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CONNUC Steel wire bending & forming machines

We supply various steel wire forming and bending machine for steel wire metal products like: cloth hanger, key chain, metal hook, metal ring, metal buckles etc.

Machine 1: CNC automatic steel wire forming/bending machine

Automatic steel wire forming machine, also called steel wire bending machine, mainly used to bend metal wire or metal strip to form various 2D or 3D shapes.

There are two models: Cam Type and Hydraulic Type.

Cam Type Bending Machine, high speed, high efficiency, are mainly used to bend small diameter steel wire and thinner steel strip into various simple shape.

Hydraulic Type Bending Machine can bend steel wire and strip into any kind of shape, especially suitable for the big diameter wire and big thickness strip into various two-dimensional (2D) or three-dimensional (3D) sophisticated shape.

The whole production process is finished automatically, can also be equipped with hole-punching function.

Widely used for decorations, light fittings, hand crafts, various of hardware manufacturing and other industries, such as hanger hooks, key chains, refrigerator rack, stainless steel fruit baskets, and other metal wire and strip forming and bending.

Technical specifications:

Equipment Name	Model No.	Wire Diameter	Cross-Sectional Area	Max Machining Length	Production Rate	Power
Cam Type Metal Forming Machine	SWFM3	Φ1-3mm	≤7.0mm ²	180mm	40-90 Pcs/Min	1.1KW
	SWFM 4	Φ1-4mm	≤12.6mm ²	220mm	40-90 Pcs/Min	1.5KW
	SWFM 5	Φ1.5-5mm	≤19.6mm ²	320mm	30-90 Pcs/Min	2.2KW
	SWFM 7	Φ1.5-7mm	≤38.5mm ²	400mm	30-90 Pcs/Min	3.0KW
Hydraulic Type Metal Forming Machine	SWFM 6	Φ1-6mm	≤T2*W20mm	500mm	20-40 Pcs/Min	10KW
	SWFM 8	Φ1-8mm	≤T3*W30mm	1000mm	20-30 Pcs/Min	14KW

Machine photos:



Cam type



Hydraulic type

Machine 2: Automatic hydraulic wheel rim roll forming machine

Also called Rim Making Machine and Rim Profiling Machine, is one kind of metal sheet rolling and forming machine, which is mainly used for producing the wheel rim of automobiles, motorcycles, bicycles, electric cars, rickshaws, children's toy car rims, and so on.

Production process:

1. Automatic Steel Sheet Feeding
2. Steel Sheet Straightening and Flattening
3. Cold forming by multiple rollers.
4. Bending to a basic rim ring
5. Cutting to the setting length by Hydraulic knife
6. Output and Finished

All this whole process is finished automatically, can also be equipped with the hole punching function.

Technical specifications:

Model No.	Steel Sheet Sectional Area	Rim Diameter	Production Rate	Power
CRFM-500	T:0.5-1.8MM W:Customized	Φ100-500MM	15-30M/Min	2.2KW
CRFM-600	T:0.5-1.8MM W:Customized	Φ100-700MM	15-30M/Min	7.5KW

Machine photos:



Machine 3: Automatic wire straightening and cutting machine

The equipment is mainly used for automatic straightening round or flat wire, stainless steel wire, galvanized wire, aluminum wire, copper wire, also cut automatically to setting length.

There are two models: Traditional Mechanical Model and Numerical Control Hydraulic Model.

Traditional Mechanical Model Automatic Wire Straightening and Cutting Machine:

It needs to set the straightening and cutting length manually, then the machine will produce automatically.

Operation and maintenance is simple. It is mainly used for straightening and cutting the wire with diameter less than 10 mm and the maximum cutting length is less than 2 metres.

Numerical Control Hydraulic Model Automatic Wire Straightening and Cutting machine:

It has strong processing performance, almost can work any diameter, any length of wire, high degree of automation, automatically set straightening and cutting length, adopted with the safety device and automatic counting & stop system.

Mainly used for straightening and cutting building cold-rolled steel wire and rebar, hot-rolled steel wire, hot-rolled round steel wire and cold-rolled steel bar etc...

We can produce special kinds of straightening and cutting machine by customer design.

