



Product catalog

ELECTRIC CONTROL EQUIPMENT

Office address: Building 1 and Podium 1-202, Block D-2, Hengda Feicui Huating,
Huaiyin District, Jinan City, Shandong Province, China.
Factory address :No.799-3,Shunda Road,Ping'an Sub-District Office,Changqing
District,Jinan,Shandong,China 250000
www.gasboosterpump.com
WhatsApp/WeChat: +86 18353183710
E-mail:admin@chinahighlight.cn

Shandong Hailaitaide Machinery Co., Ltd.

CNC Busbar Processing Machine

CNC Busbar Processing Machine
punching/ Bending / shear



Product description

This series CNC busbar processing machine has three units: punching, shearing and bending. It is easy to adjust each unit to shorten the processing time and improve the production efficiency.

The bending unit uses the imported PLC control system, which has a stable system and high precision. It is used to process copper and aluminum busbars in different specifications. By relative operation unit, it can easily and quickly do all kinds of processing to copper and aluminum busbar, such as shearing, punching (circular hole and oblong hole), flat/horizontal bending, vertical bending and knurling. Change different mold to do special processing to copper bar, such as flat press, embossing, cable connector process, and can do cutting, flat crushing, pushing, and bending.

Technical parameter

Function	item	MX-303SK	MX-503SK
Punching	Max.strength (kn)	300	500
	Diameter range (mm)	Φ4.3~Φ25	Φ4.3~Φ34
	Max.thickness(mm)	12	16
	Max.width (mm)	150	250
Shearing	Max.shearing thickness(mm)	12	16
	Max.shearing width (mm)	150	250
Horizontal bending	Max.strength (mm)	300	500
	Max.width (mm)	150	250
	Max.thickness(mm)	12	16
Vertical bending	Max.width (mm)	100	120
	Min.angle (degree)	90°	90°
Dimension (mm)	(mm)	1500*1300*1200	1800*1500*1300
Main motor power(Kw)	(kw)	3*4kw	3*5.5kw
Weight (kg)	(kg)	1250kg	1750kg
CNC precision	Bending precision	±1°	±1°
	Repeat Bending precision	±0.3°	±0.3°

Main characteristics

First point

The shearing unit uses sharp shearing, the incision interface is flat, no droop and burrs and waste, beautiful shape.

Second point

The punching unit adopts the tooth shaped six die position integral turntable, which ensures the absolute alignment of the upper die and the lower die, improves the concentricity of the die and prolongs the service life of the die.

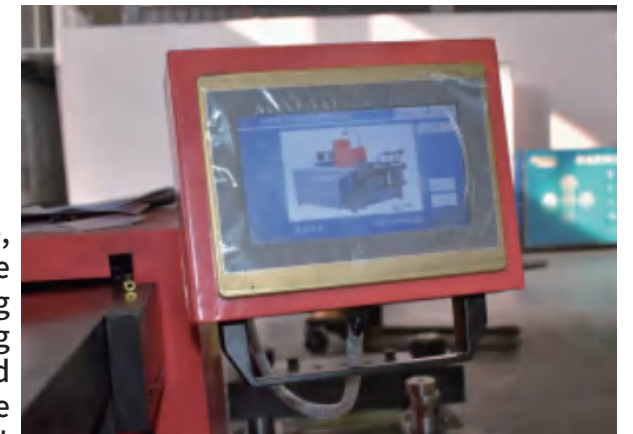
The rotary table adopts tooth structure, which has good sight and high strength. Workers do not need to change the mold frequently, the labor intensity is greatly reduced, the use is more convenient and fast, and the production efficiency is significantly higher than that of the traditional punching unit.

Third point

The bending unit adopts an independent worktable, and the three processing units work at the same time without affecting each other. The flat bending and vertical bending can be finished by changing the die. The bending angle is controlled by imported PLC. The thickness and angle of copper bar can be input directly on the CNC touch screen. The height and side length can also be input to directly process the required work (such as z-bend). The bending accuracy is ± 1° and the repetition accuracy is ± 3°. The user can input the processing data in advance, and the system can call out the data for processing according to the input information; the processed workpiece field data can be stored in the system at any time, and can be called out for reuse.

