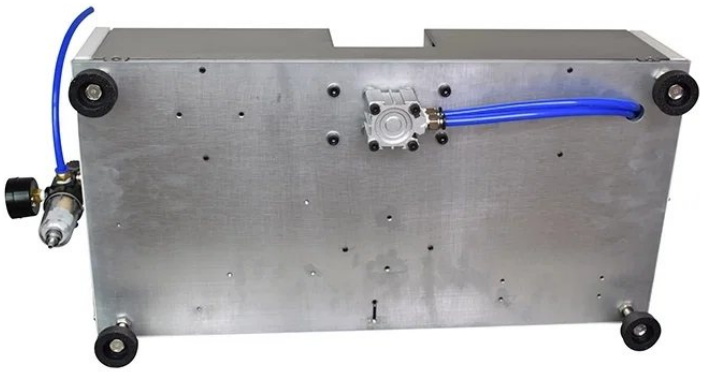
Product spotlight











Product acessories



Fixture



trachea



Foot pedal



power cable

FAQ

What wire diameters and shapes can the JINGWEI Hook Loop Bending Machine handle?

The JINGWEI Hook Loop Bending Machine is designed to process metal wires from 1mm to 6mm in diameter. It specializes in forming high-accuracy arcs and U-shapes in a single bending cycle, making it ideal for creating hooks, loops, and semi-circular components used in hardware, furniture, and various wire-based products.

How does this machine improve production efficiency for wire processing?

This machine significantly boosts efficiency by completing complex arcs and U-shapes in one continuous cycle, eliminating the need for multiple manual operations or secondary processing. Its automated pneumatic system ensures consistent, high-speed bending with minimal operator intervention, while the user-friendly touchscreen controls allow for quick setup and changeovers, maximizing throughput for hardware and wire production lines.

What are the key features of the control system on this bending machine?

The machine features an intuitive touchscreen control panel that allows operators to easily program bend angles, loop dimensions, and production counts. This digital interface ensures precise repeatability, stores settings for different jobs, and simplifies operation, reducing training time and minimizing human error for consistent, high-quality output.

Is the JINGWEI bender suitable for industrial-scale manufacturing?

Yes, the JINGWEI Hook Loop Bending Machine is built for industrial-scale hardware wire processing. Its robust construction, coupled with a reliable pneumatic system, ensures durability and continuous operation in demanding environments. The combination of high accuracy, single-cycle bending, and automated features makes it a productive asset for manufacturers looking to scale up production of wire forms, hooks, and related components.

What types of materials or industries is this wire looping bender best suited for?

This machine is ideal for bending low to medium-carbon steel wires, stainless steel wires, and other ductile metal wires commonly used in the hardware, furniture, automotive, construction, and appliance industries. It is perfectly suited for manufacturers producing items like wire hooks, hanging loops, U-bolts, semi-circular handles, and any component requiring precise arc or U-shaped bends from 1-6mm wire.