Technical Parameter

Specs/Model	Traditional Mechanical Model				Numerical Control Hydraulic Model		
	CSCA1	CSCA2	CSCA3	CSCA4	CSCA5	CSCA6	CSCA7
Wire Diameter	0.8-2.5mm	2-5 mm	5-9 mm	9-12 mm	4-12 mm	6-14 mm	8-16 mm
Max Cutting Length	0-1000mm	0-2000mm	0-2000mm	0-2000mm	200-30000mm	800-50000mm	800-60000mm
Straightening Speed	15-22m/min	16-24m/min	16-24m/min	16-26m/min	20-50m/min	20-60m/min	20-70m/min
Motor Power	0.55+0.55KW	0.55+1.55KW	1.5+5.5KW	2.2+7.5KW	3+3+10KW	4+4+11KW	5+5+12KW

Machine photo:



Traditional Mechanical Model



Numerical Control Hydraulic Model

Machine 4: Automatic hydraulic steel wire bending machine

The hydraulic steel wire bending machine is specially designed for steel wire bending, it is widely used in electrical household appliances, furnitures, metal steel wire production industries.

It can bend many pieces steel wires into wanted shape at one time.

The machine is high efficiency, low energy consumption, easily intalled and operated, no pollution and save labour.

Beside the standard model, we can also design and produce steel wire bending machine to meet different and special size of wire product.

Technical specifications:

Model No.: CSWB1

The capacity: 3.75kVA;

The max steel wire length: 3200mm or other special wire length;

The min bending size : 170x200mm or other special wire length;

The max bending capacity: 6xdia 5mm or 6xdia 5mm , Q235 steel wire

The max hydraulic pressure: 7Mpa;

The Power: 3 phase, 380-440V, 50/60Hz;

Machine dimensions(LxWxH) : 2150x930x2150mm

Machine photo:



Machine 5: Automatic hole punching and ring forming machine

In addition to the basic function of Ring Forming Machine, this machine also can punch hole with different diameter and different hole distance on the metal flat wire or metal strip at the same time when make the ring automatically.

Production process:

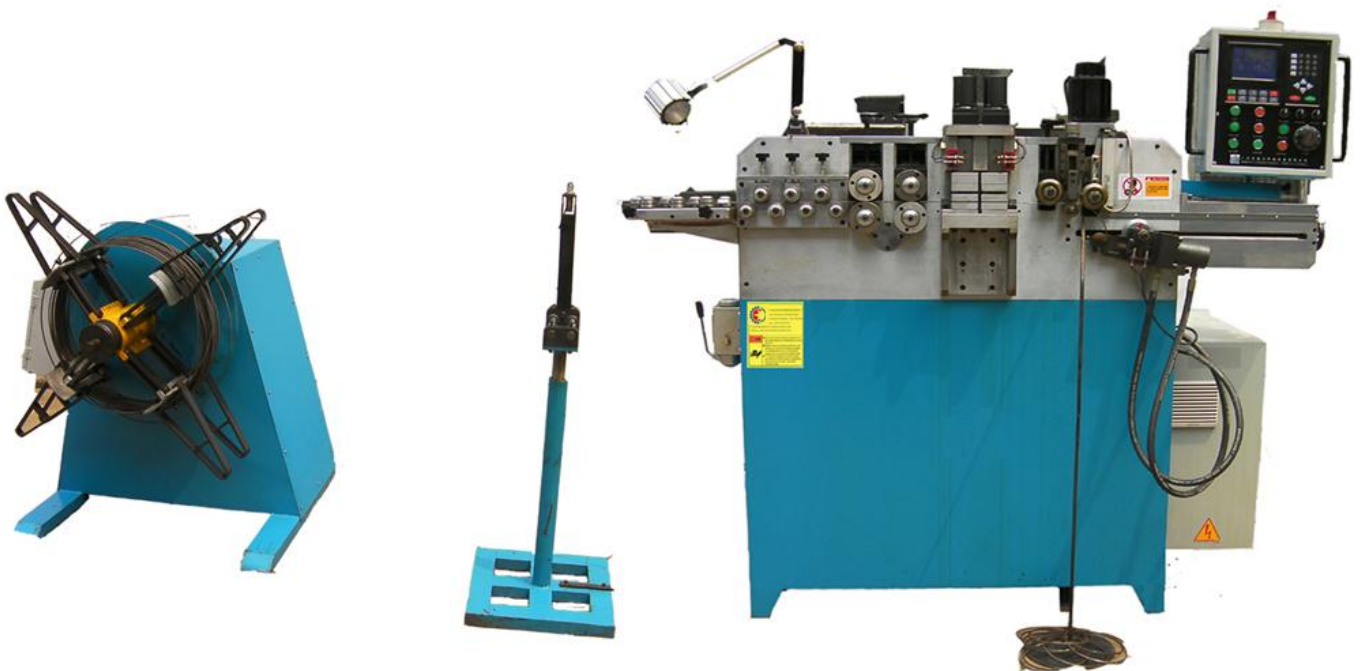
1. Automatic metal flat wire or metal strip feeding
2. Metal Flat wire or metal strip straightening and flatting
3. Automatic hole punching
4. Automatic ring forming
5. Cut the material and finish automatically by setting length

All the producing steps are finished at the same time, efficient and practical, widely used in all kinds of hardware, lighting industry.