Fourth point

The machine is equipped with four casters, which can be easily moved to the required place. There are two operation modes of manual button and foot switch, the operation is simple, and the workers can use and operate it easily. According to customer requirements, different molds or fixtures can be configured to complete special shape processing.



Turret Double Table Busbar Processing Machine



Product description

This series CNC busbar processing machine has three units: punching, shearing and bending. It is easily to adjust each unit to shorten the processing time and improve the production efficiency. It is used to process copper and aluminum busbars in different specification. By relative operation unit if can easily and quickly do all kinds of processing to copper and aluminum busbar, such as shearing. Punching circular hole and oblong hole), flat/horizontal bending, vertical bending and knurling. Change different mold to do special processing to copper bar, such as flat press, embossing. cable connector process, and can do cutting. flat crushing. pushing, and bending.

Technical parameter

Function	item	MX-303E	MX-503E
Punching	Max.strength (kn)	300	500
	Diameter range (mm)	Φ4.3~Φ25	Φ4.3~Φ34
	Max.thickness(mm)	12	16
	Max.width (mm)	150	250
Shearing	Max.shearing thickness(mm)	12	16
	Max.shearing width (mm)	150	250
Horizontal bending	Max.strength (mm)	300	500
	Max.width (mm)	150	250
	Max.thickness(mm)	12	16
Vertical bending	Max.width (mm)	100	120
	Min.angle (degree)	90°	90°
Dimension (mm)	(mm)	1750*1350*1260	1850*1500*1400
Main motor power(Kw)	(kw)	3*4kw	3*5.5kw
Weight (kg)	(kg)	1400kg	1950kg

Main characteristics



First point

The shearing unit uses sharp shearing, the incision interface is flat, no droop and burrs and waste, beautiful shape.

Second point

The punching unit adopts the tooth shaped six die position integral turntable, which ensures the absolute alignment of the upper die and the lower die, improves the concentricity of the die and prolongs the service life of the die. The rotary table adopts tooth structure, which has good sight and high strength. Workers do not need to change the mold frequently, the labor intensity is greatly reduced, the use is more convenient and fast, and the production efficiency is significantly higher than that of the traditional punching unit.



Third point

The bending unit adopts an independent worktable, so that the three working positions can work at the same time without affecting each other. The whole unit adopts closed frame structure, which makes it more uniform in flat bending and embossing, greatly improves the repeated positioning accuracy in mass production, and extends the service life.

Fourth point

There are two operation modes of manual button and foot switch, the operation is simple, and the workers can use and operate it easily. According to customer requirements, different molds or fixtures can be configured to complete special shape processing.

CNC Open Busbar Processing Machine



Product description

This series CNC busbar processing machine has three units: punching, shearing and bending. It is easy to adjust each unit to shorten the processing time and improve the production efficiency. The bending unit uses the imported PLC control system, which has a stable system and high precision. It is used to process copper and aluminum busbars in different specifications. By relative operation unit, it can easily and quickly do all kinds of processing to copper and aluminum busbars, such as shearing, punching (circular hole and oblong hole) flat/horizontal bending, vertical bending and knurling. Change different mold to do special processing to copper bar, such as flat press, embossing, cable connector process, and can do cutting, flat crushing, pushing, and bending.

Technical parameter

Function	item	MX-303SK	MX-503SK
Punching	Max.strength (kn)	300	500
	Diameter range (mm)	Φ4.3~Φ25	Φ4.3~Φ34
	Max.thickness(mm)	12	16
	Max.width (mm)	150	250
Shearing	Max.shearing thickness(mm)	12	16
	Max.shearing width (mm)	150	250
Horizontal bending	Max.strength (mm)	300	500
	Max.width (mm)	150	250
	Max.thickness(mm)	12	16
Vertical bending	Max.width (mm)	100	120
	Min.angle (degree)	90°	90°
Dimension (mm)	(mm)	1500*1300*1200	1800*1500*1300
Main motor power(Kw)	(kw)	3*4kw	3*5.5kw
Weight (kg)	(kg)	1250kg	1750kg
CNC precision	Bending precision	±1°	±1°
	Repeat Bending precision	±0.3°	±0.3°

Main characteristics

First point

The shearing unit uses sharp shearing, the incision interface is flat, no droop and burrs and waste, beautiful shape.

Second point

The punching unit adopts the tooth shaped six die position integral turntable, which ensures the absolute alignment of the upper die and the lower die, improves the concentricity of the die and prolongs the service life of the die.

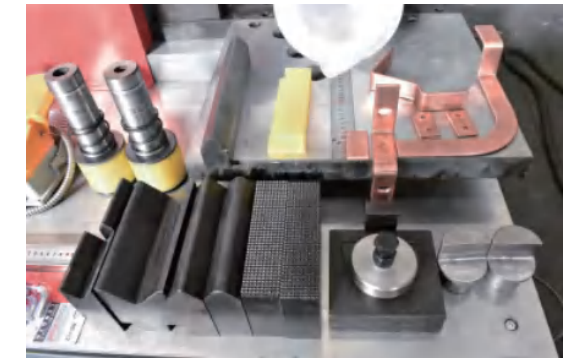
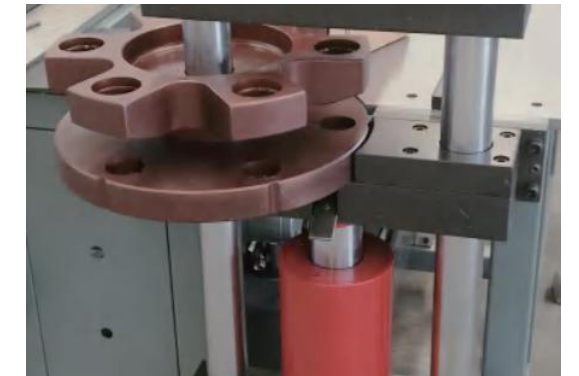
The rotary table adopts tooth structure, which has good sight and high strength. Workers do not need to change the mold frequently, the labor intensity is greatly reduced, the use is more convenient and fast, and the production efficiency is significantly higher than that of the traditional punching unit.

Third point

The bending unit adopts an independent worktable, and the three processing units work at the same time without affecting each other. The flat bending and vertical bending can be finished by changing the die. The bending angle is controlled by imported PLC. The thickness and angle of copper bar can be input directly on the CNC touch screen. The height and side length can also be input to directly process the required work (such as z-bend). The bending accuracy is ± 1° and the repetition accuracy is ± 3°. The user can input the processing data in advance, and the system can call out the data for processing according to the input information; the processed workpiece field data can be stored in the system at any time, and can be called out for reuse.

Fourth point

There are two operation modes of manual button and foot switch, the operation is simple, and the workers can use and operate it easily. According to customer requirements, different molds or fixtures can be configured to complete special shape processing.



Multi-station Busbar Processing Machine



Product description

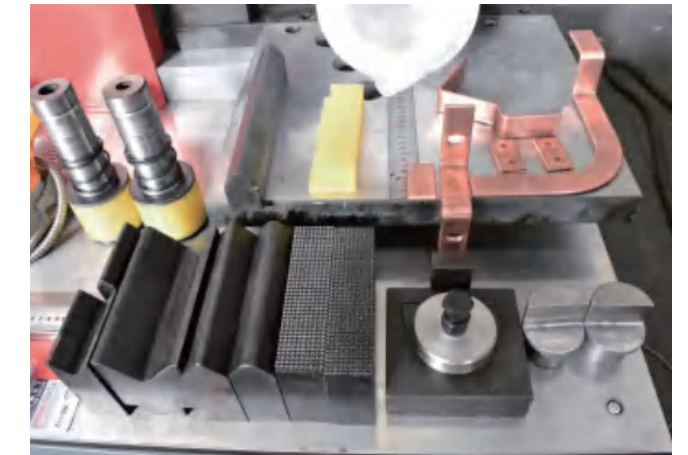
This series of bus processing machine has three units: punching, shearing and folding. The working stroke of each processing unit can be easily adjusted to shorten the processing time and improve the production efficiency.

The main function is to process different specifications of copper and aluminum bus bar. With the corresponding processing unit, it is convenient and fast to cut, punch (round hole, long round hole), fold flat bending, vertical bending, embossing and other processing of copper and aluminum bar. By changing the die, it can also complete the special processing of flattening, twisting, twisting, pressing cable joint, cutting, flattening, punching, bending and so on.

Technical parameter

Function	item	MX-303D	MX-303S	MX-503S
Punching	Max.strength (kn)	300	300	500
	Diameter range (mm)	Φ4.3~Φ25	Φ4.3~Φ25	Φ4.3~Φ34
	Max.thickness(mm)	12	12	16
	Max.width (mm)	150	150	250
Shearing	Max.shearing thickness(mm)	12	12	16
	Max.shearing width (mm)	150	150	250
Horizontal bending	Max.strength (mm)	300	300	500
	Max.width (mm)	150	150	250
	Max.thickness(mm)	12	12	16
Vertical bending	Max.width (mm)	100	100	120
	Min.angle (degree)	90°	90°	90°
Dimension (mm)	(mm)	1500*1300*1200	1500*1300*1200	1800*1500*1300
Main motor power(Kw)	(kw)	1*4kw	3*4kw	3*5.5kw
Weight (kg)	(kg)	1050kg	1200kg	1750kg

Main characteristics



First point

The shearing unit uses sharp shearing, the incision interface is flat, no droop and burrs and waste, beautiful shape.

Third point

S-type can work with three people at the same time without affecting each other, and the work efficiency is significantly improved; D-type can only work with one person in sequence

Second point

The bending unit adopts closed integral frame structure, which makes it more uniform in flat bending and embossing, greatly improves the repeated positioning accuracy in mass production, and extends the service life. The bending unit adopts horizontal processing, which is more safe and convenient in processing.

Fourth point

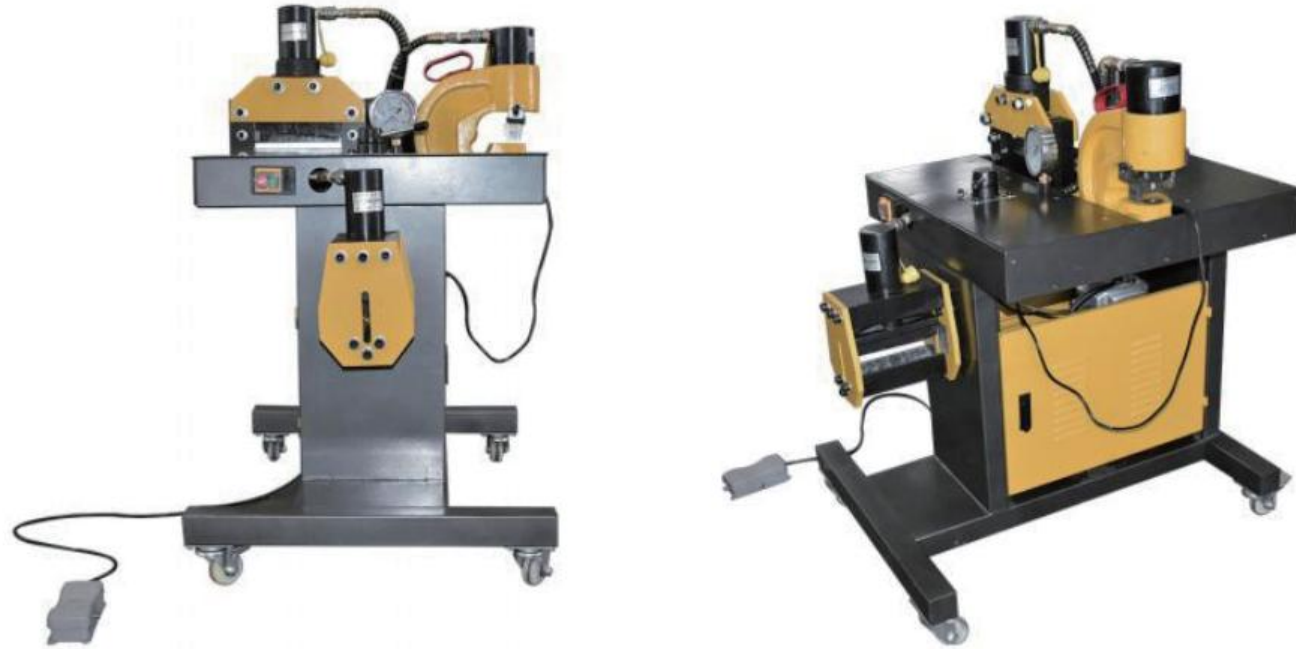
There are two operation modes of manual button and foot switch, the operation is simple, and the workers can use and operate it easily. According to customer requirements, different molds or fixtures can be configured to complete special shape processing.

Fifth point

The punching unit is a square integral structure with good sight and high strength. The die and die frame adopt double guide positioning to ensure the absolute alignment of the upper die and the lower die, improve the concentricity of the die and prolong the service life of the die.



Combined Busbar Processing Machine



Product description

This machine is designed and manufactured with reference to foreign advanced products and combined with the actual situation in China in order to improve work efficiency and save working time. It is suitable for the workshop and the field construction of power transmission and distribution work, as well as the use of power distribution cabinet and switch cabinet and other electrical equipment manufacturers. The machine has the functions of cutting, punching and bending.

Technical parameter

Input voltage	Individual 50Hz,220V
The amount of work pressure	630Kn
Cutting capacity	Copper bar / aluminum bar 150mm*10mm
Punching capacity	Copper bar / aluminum bar 150mm*10mm
Bending capacity	Copper bar / aluminum bar 150mm*10mm
Vertical bending range	Copper bar / aluminum bar 125mm*10mm
Flow table size	700mm(L)*700mm(W)*1000mm(H)
Standard punching mold	Φ10.5 Φ13.8 Φ17 Φ20.5
Machine weight	170kg

Hydraulic Cutting Machine

Product description

It is a specialized machine for cutting copper and aluminum busbar, cutting speed fast, flat and non-deforming cutting interface, on waste after side cutting, it is used to cut copper and aluminum busbar at field operation or factory, Hand pump, foot pump and electric motor are all optional.



Model	Plate thickness(mm)	Output(T)	Deep throat (mm)	Weight (kg)	Mold configuration
CH-60	10	31	95	13.5	Φ10.5 Φ13.8 Φ17 Φ20.5
CH-70	12	35	115	28	Φ10.5 Φ13.8 Φ17 Φ20.5

Hydraulic Punching Machine

Product description

It is a specialized machine for punching busbar and used for working aloft, cutting speed fast, no burr, precise location, no deviation in punching precision. Hand pump, foot pump and electric motor are all optional.

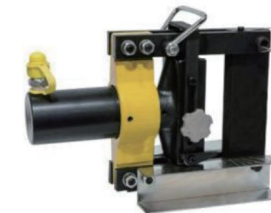


Model	Output (T)	Width (mm)	thickness (mm)	thickness (mm)	thickness (mm)
CWC-150	15	150	10	410*275*180	26
CWC-200	20	200	12	430*340*200	35

Hydraulic Bending Machine

Product description

It is a specialized machine for horizontal/level bending the copper and aluminum busbar, CB-150D is a flip-open type. When bend copper busbar to N or L shape, location pin can be pulled out and the mold is open up, it is easy to get out of the shaped busbar.



Model	Board width (T)	Plate thickness (mm)	Output (T)	Weight (kg)
CB-150D	150	10	16	17.5
CB-200A	200	12	20	24