Technical specifications:

Model No.	Cross-Sectional Area	Ring Diameter	Production Rate	Power
HPM-12	T:1-2mm W:6-10mm	Φ70-1250mm	10-20pcs/Min	12KW
HPM-15	T:2-3mm W:6-20mm	Φ70-1250mm	10-20pcs/Min	15KW

Machine photo:



Machine 6: Automatic steel wire ring making machine

Automatic steel wire circle forming machine is mainly used for bending the metal wire or metal strip into full circle, semicircle or any angle and any length concentric arcs.

As to the special wire and strip with noncircular cross section, only need to change the feeding roller, adjustable roller, pressing roller, and the cutter.

It is widely used in hardware manufacturing industry.

The fully Automatic CNC ring making machine combines the advantages of related machinery originated in Japan, Europe and Taiwan, it has high production rate, high precision, simple operation, energy saving, low production cost.

The whole process is finished automatically, can also be equipped with hole-punching function.

Main Technical Parameters:

Machine Name	Model No.	Wire Diameter	Ring Diameter	Production Rate	Power
Pneumatic Ring Making Machine	CWR-A	Φ1-2mm	Φ10-70mm	70pcs/Min	2.2KW
	CWR-B	Φ1-4mm	Φ10-60mm	110pcs/Min	2.2KW
Hydraulic Ring Making Machine	CWR-C	Φ1.5-8mm	Φ40-800mm	35pcs/Min	2.2KW
	CWR-D	Φ3-10mm	Φ80-800mm	35pcs/Min	4.0KW

Machine photo:



Machine 7: Automatic steel pipe hydraulic grooving machine

Roll Groover,also called Steel Tube Bamboo Joint Forming Machine,Channeling Machine,is mainly used for processing bamboo joint and groove on metal tube, widely applied in the production of the rack, shelf, wardrobe frame, hardware appliances, lighting, decoration, handicrafts,Home Furnishing,and so on.

The equipment adopts hydraulic cylinder positioning,motor driven rotation, machinery gear drive and PLC microcomputer controlling, compact structure, stable working,convenient maintenance,high precision,simple operation.

Worker only needs to load the round tube into the two rolls, then the grooving will be done by machina automatically.It is an ideal equipment for tube beautification processing.

According to customer needs, different size of metal tube, different bamboo joint pitch and groove shape, also can produce the machine specially with different rolling mould and channeling cutter.

Main Technical Parameters

Rated Voltage	380V or Customized AC 3PH 50/60Hz
Rated Power	4.4KW
Input Air Pressure	More than 0.2Mpa
Pipe Length	750mm, 1000mm, 1500mm
Producing Speed	20-30piipes /Min
Overall Dimensions	130cmx100cmx190cm
Machine Weight	750Kg

Machine photo:



Machine 8: Automatic steel wire trimming machine

This machine is mainly used for trimming the edge of steel wire shelf or steel wire mesh.

Valid diameter is between 1-10mm.

The size of the mesh is not limited, work can be done easily and quickly with the help of fixtures. This machine provides fast cutting speed, even trimming end and it is very easy to use.

Utilizing high quality shaft and bearings, not only meet the requirement of normal working, also increases the stability and reliability, and make it durable.

We can design & product customized machine for different requirement.

Technical specifications:

Model	CTM-D5	CTM-D8	CTM-D10
Rated Voltage	380V-415V AC		
Rated Power	1.5KW	3KW	5KW
Motor Speed	2300RPM	1400RPM	980RPM
Max Cutting Diameter	Φ5MM	Φ8MM	Φ10MM
Cutting Speed	8-10M/MIN		
Machine Size(L x W x H)	470X400X740MM	470X400X740MM	520X460X930MM
Machine Weight	90KG	105KG	200KG

Machine photo:

