

The logo for METMAC is displayed in a bold, sans-serif font. The letters 'M', 'E', 'T', 'M', 'A', and 'C' are dark blue, while the letter 'T' is red. The background of the entire page is a light gray with a repeating pattern of small, stylized leaf or petal shapes.

**AIR DUCT MANUFACTURE  
SHEET METAL WORK  
CUTTING  
STEEL STRUCTURE MACHINE**

[WWW.METMAC.COM](http://WWW.METMAC.COM)

# METMAC

## Information of company

METMAC company successfully works in the market of machine tools for cutting and metal working machine, air duct machine, roll forming machine, steel structure machine  
 The company's mission: to make modern technologies of metal available in worldwide  
 Our main goal is to take over all the difficulties that arise when the client manufacturing new equipment

## Areas of activity

• Technological consultation	• Complex supply of machines	• Service and warranty service
<ul style="list-style-type: none"> <li>-The study of the production processes</li> <li>-Optimization of technological processes</li> <li>-Demonstration of existing production</li> <li>-Selection of the optimal equipment</li> <li>-Optimization workshop logistics</li> </ul>	<ul style="list-style-type: none"> <li>-Organization and optimization of logistics</li> <li>-Customs clearance turnkey</li> <li>-Flexible financial solutions, lending, leasing, installment</li> <li>-Support of direct contracts</li> <li>-Warehouse equipment and accessories</li> </ul>	<ul style="list-style-type: none"> <li>-Quick adjustment of the equipment</li> <li>-Operator training</li> <li>-Rapid response to requests for service</li> <li>-Warranty support, additional warranty</li> <li>-Diagnostics equipment</li> <li>-After-sales support</li> <li>-Warehouse of spare parts</li> </ul>

## Our equipment

• Metal cutting equipment	• Equipment for sheet metal	• Welding equipment
<ul style="list-style-type: none"> <li>-Vertical and horizontal machining centers</li> <li>-Vertical milling machines</li> <li>-Machining centers</li> <li>-Grinding machines</li> <li>-Universal lathes and milling machines</li> <li>-EDM</li> <li>-Vertical drilling equipment</li> <li>-Threading and thread rolling equipment</li> <li>-Handsaw equipment</li> <li>-Pipe bending equipment</li> <li>-Air duct manufacture machines</li> </ul>	<ul style="list-style-type: none"> <li>-Laser, plasma, hydro abrasive cutting</li> <li>-Punching and stamping</li> <li>-Sheet metal bending</li> <li>-Forming equipment</li> <li>-Production and processing of all types of metal profiles</li> <li>-Hand-hold machines for cutting, bending forming of sheet metal thickness up to 1,5mm</li> <li>-Paint line</li> <li>-Edge equipment</li> </ul>	<ul style="list-style-type: none"> <li>-Equipment for spot welding</li> <li>-Equipment for plasma welding seam</li> <li>-Solutions for welding metal profiles</li> <li>-Line pipe welding</li> <li>-Welding column conductor, twist mechanism</li> <li>-Automation and robotics welding</li> </ul>

## Branches of application equipment

• Heavy machinery	• Oil and gas industry	• Light engineering
<ul style="list-style-type: none"> <li>-Aircraft</li> <li>-Shipbuilding</li> <li>-Railroad car</li> <li>-Defense industry</li> <li>-Aerospace industry</li> <li>-Nuclear industry</li> <li>-Engine building</li> </ul>	<ul style="list-style-type: none"> <li>-Production tanks and tank equipment</li> <li>-Production drilling and pumping equipment</li> <li>-Production equipment for the boiler</li> <li>-Tube manufacturing, oil and gas pipelines</li> <li>-Manufacture of cases and protective covers</li> <li>-Rolling production</li> </ul>	<ul style="list-style-type: none"> <li>-Automotive</li> <li>-Production of agricultural machinery</li> <li>-Manufacture of machinery</li> <li>-Production of commercial and refrigeration equipment</li> <li>-Manufacture of electrical equipment</li> <li>-Manufacture of metal furniture</li> <li>-Lift division</li> </ul>

• Steel construction
<ul style="list-style-type: none"> <li>-Production of transmission, towers, lighting towers, cell towers</li> <li>-Production of guardrails</li> <li>-Crane equipment</li> <li>-Bridge constructions</li> <li>-Production of silos</li> </ul>

• The construction industry
<ul style="list-style-type: none"> <li>-Industrial ventilation, aspiration</li> <li>-Production of fire protection systems</li> <li>-Production of ventilated facades</li> <li>-Production of sandwich panels</li> <li>-Production of construction steel</li> <li>-Production of ceiling lights</li> <li>-Production of metal and fire doors</li> </ul>

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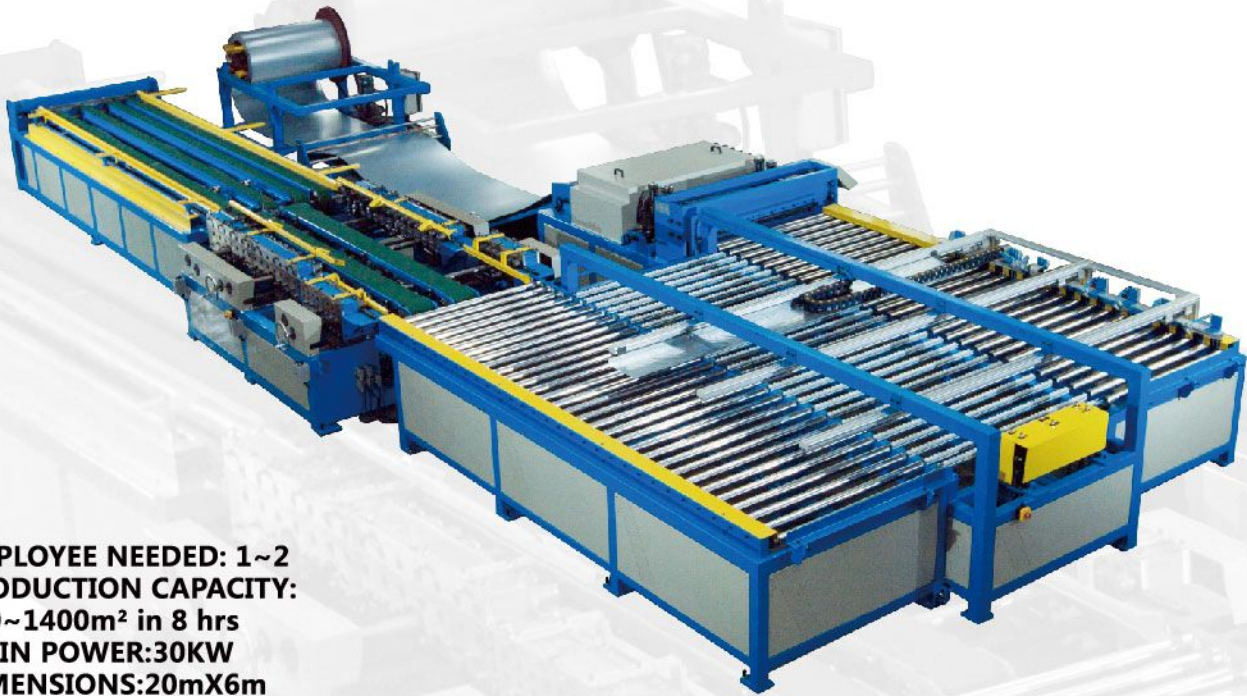
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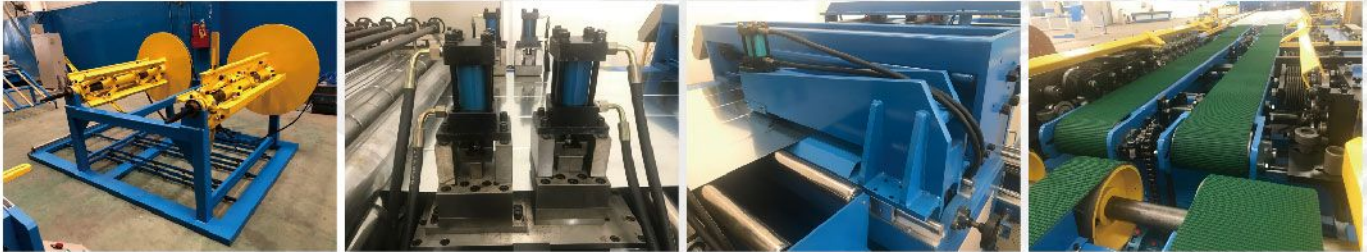
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## Duct manufacture auto line U model



**EMPLOYEE NEEDED: 1~2**  
**PRODUCTION CAPACITY:**  
**800~1400m<sup>2</sup> in 8 hrs**  
**MAIN POWER:30KW**  
**DIMENSIONS:20mX6m**

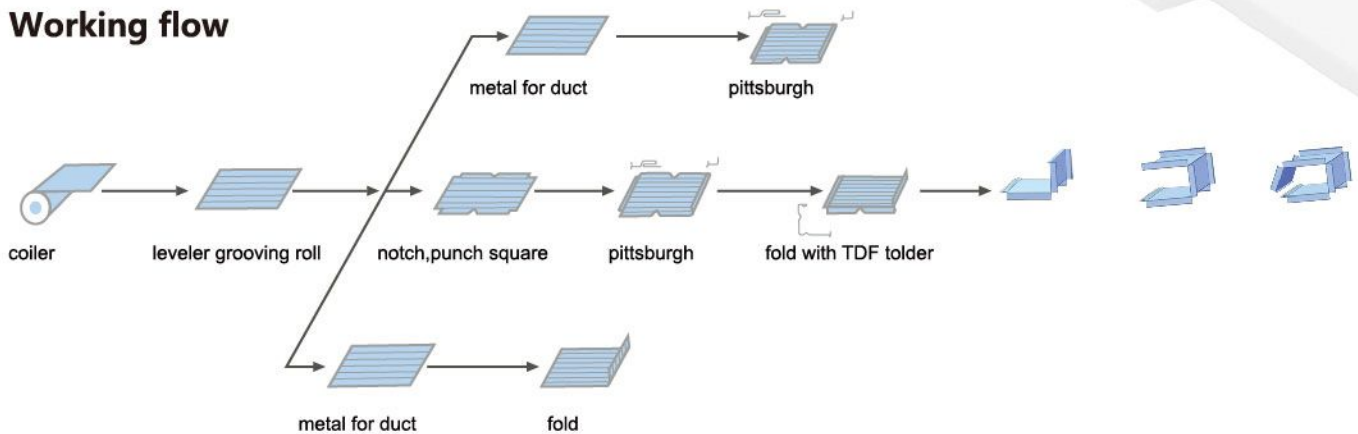


Duct manufacture auto line is designed for medium to large volume workshops and is used to work with the coiled metal with weighting up to 6 tons, thickness up to 1,2 mm and minimal duct size 180x180 mm .

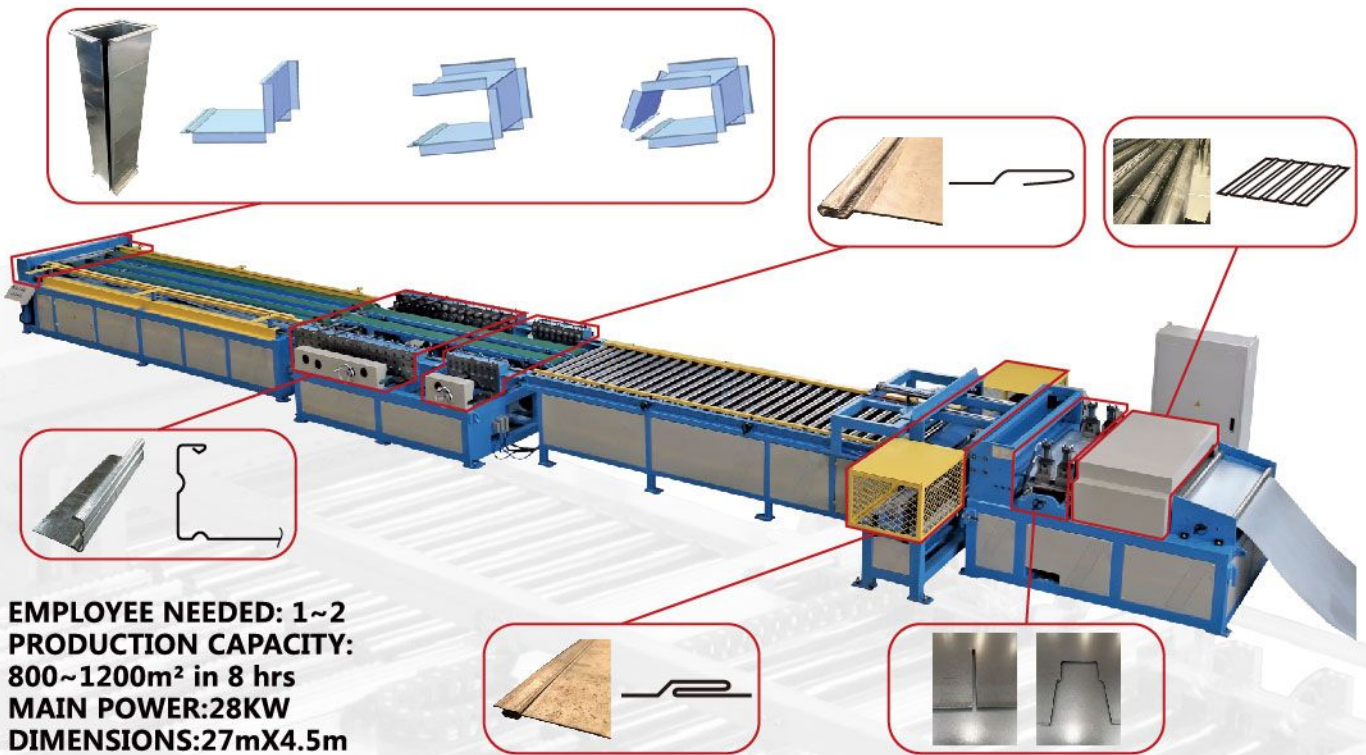
The machine provides high efficiency production of straights air-ducts. The production process can be managed by only one operator. The quantity and the parameters of the required products are inserted directly through the Touch Screen of the controller with a convenient and easy to manage interface.

Duct manufacture auto line V has a modular design which allows to use it in different configurations: feeding & straightening of the coiled metal, bending, punching, cutting-to-length, Pittsburgh forming, TDF flange, "C" flange, angle iron flange forming, duct folding and closing.

### Working flow



## Duct manufacture auto line I model



**EMPLOYEE NEEDED: 1~2**  
**PRODUCTION CAPACITY:**  
**800~1200m<sup>2</sup> in 8 hrs**  
**MAIN POWER:28KW**  
**DIMENSIONS:27mX4.5m**



**ADVANTAGES:**  
 Automatic production of HVAC rectangular duct, several operations previously produced on different machines, now are produced on one automatic line.  
 Reduces the time to manufacture one air ducts  
 Reduces the cost of consumables  
 High tightness of the finished duct, compliance  
 Reducing the cost price to 30%



Descriptions	Unit		AML-V	
Capacity	Material		Galvanized sheet, stainless sheet	
	Thickness	mm	0.5~1.2	
	Width	mm	1250, 1550	
	Cut to length	mm	600~4000	
Coil	Weight	kg	6000	
	ID	mm	508	
	OD	mm	<1100	
	quantity	pcs	4	
Speed	Flat sheet	m/min	≤15	
	L shape	Sec/Piece	≥47	
	□shape	Sec/Piece	≥56	
Cutting accuracy	Length	mm/m	±0.5	
	Degree	°	±0.8	
Folding accuracy	Length	mm/m	±1	
	Degree	°	±0.5	
Duct capacity	TDF	mm	35	
	Lock former	single	mm	7~9
		double	mm	14
	Minimum cross section	L	mm	150×350
		□	mm	180×180 (t=0.5~1.0)

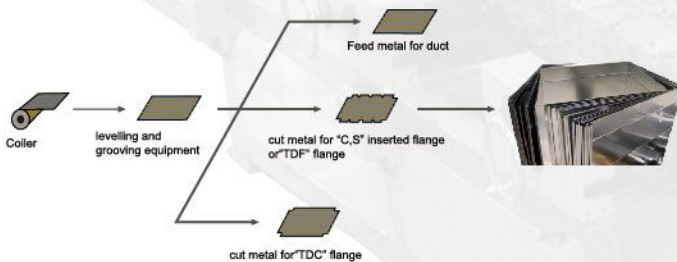
## Semi duct manufacture auto line

Duct manufacture auto line I, II, III is designed for small to medium volume workshops and is used to work with the coiled metal with weighting up to 6 tons, thickness up to 1,2 mm and minimal duct size 160x160 mm .

The machine provides high efficiency production of straight air-ducts. The production process can be managed by only one operator. The quantity and the parameters of the required products are inserted directly through the Touch Screen of the controller with a convenient and easy to manage interface.



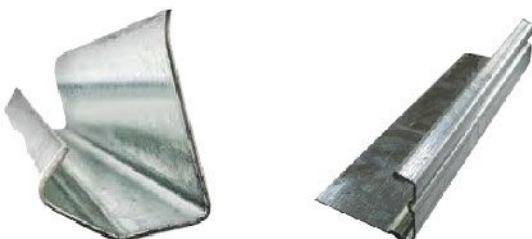
Descriptions	Unit	AML-III
Material		Galvanized steel, Stainless steel
Material thickness	mm	0.5~1.2
Max. coil width	mm	1000~1250, 1220~1530
Max. coil weight	kg	6000
Inner dia of coil	mm	508
Outer dia of coil	mm	1300
Capacity of decoiler	pcs	1
Power supply	kw	10
Dimension	mm	1000x1800x1600
Weight	kg	4500



## TDF flange machine

Rollforming your own TDF flanges with 16 forming stations on transverse duct ends during the manufacturing process has never been easier. The TDF flange, per Duct Construction Standard specifications, is formed on the machine's right-hand, TDF Clip is formed on another side.

Descriptions	Unit	T-12	2-T-12
Material		Galvanized sheet, Stainless sheet	
No adjustment for material	mm	0.5~1.2 mm	
Roller material		GCr15	
Transmission		Chain	
Control		Normal electric control	
Working speed	m/min	8	
Power supply	kw	3	4
Dimension	mm	2800X600X1120	3200x2700x1100
Weight	kg	1500	3000



## Duct lock former



Pittsburgh Lock Former with stations is a multi-functional machine for varying uses in the HVAC ducting industry. It is designed for the formation of different types of seams, which are used in the manufacture of rectangular and round ducts, chimneys, gutters. The rolls are made from the highest quality case-hardened special steel and can be easily changed.

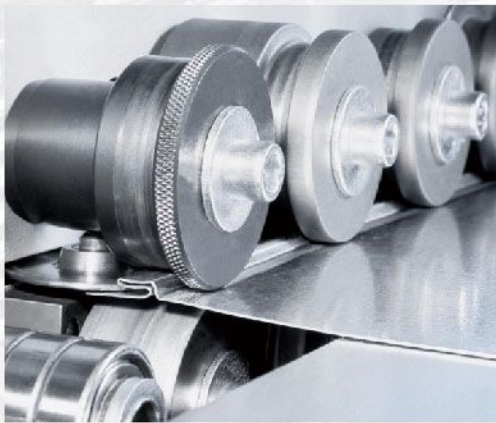
LC-12DR, this 7 forming station Pittsburgh Lock Former with 6 forming positions, Pittsburgh Lock, Double Seam (ACME), Right Angle Flange, Drive Cleat with slit, standing seam and Power Flanger.

LC-12M, this 8 forming station Pittsburgh Lock Former with 4 forming positions, Pittsburgh Lock, Double Seam (ACME), "S" Cleat and Drive Cleat.

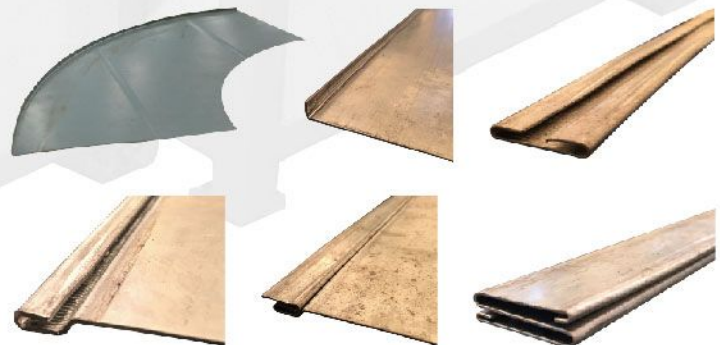
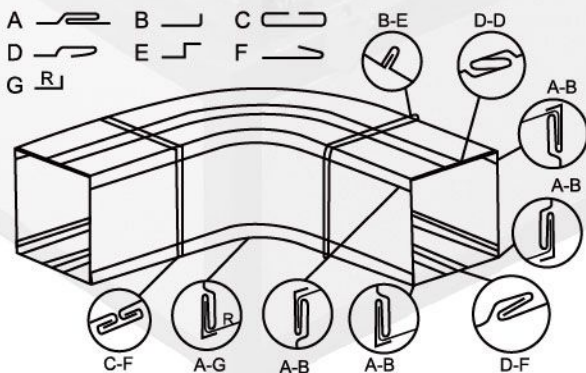
Standing Seam and T connection are optional.

LC-12E, this 7 forming station Pittsburgh Lock Former with 2 forming positions, Female Button Lock and Male Button Lock.

Descriptions	Unit	LC-12DR	LC-12M	LC-12C	LC-12E	LC-15DR	LC-15M	LC-15C	LC-20
Material		Galvanized steel, stainless steel							
No adjustment for material	mm	0.5~1.2			0.7~1.5			0.7~2.0	
Roller material		GCr15 or material similar							
Transmission		V-belt							
Control		Normal electric control							
Working speed	m/min	9							
Dimension(LxWxH)	mm	1050X580 X1050	1520X650 X1010	1050X580 X880	1050x580 x880	1650x660 x1080	1420x680 x1160	1150x660 x1080	1650x650 x1050
Weight	kg	230	360	210	210	310	360	290	435



Descriptions	LC-12DR LC-15DR	LC-12M LC-15M	LC-12E LC-15E	LC-12C LC-15C	LC-20
Pittsburgh lock					
Drive cleat					
Double seam					
Right angle flange					
Standing seam					
Round right cleat					
S clip					
Female button lock					
Male button lock					
Acme double seam					
Options					
T connection					
Standing seam					



## Plasma cutting machine

Plasma cutting machine for HVAC duct fabrication especially. It is capable of cutting galvanized steel, mild steel, stainless steel and aluminum. Plasma cutting machine consist of operation system and special duct design software. All special design duct are available in the software and produced easily by setting the dimension of duct.



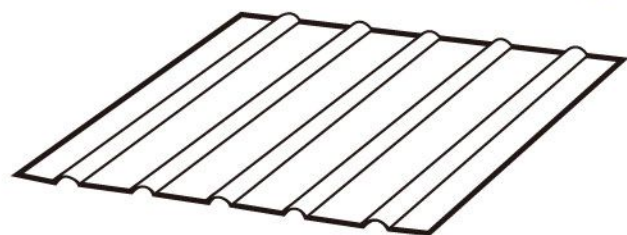
Descriptions	Unit	PC-3100	PC-5100
Working area	mm	3100X1300	5100X1530
Traverse bar speed	m/min	0~40	
Duct design software		PM2008 (standard) LANTEK (optional)	
Material thickness	mm	0~6	
Cutting accuracy	mm	±0.1	
Positioning precision	mm	±0.1	
Dimension	mm	3500X1900X1500	5500X2050X1500
Weight	kg	800	1000



## Duct grooving machine

Duct grooving machine for duct vein forming. It is light to be moved to construction to produce duct. Five or seven veins grooving machine is used to strengthen sheets, it forms several strengthened veins on the air conditioning duct or metal sheet at same time to make the duct or sheet .

Model	Unit	G1.5x1250-5	G1.5X2000-7	G1.5X2500-7
Max. thickness	mm	1,5		
Transmission		Chain		
Control		Normal electric control		
Power supply	kw	2.2	3	3
Dimension	mm	1680X860X1260	2500X860X1370	2970x860x1370
Weight	kg	800	1000	1370





## TDC flange machine



Roll forming your own TDC flanges with 16 forming stations on transverse duct ends during the manufacturing process has never been easier. The TDC flange, per Duct Construction Standard specifications, is formed on the machine started from decoiler, feeder, roll forming machine, cutting machine and stacking device automatically.

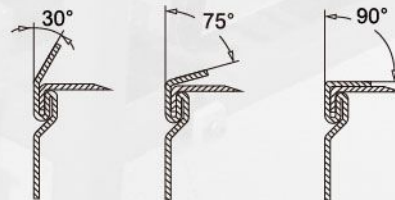
Descriptions	Unit	T-20	T-30	T-40	T-25	T-35
No adjustment	mm	0.5~0.8	1.0	1.0~1.2	1.0	1.0~1.2
Roller material		GCr15				
Material		Thermal refined 45#				
Roller shaft material		Chain				
Transmission		Normal electric control				
Control		8				
Working speed	m/min	4				
Power supply	kw	4300X750X1500				
Dimension	mm	2200	2500	3000	2500	3000
Weight	kg					

## Duct seam closing machine



Duct seam closer HFJ-12 is used with DUCT AUTO LINE, TDF TRANSVERSE FLANGE DUCT MACHINE or TDC TRANSVERSE FLANGE DUCT MACHINE and PITTSBURGH LOCK MACHINE. The ideal duct connection includes united joint and right-angle side. The duct seam closer HFJ-12 works out with the seam of high quality without help of other auxiliary connecting tool.


Descriptions	Unit	HFJ-12
Material thickness	mm	0,6~1,2
Working length	mm	1000~1500
Supply power	kw	4
Dimension	mm	1205X1970X2290
Weight	kg	800



## Duct seam closing tool



Excellent protection against destructive effects of industrial vibrations. Now closing of a standing angled rebate on different Parts such as air ducts, ducts, containers is an easy and fast process. Has many areas of application: installation of heating systems and ventilation; when doing body work; at installation of exhaust systems and chimneys, as well as finishing of facades and roofing works.

Model	Thickness(mm)	Height of flange (B) (mm)	
F-300	0.75-1.0	9-11	B Height flange
	1-1.25	11-13	

## Seam closing machine

Seam closing machine assembly in one pass forms fold at the edges of rectangular or square channels and connects them to the castle. In the moment passage through the channel the machine in the still open seam can apply a special sealant for sealing products, as a result of which we get the airway rectangular section with dense hermetic seam.

The machine body is a stable welded structure, bearing parts of which are made of sheet metal, which further strengthens the rigidity.



Descriptions	Units	HF-I	HF-II
Thickness	mm	0.5~1.0	1.0~1.25
Min. Duct size	mm	100X100	200X200
Speed	m/min	15	15
Support height	mm	700	700
Support length	mm	1500	1500
No. of support arm		2X3	2X3
Working height	mm	800	800
Power	kw	5.5	5.5
Dimensions	mm	5350X1000X1000	5350X1000X1000
Weight	kg	710	710

## TDF hand folder

TDF hand folder is suitable for small to medium volume workshops with special design of folding blade can bend different size of square duct. Locking system has two different types with Cam Lock and Gear Lock.



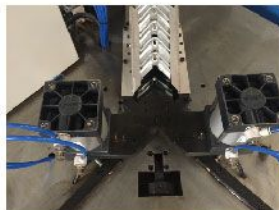
Descriptions	Unit	WS-1.5X1300TDF	WS-1.5X2000TDF	WS-1.5X2500TDF
Material thickness	mm	1,5	1,5	1,5
Material Width	mm	1300	2000	2500
Min. folding size	mm	200X200	200X200	200X200
Dimension	mm	1850X710X1400	2600X710X1400	3100X840X1520
Weight	kg	415	605	800

## TDF duct corner fitter

TDF duct corner fitting machine will save your labor cost on the duct production. Put the duct on appointed position, the machine does the following job of corner feeding, pressing and fixing automatically.



Descriptions	Unit	TSC-1
Material thickness	mm	0.5~1.2
Pneumatic pressure	Mpa	0.6~0.8
Dimension	mm	1250X1100X1330
Weight	kg	250



## TDF TDC Corner forming machine



Machine uncoiling the roll of material for next working process. Automatic feeding device used in leveling, feeding the sheet of material correctly into the punching machine. Punching machine working together with TDF corner forming mold to produce the TDF corner automatically and not waste any part of sheet of material. On the mold be cable to put the logo name as customer requirement.

Descriptions	Unit	CAF-TDF/TDC
Material		Galvanized steel
Thickness	mm	1.0,2.0,3.0
Width of coil	mm	110,120
Inter diameter	mm	φ508-610
Max loading	T	1



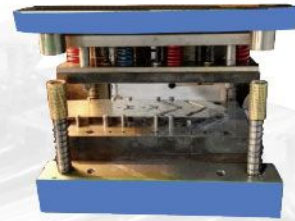
TDC CLAMP



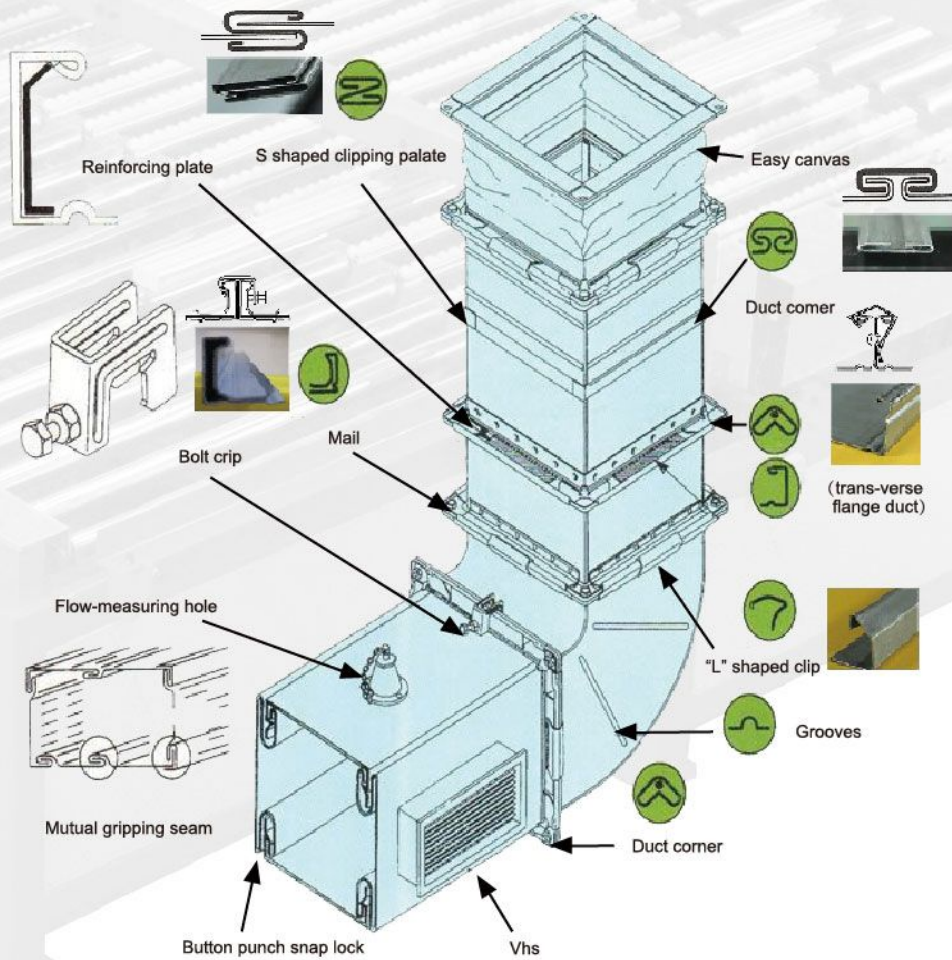
TDF



TDC



## Rectangular duct installation



## Spiral tube former 1602

Spiral tube former 1602 is used on most ventilation companies in the world. It is distinguished for its reliability, the lock of the highest quality and well done performance. The machine has a huge working capacity, ease of readjustment from one diameter to another, as well as convenient control.

**Features:**

- Main drive with frequency regulator
- Vertical decoiler and receiving table
- Hydraulic clamping roller drive
- Hydraulic drive of the feed roller
- Automatic length measuring system
- The combination of speed and constancy
- Hundreds of machines all over the world
- High reliability



Descriptions	Units	TF-1602	Size of mold (mm)							
			φ80	φ155	φ250	φ380	φ560(22")	φ800	φ1067(42")	
Diameters	mm	80-1600	φ90	φ160	φ255(10")	φ400	φ600	φ850	φ1100	
		0.4 – 1.3 galvanized steel	φ100	φ180	φ280	φ420	φ610(24")	φ864(34")	φ1120(44")	
		0.4 – 0.8 stainless steel	φ110	φ190	φ300	φ432(17")	φ630	φ900	φ1150	
Thickness	mm	0.6 – 1.3 aluminum	φ125	φ200	φ315	φ450	φ650	φ950	φ1168(46")	
		Sliter - smooth and soundless cutting with roller knives	φ130	φ210	φ330(13")	φ483(19")	φ700	φ965(38")	φ1200	
Cutting system		Main drive with frequency regulator Vertical decoiler and receiving table Hydraulic clamping roller drive Hydraulic drive of the feed roller Automatic length measuring system	φ140	φ220	φ350	φ500	φ710(28")	φ1000	φ1219(48")	
			φ150	φ230(9")	φ355(14")	φ550	φ750	φ1050	φ1250	

## Spiral tube former 1602B

This rigid and highly mobile Spiral tube former 1602B is ideal for on-site work and performs strongly in a rough environment. The compact design and selected technology allows for an easy relocation to a new worksite.

The spiral tube former 1602B captures the All-In-One approach, including the run-off table, decoiler, automatic discharge function, corrugation unit, flying slitter and standard tooling up to 1.0 mm.

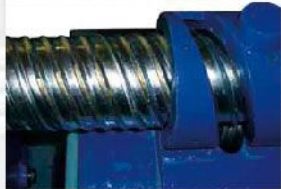


Descriptions	Units	TF-1602B
Thickness	mm	0.4 – 1.0 galvanized steel
		0.4 – 0.6 stainless steel
		0.6 – 1.0 aluminum
Cutting system		Sliter - smooth and soundless cutting with roller knives
		Main drive with frequency regulator Vertical decoiler and receiving table Hydraulic clamping roller drive Hydraulic drive of the feed roller Automatic length measuring system

- Features:**
- Compact & Rigid Design
  - Reduced Maintenance
  - High Mobility
  - FRU Cassettes For Quick Set-Up



## Spiral tube former 2020



Unique in the world machine tool, easily working with metal up to 2 mm. The machine is distinguished by its huge resource. This equipment has been wide applied in the field of ventilation and degassing of mines and living quarters.

**Features:**

- Heavy duty main drive with frequency regulator
- Hydraulic clamping roller drive
- Automatic length measuring system
- Mechanized angle measuring system
- Hydraulic drive of the feed roller
- Unique system of Sleeper knives
- Modern rigid forming rings,
- To obtain the best quality pipe in the world
- Stiffeners allow to use
- Metal of the smallest thickness without loss of rigidity
- The possibility of using a plasma cutter for working with large thicknesses

Descriptions	Units	TF-2020
Diameters	mm	80-2500
Thickness	mm	0.4 - 2.0 galvanized steel
		0.4 - 1.3 stainless steel
		0.6 - 2.0 aluminum
Cutting system		Super Sliter - smooth and soundless cutting with roller knives
Basic equipment of the machine		Svermoschny main drive with frequency regulator
		Mechanized angle change system
		Hydraulic clamping roller drive
		Hydraulic drive of the feed roller
		Automatic length measuring system

## Spiral tube former 1500

Tube former 1500 is professional for making straight round duct. It can greatly increase the production efficiency. It is working combine with round pipe elbow making machine, Seam welding machine, Angle iron round rolling machine and Three roller bending machine can making any type round duct easily.

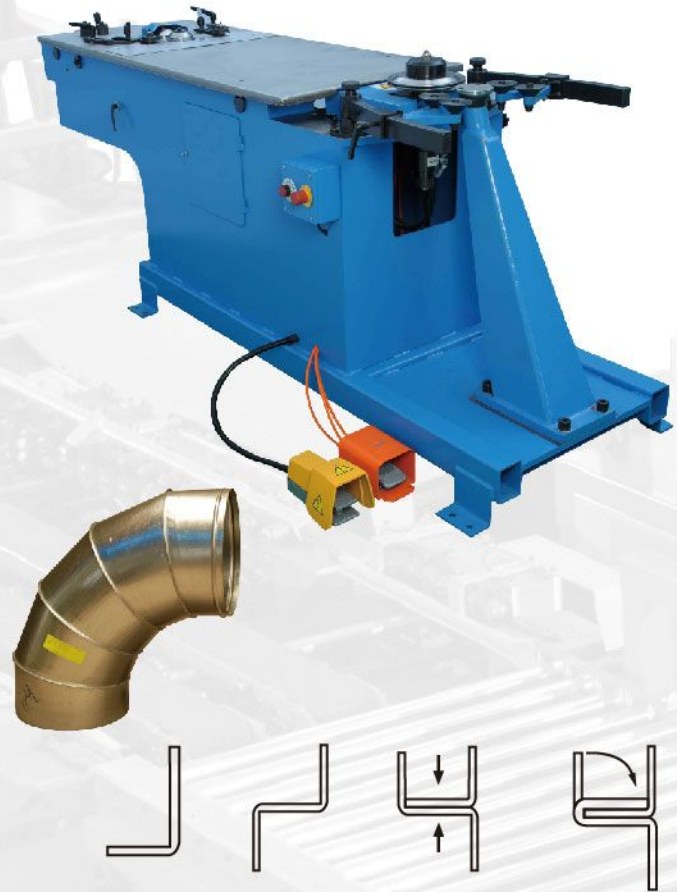


Model	Unit	TF-1500
Diameter range	mm	80~1500
Tube length	mm	125~6000
Strip Width	mm	137
galvanization	mm	0.4~1.2
Stainless steel	mm	0.4~0.8
Aluminum	mm	0.4~1.2
Max. strip speed	m/min	38

## Hydraulic round duct elbow machine

Duct elbow machine EM-1250 is professional for making round duct elbow. It can greatly increase the production efficiency. This machine combine with our Spiral tube forming machine, Seam welding machine, Angle iron round rolling machine and Three roller bending machine can making any type round duct easily.

Descriptions	Unit	EM-1250
Max. speed	m/min	120
Diameter range	mm	125~1250
Black steel	mm	0.4-1.5
Galvanized steel		0.4-1.5
Stainless steel		0.4-1.0
Aluminum		0.4-1.5



## Mechanical round duct elbow machine

Machine for assembling segment taps, transitions, plugs using standing seam. The machine has two independent working stations for rolling fold and its draft, respectively. It gives you advantages, because on equipment can make two operators working together and do not waste time on readjustment of the machine. Using a standing lock replaces welding and increases the rigidity of the finished products. Standard equipment includes rollers for production rebate height of 5mm, 7mm, 9mm.

Descriptions	Unit	DCP-1000	DCP-1250	DCP-1500
Max. speed	m/min	7	7	7
Diameter range	mm	100~1000	100~1250	100~1500
Black steel	mm	0.4-1.2	0.4-1.5	0.4-1.5
Galvanized steel		0.4-1.2	0.4-1.5	0.4-1.5
Stainless steel		0.4-1.0	0.4-1.0	0.4-1.0
Aluminum		0.4-1.2	0.4-1.5	0.4-1.5
Power	kw	3	4	5
Dimension	mm	2100X820X890	2100X820X890	2400X820X890
Weight	kg	556	556	610



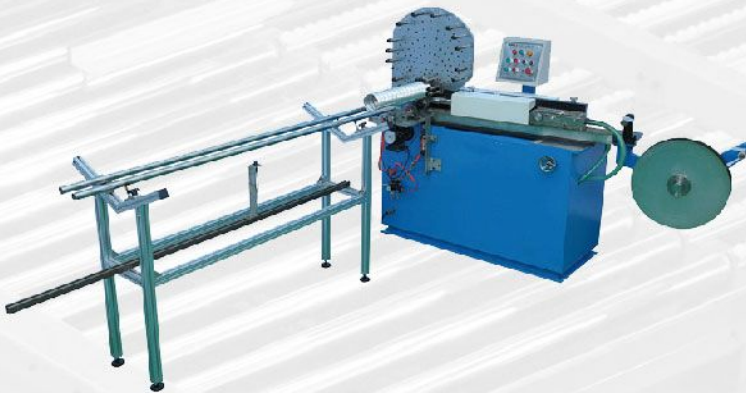
## Aluminum Flexible duct forming machine



The Aluminum flexible duct forming machine makes the flexible working range from  $\phi 80$  to  $\phi 600$ , by changing the different width of material for producing the different diameters. Speed is adjustable by computer to make sure the operation easier.

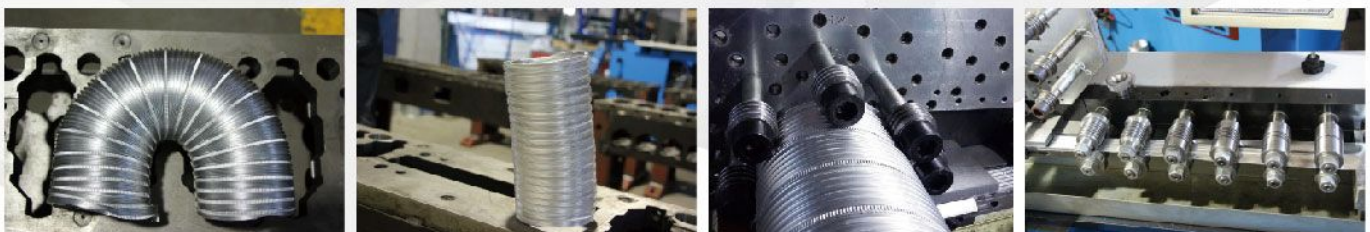
Descriptions	Unit	LR-600
Diameter	mm	$\phi 80-600$
Thickness	mm	0.02-0.08
Width	mm	$\phi 80-35$ $\phi 100-40$ $\phi 125-\phi 300-45$ $\phi 300-\phi 600-45-60$
Feeding speed	m/min	65
Dimension	kg	680
Working temperature	C	165
Motor power	kw	1.1X2
Heating power	kw	4

## Aluminum duct forming machine



The Aluminum flexible duct forming machine makes the flexible working range from  $\phi 80$  to  $\phi 500$ , thickness from 0.08 to 0.15mm. Ripple can be different by changing the mold. Speed is adjustable by computer to make sure the operation easier.

Descriptions	Unit	LF-500
Diameter range	mm	$\phi 80-\phi 500$
Thickness	mm	0.08-0.15
Strip width	mm	60
Ripple		4,5,6,7 Option 6 Standard
Feeding speed	m/min	0-46
Lock form		Double decked tabby locking
Power	kw	2
Weight	kg	440
Dimension	mm	2210X830X1530



## Motor driven roll bending machine

W11G is in demand in the production of air ducts systems of storm sewage and facing pipes.

Optimum speed of rotation of shafts and absence parts of pressure on the workpiece retain the structure of the steel, and the coating if any attaching. Easy adjustment of the gap possibility.



Descriptions	Unit	W11G-2X1000	W11G-1.5X1300	W11G-1.5X1530
Max thickness	mm	2	1.5	1.5
Max length	mm	1000	1300	1530
Yield limited	Mpa	245	245	245
Mini diameter	mm	100	100	100
Top roller diameter	mm	72	72	72
Bottom roller dia	mm	72	72	72
Power	kw	1.5	1.5	1.5
Dimension	mm	1180X550X1170	1540X550X1170	2050X550X1170
Weight	kg	220	255	281



## Round duct seam closing machine

Round duct seam closing machine is designed for hermetic settling longitudinal seam on a workpiece of circular cross-section. The machine is designed to work with thin-sheet metal with zinc and polymeric coating - both protective and decorative. Machines have a simple design, easy to use due to high-quality rollers.

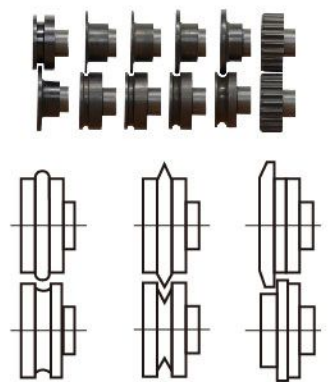
Descriptions	Unit	YJB-1.5X1500
Max thickness	mm	1.5
Power	km	0.75
Dimension	mm	2700X1165X1850
Weight	kg	850



## Rotary machine

The machine adopts full steel welding structure with enough hardness and rigidity. It also has been heated processed and highly frequently vibrated. Adopting floor boring-milling machine for guaranteeing the precision

Descriptions	Unit	LH-10	LX-15	LX-18
Max thickness	mm	1.0	1.5	1.8
Dimension	mm	470X615X1030	870X400X1000	870X450X1180
Weight	kg	50	85	145





## Stitchwelder SW-30-2



Stitchwelder is used widely in the ventilation production such as closing the seam of round elbow duct and other special profiles. With welding connection the duct is more tough and be in the good condition of not leaking of air.

Descriptions	Unit	SW-30-2
Thickness	mm	0.4-1.2
Welding length	mm	50~1000
Diameter range	mm	φ100-1000
Overlap	mm	6
Welding speed	m/min	2
Cooper diameter	mm	φ2.0-2.2
Max power	kw	40
Dimension	mm	1000X2000X1700
Weight	kg	2500

## FN Seam welder



FN series seam welder has the structure of footplate and spring pressurize. It has the advantage of easy operation and maintenance. It is suitable to weld complex structure plate and work piece in different position. The current and welding time can be adjusted. There is no load consumption. It is widely used in welding low carbon, steel plate, wire, stainless steel, non-furrous metal, thin sheet and other materials.

Descriptions	Unit	FN-35	FN-55	FN-75	FN-100
Thickness	mm	0.4-1.0	0.4-1.2	0.4-1.5	0.4-2.0
Rated power	KVA	145	55	75	110
Max short circuit current	A	6200	11000	16000	26000
Max pressure of electrode	KGF	400	600	1000	1000
The flow of cooling water	L/min	6	6	8	8
Arm length	mm	600	600	600	600
Electrode welding	mm	80	80	80	80
Welding speed	m/min	0.5-3	0.5-3	0.5-3	0.5-3

## DN Spot welding machine



DN series spot welder has the structure of footplate and spring pressurize. It has the advantage of easy operation and maintenance. It is suitable to weld complex structure plate and work piece in different position. The current and welding time can be adjusted. There is no load consumption. It is widely used in welding low carbon, steel plate, wire, stainless steel, non-furrous metal, thin sheet and other materials.

Descriptions	Unit	DN-16	DN-25	DN-40
Rated input voltage	V	380	380	380
No-load voltage	V	1,6-3,2	1,76-3,52	2,1-4,2
Rated power	KVA	16	25	40
Rated duty	%	20	20	20
Throat depth	mm	250(400)	250(500)	250(500)
Insulation class		F	F	F
Welding thickness of low carbon steel	mm	0,5+0,5~3+3	0,6+0,6~4+4	0,8+0,8~4,5+4,5
Max.welding diameter of low carbon steel bar	mm	7+7	8+8	10+10
Dimension	mm	840X450X1180	880X480X1280	880X480X1280
Weight	kg	105	138	175

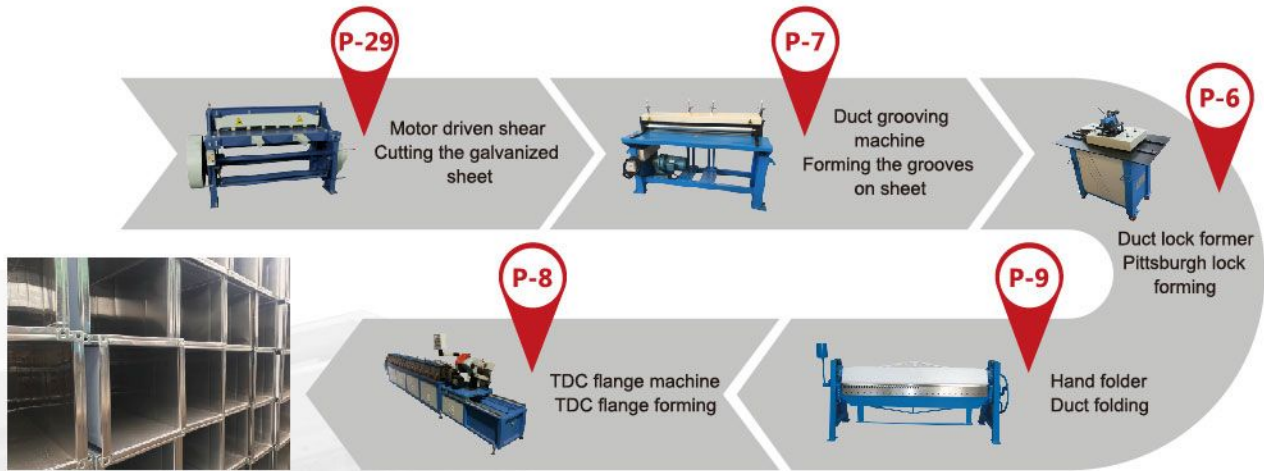
## Economic production for TDF duct



## Semi automatic production for TDF duct



## Economic production for TDC duct



## Semi automatic production for TDC duct



## Production of spiral duct



## Tandem hydraulic press brake



Electro-hydraulic servo system, closed loop controls slider running accuracy. The unique patented technology, bilateral deflection compensation of the large press brake. Open width adjustable inserts die to meet a variety of workpieces. A variety of auxiliary institutions could meet users requirements and make the process more convenient and efficient.



Model	Nominal Pressure (KN)	Length of Table (mm)	Distance between housings (mm)	Throat depth (mm)	Stroke (mm)	Ram speed (mm/s)	Open height (mm)	Motor (KW)	Oil (L)	Weight (kg)	Dimensions (m)
2-WE67K-320/6000	3200	6000	4800	720	250	70 7.5 75	830	22	2X1400	35500	6.2X4.6X5.1
2-WE67K-320/7000	3200	7000	5600	720	250	70 7.5 75	830	22	2X1400	38000	7.2X4.6X5.6
2-WE67K-400/7000	4000	7000	5600	720	320	60 7.5 60	830	30	2X1400	46000	7.2X4.6X5.9
2-WE67K-600/6000	6000	6000	4800	1000	320	70 7.5 75	1250	55	2X1400	62000	6.1X4.5X7.3
2-WE67K-800/6000	8000	6000	4800	1100	350	80 8 70	1250	55	2X2100	89000	6.2X8.1X6.6
2-WE67K-1000/6000	10000	6000	4800	1400	400	70 8 70	1350	2X45	2X2100	118000	6.3X8.1X6.6
2-WE67K-1200/7000	12000	7000	5600	1600	450	70 7 65	1550	2X45	2X2600	155000	7.1X8.1X7.8
2-WE67K-1200/9000	12000	9000	6500	1100	450	70 7 65	1200	2X45	2X2600	165000	9.3X8.1X7.7
2-WE67K-1600/7000	16000	7000	5600	1600	450	70 6.5 55	1550	2X55	2X3150	190000	7.2X5.9X7.9
2-WE67K-1600/9000	16000	9000	6500	1100	450	70 6.5 60	1200	2X75	2X3150	177000	9.3X8.1X8.3
2-WE67K-2000/9000	20000	9000	6500	1600	450	70 6.5 60	1550	2X75	2X3900	280000	9.3X9.1X8.8

## CNC electro-hydraulic synchro press brake



With stylish design, high rigidity, high speed. Electro-hydraulic servo system, closed loop control system controls accuracy. Worktable adopts hydraulic deflection compensation to ensure the accuracy of workpiece. Back gauge is driven by servo motor, adopted ball-screw and linear guide way, it could make sure position accuracy.



Model	Nominal pressure (KN)	Length of table (mm)	Distance between housings (mm)	Throat depth (mm)	Stroke (mm)	Ram Speed (mm/s)			Open height (mm)	Motor (kw)	Oil (L)	Weight (kg)	Dimensions (m)
WE67K-63/2500	630	2500	2050	250	200	110	9	90	460	7.5	300	6000	2.8X1.9X2.5
WE67K-80/2500	800	2500	2050	250	200	110	9	115	460	7.5	300	6200	2.8X1.9X2.5
WE67K-100/3200	1000	3200	2650	320	200	120	10	110	475	7.5	380	8700	3.5X2.0X2.6
WE67K-100/4000	1000	4000	3100	320	200	120	10	110	475	7.5	380	11000	4.3X2.0X2.9
WE67K-125/3200	1250	3200	2650	320	200	100	8.5	75	490	7.5	380	8900	3.6X2.0X2.7
WE67K-125/4000	1250	4000	3100	320	200	100	8.5	75	490	7.5	380	11300	4.3X2.2X2.9
WE67K-160/3200	1600	3200	2650	320	200	100	10	90	500	11	400	11000	3.2X2.1X3.0
WE67K-160/4000	1600	4000	3100	320	200	100	10	90	500	11	400	12300	4.1X2.1X3.0
WE67K-200/3200	2000	3200	2650	320	200	80	8	80	480	15	560	10300	3.5X2.2X3.0
WE67K-200/4000	2000	4000	3100	320	200	80	8	80	480	15	670	11500	4.2X2.2X3.0
WE67K-250/3200	2500	3200	2650	400	250	80	7	70	520	15	560	14500	3.5X2.3X3.1
WE67K-250/4000	2500	4000	3100	400	250	80	7	70	520	15	670	15800	4.3X2.3X3.1
WE67K-320/3200	3200	3200	2650	400	250	70	7.5	75	480	22	600	19500	3.8X2.6X3.4
WE67K-320/4000	3200	4000	3100	400	250	70	7.5	75	480	22	720	21000	4.6X2.6X3.4
WE67K-320/5000	3200	5000	4000	400	250	70	7.5	75	480	22	1000	24000	5.6X2.6X4.0
WE67K-320/6000	3200	6000	4800	400	250	70	7.5	75	480	22	1200	28500	6.1X2.6X4.6



E-21



DA-41



DA-52S



DA-56

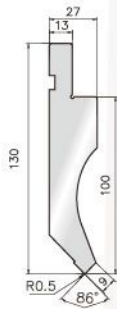


DNC-880S

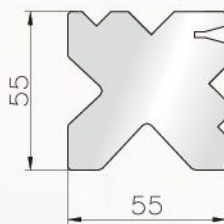


DA-66T

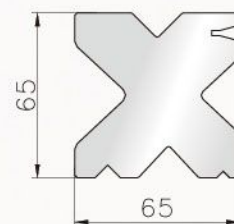
Standard upper mold



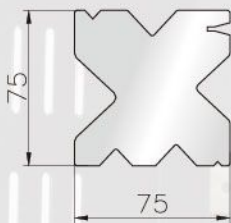
55X55 (40T)



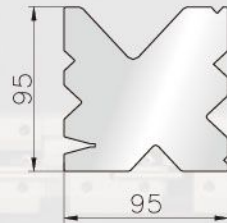
65X65 (50T)



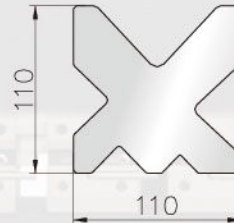
75X75 (63~80T)



95X95 (100~160T)



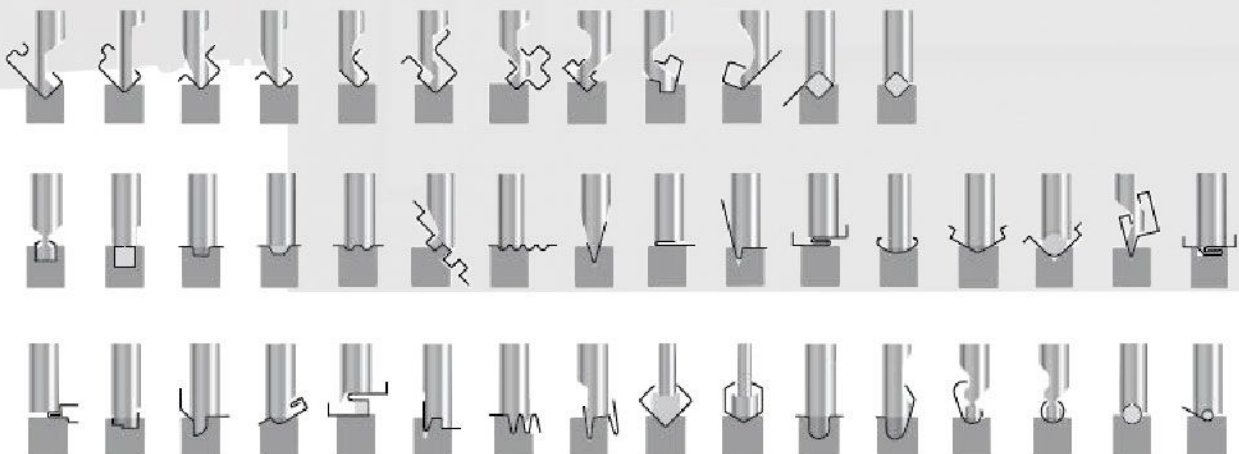
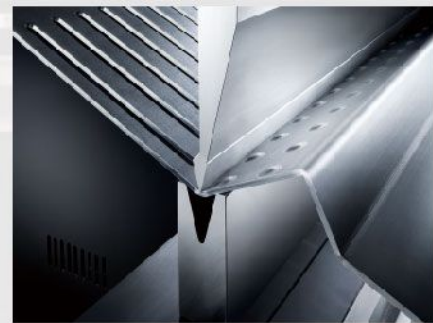
110X110 (200~250T)



Segment diagram for upper mold



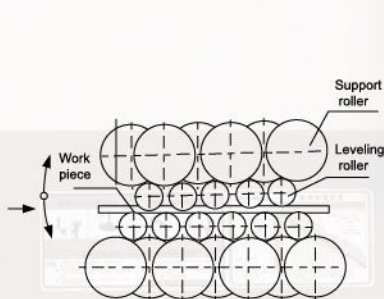
Segment diagram for lower mold



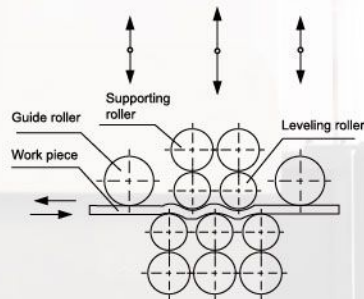
## WD leveling machine



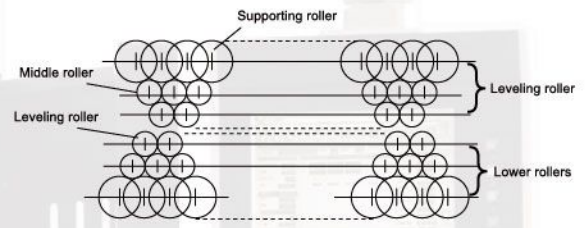
WD leveling machine is used in flattening plate in different thickness, width and yield strength. The surface of the plate is flat and smooth after flattened. The machine is easy for maintaining, and with good appearance and long using life time.



Rollers for unparallel roller row leveling machines



Rollers of parallel roller row leveling machine

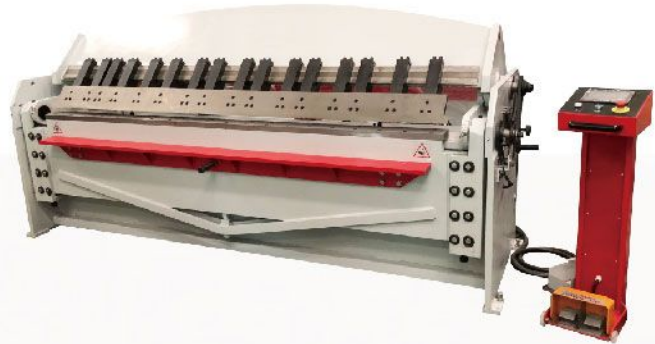


Six-fold roller-type leveling machine rollers

Model	Max Thickness (mm)	Min thickness (mm)	Width (mm)	Yield strength (Mpa)	Leveling roller diameter (mm)	Leveling rollers distance (mm)	No. of Leveling roller	Speed (m/min)	Motor (kw)
WD43M-1.2X1000	1.2	0.6	1000	240	40	42	19	10	7.5
WD43M-2.5X1250	2.5	0.8	1250	360	55	60	19	10	15
WD43M-3.0X1300	3	0.8	1300	280	60	65	17	10	15
WD43M-3.0X1600	3	0.8	1600	360	75	80	15	10	18.5
WD43M-4.0X1300	4	0.8	1300	360	75	80	15	11	22
WD43M-4.0X1600	4	0.8	1600	360	75	80	15	10	22
WD43M-6.0X1600	6	1.5	1600	360	95	100	13	8	30
WD43M-6.0X2000	6	1.5	2000	360	95	100	13	9	37
WD43M-8.0X1600	8	2	1600	360	120	125	13	9	37
WD43M-8.0X2000	8	2	2000	360	120	125	13	8	37
WD43M-10X1600	10	2.5	1600	360	140	150	13	9	37
WD43M-10X2000	10	2.5	2000	360	140	150	13	9	45
WD43M-12X1600	12	3	1600	360	140	150	13	9	45
WD43M-12X2000	12	3	2000	360	150	160	11	9	55
WD43M-16X1600	16	4	1600	360	160	180	11	7	63
WD43M-16X2000	16	4	2000	360	180	200	11	8	75
WD43M-16X2500	16	4	2500	360	180	200	11	7	75
WD43M-16X3200	16	4	3200	360	180	200	11	7	75
WD43M-20X2000	20	5	2000	360	200	220	9	7	63
WD43M-20X2500	20	5	2500	360	200	220	9	7	75
WD43M-20X3200	20	5	3200	360	200	220	9	6	75
WD43M-25X2000	25	6	2000	360	200	220	9	6	75
WD43M-25X3200	25	6	3200	360	260	300	9	6	90
WD43M-30X2000	30	6	2000	360	260	300	9	6	90
WD43M-30X2500	30	6	2500	360	260	300	9	6	90
WD43M-30X3200	30	8	3200	360	260	300	9	6	90
WD43M-40X2500	40	10	2500	360	340	400	7	5	110

## HB hydraulic folder

HB hydraulic folder is advanced machine with high quality, which is designed by years experience in machine manufacture. The folder has welded frame and vibration treatment to reduce distortion. The machine is fully hydraulic controlled, it is working quiet and easy to operate. The pressing blade can be subsection, it is suitable for manufacturing box type products with open height 200mm. The upper pressing blade can adjust the height automatically, the working angle can be adjusted promptly. It is suitable to use in kitchen ware, hardware and the furniture industry.



Model	Bending thickness (mm)	Bending length (mm)	Motor	Dimension (mm)	Weight (Kg)
HB-2.5X2500	2.5	2500	4	3000X750 X1500	1750
HB-4X1300	4.0	1300	4	1900X650 X1400	1250
HB-4X2500	4.0	2500	5.5	3100X810 X1550	2900
HB-4X3050	4.0	3050	5.5	3560X810 X1550	3800
HB-6X1300	6.0	1300	4	2000X750 X1550	2000
HB-6X2500	6.0	2500	7.5	3200X1200 X1450	3800



## WS Hand folder

Hand folder is suitable for small to medium volume workshops with special design of folding blade can bend different size of square duct. Locking system has two different types with Cam Lock and Gear Lock.

Model	Thickness (mm)	Width (mm)	Min. folding size(mm)	Weight (kg)	Dimensions (mm)
WS-1.5X1300B	1,5	1300	200X200	430	1800X750X1370
WS-1.5X1300BC	1,5	1300	200X200	430	1800X710X1400
WS-1.5X2000B	1,5	2000	200X200	630	2720X820X1360
WS-1.5X2000BC	1,5	2000	200X200	630	2720X820X1360
WS-1.5X2500B	1,5	2500	200X200	830	3150X800X1530



## MP Hand folder

Hand folder is suitable for small work shops, with special design of folding blade bending different size of sheet. Locking system is the type of Cam lock

Model	Thickness (mm)	Length (mm)	Weight (kg)	Dimension (mm)
MP-2X1250	2.0	1250	900	1850X600X1300
MP-2X2440	2.0	2440	1450	3000X700X1450





## Hydraulic folder



The machine is driven by hydraulic system stably. This machine is of all welded steel plate construction with a long working life.

The folding angle and blade gap can be adjusted quickly and easily. The auto hydraulic folding is easy for operating and safe, with single and step operation modes. The guard device is fixed. The hydraulic and electrical parts are from domestic or foreign famous companies with high stability and long using-life.



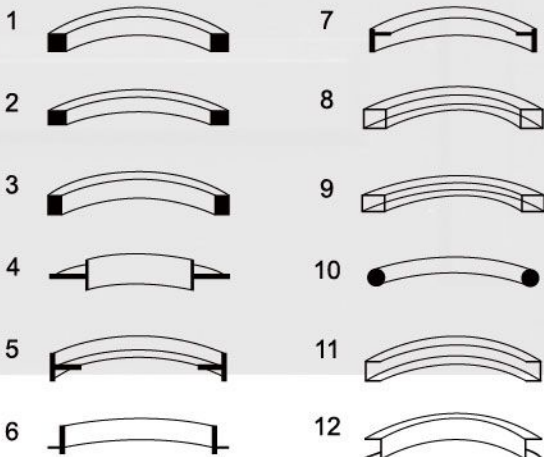
Description		Unit	W62Y-4X2000	W62Y-4X2500	W62Y-4X3100	W62Y-4X4100	W62Y-4X5100	W62Y-4X6100
Thickness	Mild	mm	0.2~4					
	Stainless	mm	0.2~2					
Folding length	mm		2000	2500	3100	4100	5100	6000
Max open height	mm		200					
Folding angle			0°~123°					
Frequency	Spm		8					

## Roll Bending Section Machine



The machine is an efficient processing machine which is specially designed to bend I steel, flat beam, solid bar, etc. It has three working rollers, the positions of the two bottom rollers can be adjusted along the arc. Assisting rollers are installed on both sides of the machine to control the work quality in the bending of proportional steel sections. The machine is reliable to operate with various functions and is an ideal bending machine that's adjustable and able to deal with different types of materials and specifications only by recombining the die settings. The machine offers low cost with flexibility and reliability.

Model	Unit	W24Y-400	W24Y-500	W24Y-1000
Yield limit	mm	<245	<245	<245
Min. bending dia.	mm	200-400	300-400	400-600
Capacity		L40X4	L50X5	L75X7
Overall size	L.mm	1000	1200	1320
	W.mm	750	750	950
	H.mm	1350	1580	1270
N.W/G.W	kg	500/600	900/1030	2500/2750
Main motor	kw	2.2/1.5	2.2/2.2	4/2.2



## Roll bending machine

W11 roll bending machine widely used in petroleum, chemical industry, cement, boiler, shipbuilding, aviation, water conservancy, power transmission towers and other machinery and equipment. Its working principle is rotating bending deformation. For the upper roller can be moved no matter up and down, but also horizontally, so no need additional press or equipment, can realize bending, as well as correction of the workpiece.



Model	Max. Rolling Thickness(mm)	Max. Rolling Width(mm)	Min. Diameter full-loaded(mm)	Up Roll Diameter(mm)	Down Roller Diameter(mm)	Main Motor Power(kw)	Weight (kg)	Dimensions (mm)
W11-3X2500	3	2500	380	160	140	4	1500	3100X800X1450
W11-3X3100	3	3200	350	170	135	4	2000	4100X800X1450
W11-4X1600	4	1500	300	140	120	4	2100	2600X800X1450
W11-4X2500	4	2500	360	160	160	5.5	3300	3100X800X1450
W11-6X2500	6	2500	380	185	170	5.5	4400	4200X1150X1500
W11-6X3100	6	3200	450	220	180	7.5	4600	4800X1150X1500
W11-8X2500	8	2500	550	200	180	5.5	4600	4299X1150X1500
W11-8X3100	8	3200	550	260	220	11	4900	4800X1150X1500
W11-10X3100	10	3200	600	270	230	11	5800	4800X1150X1500

## Compressive stress spinning machine

Compressive stress spinning machine produces various shapes such as in shapes of cylinder, cone, parabola, trumpet and bullet. It not only produces in large quantity, but also carries out the trial-manufacture testing and completes the trimming and rolling of the edge and contraction and extrusion of the products.

The machine is suitable for processing of the aluminum alloy plate, copper plate, steel plate, stainless steel plate and other materials.

This machine has introduced the user friendly advanced numerical program-control technology.



Models	Unit	PS-CNCSXY600	PS-CNCSXY800	PS-CNCSXY900
Max. Blank Circle Diameter	mm	620	800	900
Center Distance	mm	800	800	1000
Spindle size DIN 55027		Size 6HD	Size 8HD	A2-8HD
Servo spindle motor	kw	15	18.5	22
Servo spindle control	Rpm	2000	1800	1800
X axis travel distance	mm	DIA600	DIA800	DIA900
Z axis travel distance	mm	600	700	800



## Corrugated steel pipe manufacture machine



**CORRUGATED STEEL PIPE MANUFACTURE LINE** is a main line to produce helical corrugated steel pipe with continuous lock-seam to provide customers with the strongest and most hydraulically efficient pipe available. The available diameter ranges from  $\phi 300\text{mm}$  to  $\phi 3600\text{mm}$  and the wall thickness from 1.6mm to 4.5mm, max length 12m. It shears particular length by auto pipe cutting system according to requirement. Remote operation control is available with easy control. In addition, there are special functions such as diagnosis, programmable logic, data save and working automatically.



Specification	Unit	68-13	75-25	125-25	150-50	200-55	
Thickness	mm	1.6-3.0	1.8-3.2	2.8-4.2	2.8-4.5	2.8-4.5	1.8-3.0
Diameter	mm	300-1700	1000-3000	1300-3500	2000-4500	2000-5000	500-2500

## GA High speed fiber laser cutting machine

Specially used for cutting 0.5-20mm carbon steel, 0.5-10mm stainless steel, 0.5-6mm brass, 0.5-10mm aluminum, 0.5-4mm copper, as well as galvanized steel, electrolytic steel and silicon steel etc (thicknesses are related to the kinds of materials and fiber source power)

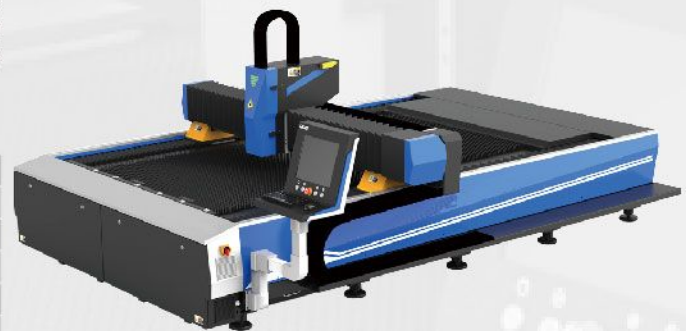
Descriptions	Unit	Model G3015A
Processing Area	mm	3000mmX1500mm
Max.Cutting Speed	m/min	140
Max. accelerated	G	1.2
X/Y Positioning Accuracy	mm/m	0.05
X/Y Repeated Positioning Accuracy	mm	±0.05
Power supply		380V 50Hz
Laser power	W	1000-3000
Gross power		< 10KVA (not include fiber laser generator or water chiller)



## Gear and dual drive fiber laser cutting machine

Gear and dual drive fiber laser cutting machine specially used for cutting 0.5-14mm carbon steel, 0.5-5.0mm stainless steel, galvanized steel, electrolytic zinc-coated steel sheet, silicon steel, 0.5-3.0mm aluminum, 0.5-2.0mm brass and red copper and other kinds of thin metal sheets(the thickness and material depend on different fiber laser source).

Description	Unit	G3015C
Processing Area	mm	3000X1500
Max.Cutting Speed	m/min	100
Max. accelerated	G	1.0
X/Y Positioning Accuracy	mm/m	0.05
X/Y Repeated Positioning Accuracy	mm	±0.05
Power supply		380V 50Hz
Laser power	W	500-1000

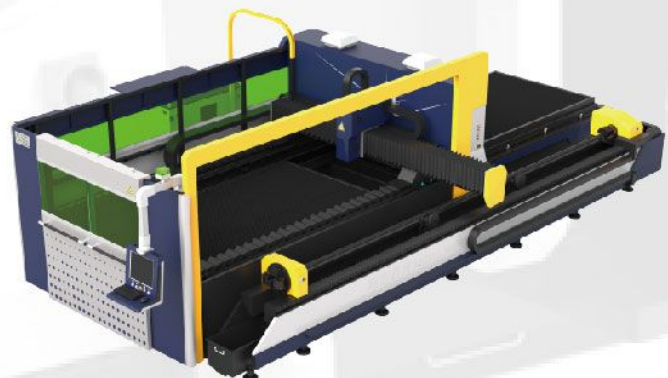


## Pipes and plates fiber laser cutting machine

Professionally cutting square pipes, round pipes, rectangle pipes D-shaped pipes and hexagon pipes etc. Cutting capacity-square pipes: 20\*20-150\*150mm, round pipes: Φ20-Φ219mm, thickness 0.5-5mm carbon steel pipes, 0.5-5mm stainless steel pipes.

Professionally cutting 0.5-20mm carbon steel, 0.5-10mm stainless steel, 0.5-8mm brass, 0.5-10mm aluminum, 0.5-4mm copper, as well as galvanized steel, electrolytic steel and silicon steel etc (thicknesses are related to the kinds of materials and fiber source power)

Descriptions	Units	G3015E-F30
Processing Area	mm	3000X1500 (optional)
Laser power	W	500-3000
Max. moving speed	m/min	60
Max. acc. speed	G	0.5
Positioning Accuracy	mm/m	0.05
Reposition Accuracy	mm	±0.05



## Pipes fiber laser cutting machine



Professional for square pipe, round pipe, rectangle pipe, oval pipe waist-shaped pipe and D-shaped pipe and hexagon pipe cutting. Square pipe: □20\*20-□150\*150mm, round pipe: Φ 20-Φ210mm; Cutting thickness: 0.5mm-10mm carbon steel pipe, 0.5-10mm stainless steel pipe (thicknesses are related to the kinds of materials and fiber source power)

Descriptions	Units	TH65
Processing Area	mm	Φ20-Φ210*6500 □20*20-□150*150*6500
Laser power	W	1000-4000
Max. moving speed	m/min	100
Max. acc. speed	G	1.0
Positioning Accuracy	mm/m	0.05
Reposition Accuracy	mm	±0.05mm
Machine loading weight	Kg	3000

## CNC plasma cutting machine



This equipment is highly efficient, highly precise and highly reliable heat cutting machine, combining with the best mechanical drive and oxygen & plasma cutting technology, it is mainly used for profile cutting.

Type	Unit	Parameter
Rail span	mm	3000-12000
Rail length		According to user needs
Drive way		Double drive
CNC torch quantity	group	1-2 (include initial alignment and anti-collision device)
Laser positioning	group	1

## CNC Multi head flame cutting machine



Main machine assembly including: rack, transverse beam, moving parts, pipe parts, transverse slide line rack, vertical and transverse transmission parts and so on. Rail assembly including : main rail and assistant rail and accessories, 14 meters per pair. Cutting torch assembly including: single cutting torch assembly 11 groups and accessories. Electric control assembly including : electric cabinet, longitudinal and transverse motors and accessories. Gas assembly including: general pipe for three ways of gas supply, electromagnetism valve, pressure gauge, temper preventing equipment and so on.

Type	Unit	GS Single drive	GS Double drive
Rail span	mm	3000-4000	5000-12000
Rail length		According to user needs	
Drive way		Single drive, Double way	
CNC torch quantity	groups	2-4	
Straight torch quantity		9-13	9-30

## Q11 foot power shear

Q11 is all steel welded construction. Simple construction with good appearance. It is easy for operation with low energy consumption. Widely used for medium and thick steel sheet forming in the light machine industry, hard ware manufacture. The blade is made from special steel.

Model	Cutting thickness (mm)	Cutting length (mm)	Shear angle (°)	Dimension (mm)	Weight (Kg)
Q11-1.6X1300	1.6	1300	2	1700X680X1150	410
Q11-1.0X2000	1.0	2000	2	2400X680X1150	756
Q11Y-1.2X2470	1.2	2470	2	2850X680X1000	800
Q11Y-2.0X1000	2	1000	2	1400X680X1150	352



## Q11 motor driven shear

Q11 motor driven shear is all steel welded construction. Simple construction with good appearance. It is easy for operation with low energy consumption. Widely used for medium and thick steel sheet forming in the light machine industry, hard ware manufacture. The blade is made from special steel.

Model	Cutting thickness (mm)	Cutting length (mm)	Strokes (cycle/min)	Backgauge range (mm)	Shear angle (°)	Motor
Q11-4X1300	4.0	1300	28	500	2	4
Q11-4X2000	4.0	2000	28	500	2	7.5
Q11-4X2500	4	2500	28	500	2	7.5
Q11-4X3100	4	3100	28	500	2	11
Q11-6X1550	6	1550	28	500	2	7.5
Q11-8X2050	8	2050	28	500	2	11



## Motor driven shear

The machine with all-steel welded construction. Simple construction with good appearance. It is easy to operate, with low energy consumption. It is widely used for medium and thick steel sheet forming in the light machine industry, hardware manufacture.

Model	Unit	Q11-2X2000	Q11-3X1300	Q11-4X2500
Mile steel	mm	0.5 - 4.0	0.5 - 2.0	0.5 - 3.0
Stainless steel	mm	0.5 - 2.0	0.5 - 1.0	0.5 - 1.5
Shearing Length	mm	2000	2500	1300
Shearing Angle	°	1°30	1.5°	1°30
Shearing Cycle	Per minute	18/min	18/min	18/min



## Hydraulic notching machine



This machine with fast shearing speed, small dimensions but compact structure, single and stepping function, and the stroke of upper die frame can be adjusted to improve shearing efficiency. There is a safe device which is fixed type. The components of hydraulic and electrical system are famous brand from domestic or foreign with high reliability and life span.

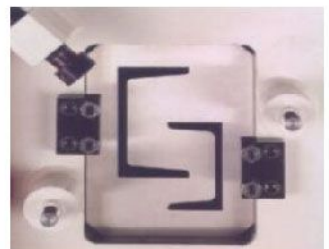
Description	Unit	Q28A-4X250	Q28B-4X220
Fixed shearing angle		90°	
Blade length	mm	250	
Max shearing thickness ( $\sigma_b=450\text{MPa}$ )	mm	4	4
Max notching length	mm	250	
Stroke(when max shearing length)	spm	40	36
Dimensions of work table	mm	810x700	810x750

## Hydraulic ironworker



The use of hydraulic transmission, the rack for the steel welded structure, there is sufficient strength and steel. Can be on the plate, square steel, round steel, angle steel, channel steel, I-beam cutting, punching, mold cut slot. And equipped with bending and shearing device. Punching hole can be selected red hole, angle steel channel steel punching, shutters, pipe cutting, composite punch and so on. Can be customized according to customer needs single punch or single shear machine.

Model	Q35Y-16	Q35Y-20	Q35Y-25	Q35Y-30	Q35Y-40	Q35Y-50
Working pressure (KN)	660	900	1200	1650	2000	2500
Max. cutting thickness (mm)	16	20	25	30	35	40
Max. cutting length (mm)	400	480	600	600	700	700
Tensile strength (N/mm <sup>2</sup> )	≤450	≤450	≤450	≤450	≤450	≤450
Shear angle (deg)	7	8	8	8	8	8
Stroke of ram (mm)	80	80	80	80	80	80
stroke times (min)	8	8	6	6	6	6
Depth of throat (mm)	300	355	400	600	550	600
Max.Capacities (mm)	Φ29×16	Φ31×20	Φ33×25	Φ38×30	Φ40×35	Φ44×40
Main motor (KW)	4	5.5	7.5	11	15	18.5
Length of machine tool (mm)	1630	1860	2350	2680	2700	3000
Width of machine tool (mm)	730	800	960	1040	1040	1450
Height of machine tool (mm)	1770	1900	2090	2300	2200	2550
Weight of machine tool (kg)	1800	2300	4500	6200	6800	9000



## Hydraulic swing beam shear



The upper cutting beam moves at an angle and along an arc in relation to the bottom, which provides an accurate cut on any metal thickness. Sturdy constructions, the frames and beams prevent deflection and provide quality cutting. The knife lowering timer allows increase the number of cuts per minute when working with small sheets. The controller controls the amount of knife lowering when cut not for the entire length of the blades, but also positions rear stop depending on the set parameters in cutting sheet. In the controller memory is stored information about cut materials and cutting sheets.



MODEL	THICKNESS (MM)	LENGTH (MM)	DISTANCE BETWEEN UPRIGHTS (MM)	STROKES (CYCLE/MIN)	BACKGAUGE RANGE (MM)	SHEAR ANGLE (°)	WORKING TABLE HEIGHT (MM)	THROAT DEPTH (MM)
QC12Y-4X2500	4	2500	2710	25	800	1.5	800	250
QC12Y-4X3200	4	3200	3410	20	800	1.5	800	250
QC12Y-6X2500	6	2500	2720	20	800	1.5	800	250
QC12Y-6X3200	6	3200	3420	18	800	1.5	800	250
QC12Y-6X4000	6	4000	4220	15	800	1.5	800	250
QC12Y-8X2500	8	2500	2760	14	800	1.5	800	250
QC12Y-8X3200	8	3200	3460	12	800	1.5	800	250
QC12Y-8X4000	8	4000	4260	10	800	1.5	800	250
QC12Y-12X2500	12	2500	2755	12	800	1.5	810	320
QC12Y-12X3200	12	3200	3465	9	800	1.5	810	320
QC12Y-12X4000	12	4000	4265	7	800	1.5	810	320



## Hydraulic guillotine shear



The upper cutting beam moves at an angle and along an arc in relation to the bottom, which provides an accurate cut on any metal thickness. Sturdy constructions, the frames and beams prevent deflection and provide quality cutting. The knife lowering timer allows increase the number of cuts per minute when working with small sheets. The controller controls the amount of knife lowering when cut not for the entire length of the blades, but also positions rear stop depending on the set parameters in cutting sheet. In the controller memory is stored information about cut materials and cutting sheets.



Model	Thickness(mm)	Length(mm)	Shear angle(°)	Clamps	Stroke	Backaguage(mm)	Main motor(kw)	Oil(L)
QC11Y/K-6X2500	6	2500	0.5-2	14	12	20-600	7.5	275
QC11Y/K-6X3200	6	3200	0.5-2	16	9	20-600	7.5	300
QC11Y/K-6X4000	6	4000	0.5-2	20	10	20-600	11	447
QC11Y/K-8X3200	8	3200	0.5-2	16	8	20-600	11	293
QC11Y/K-8X4000	8	4000	0.5-2	20	10	20-600	15	480
QC11Y/K-12X2500	12	2500	0.5-2.5	14	8	20-800	15	365
QC11Y/K-12X3200	12	3200	0.5-2.5	15	8	20-800	15	387
QC11Y/K-12X4000	12	4000	0.5-2.5	20	8	20-800	22	760
QC11Y/K-16X2500	16	2500	0.5-3	12	7	20-800	22	411
QC11Y/K-16X3200	16	3200	0.5-2.5	15	7	20-800	22	473
QC11Y/K-20X2500	20	2500	0.5-3	12	6	20-1000	30	603
QC11Y/K-20X3200	20	3200	0.5-3	15	6	20-1000	30	650
QC11Y/K-25X2500	25	2500	0.5-3	12	5	20-1000	45	980

## Cut to length line

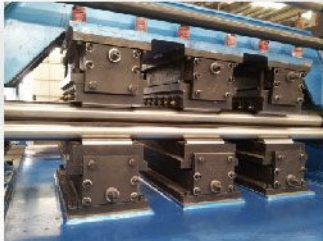
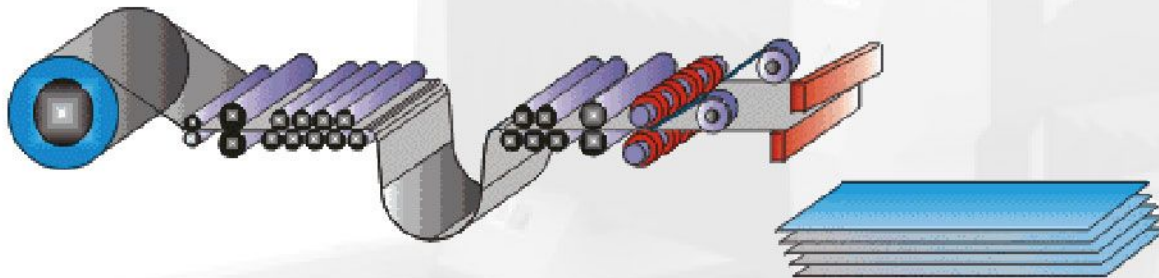
Cutting line for cutting flat rectangular blanks from main coils. For widths of up to 3000 mm, thicknesses of up to 25 mm and speeds of up to 150 m/min.

The lines can be supplied with start-stop shears, flying shears rotating shears or continuous direct feed. Air cushion, bomb-door type, electromagnetic or vacuum stackers.

High-precision levellers of four, five and six heights, computer controlled. Edge trimming may be incorporated..

Totally computer-controlled with diagnosis, automatic coil feed and quality control.

For carbon steel, exposed and non exposed material, stainless steel, pre-painted steel, aluminium and other metals.



MODEL	PROCESS MATERIAL	THICKNESS (mm)	WIDTH (mm)	INNER DIAMETER (mm)	OUTTER DIAMETER (mm)	COIL WEIGHT (T)	TRANSVERSE CUTTING SCOPE (mm)	LENGTH PRECISION (mm)	
2.0×500	1.STAINLESS	0.2-2.0	200-500	Φ508	≤Φ1200	≤6	300-1500	±0.5	
2.0×650	STEEL	0.2-2.0	200-650	Φ508	≤Φ1200	≤6	300-1500	±0.5	
2.0×1300	2.COLD	0.3-2.0	500-1300	Φ508/610	≤Φ1500	≤15	500-3500	±0.5	
2.0×1600	ROLLED STEEL	0.3-2.0	500-1600	Φ508/610	≤Φ1600	≤15	500-4000	±0.5	
2.6×1850	3.GALVANIZED	0.5-2.6	400-1850	Φ508/610	≤Φ1500	≤20	400-4000	±0.5	
3.0×1600	STEEL	0.3-3.0	500-1600	Φ508	≤Φ1500	≤20	500-4000	±0.5	
4.0×1600	1. HOT ROLLED STEEL	0.6-4.0	600-1600	Φ508/610	≤Φ2000	≤20	1000-12000	±1.0	
6.0×1600		1.0-6.0	600-1600	Φ508/610	≤Φ2000	≤30	1000-12000	±1.0	
8.0×1600		2.0-8.0	600-1600	Φ508/610	≤Φ2000	≤35	1000-12000	±1.0	
9.0×1600		2.0-9.0	600-1600	Φ508/610	≤Φ2000	≤20	1000-12000	±1.0	
10×1600		2.0-10	800-1600	Φ508-Φ760	≤Φ2000	≤35	1000-12000	±1.0	
2×2000		2.Q235,Q345,B510	3.0-12	1000-2000	Φ508-Φ760	≤Φ2000	≤35	1000-12000	±1.0
12×1800		3.HOT ROLLED	3.0-12	800-1800	Φ508-Φ760	≤Φ2200	≤35	1000-12000	±1.0
16×2000		STAINLESS STEEL	4.0-16	1000-2000	Φ610-Φ760	≤Φ2200	≤35	1000-12000	±2.0
20×2200			5.0-20	900-2200	Φ610-Φ760	≤Φ2200	≤35	1000-12000	±2.0
22×2200			5.0-20	900-2200	Φ610-Φ760	≤Φ2200	≤35	1000-12000	±2.0
25×2200		5.0-20	900-2200	Φ610-Φ760	≤Φ2200	≤35	1000-12000	±2.0	

## Slitting line

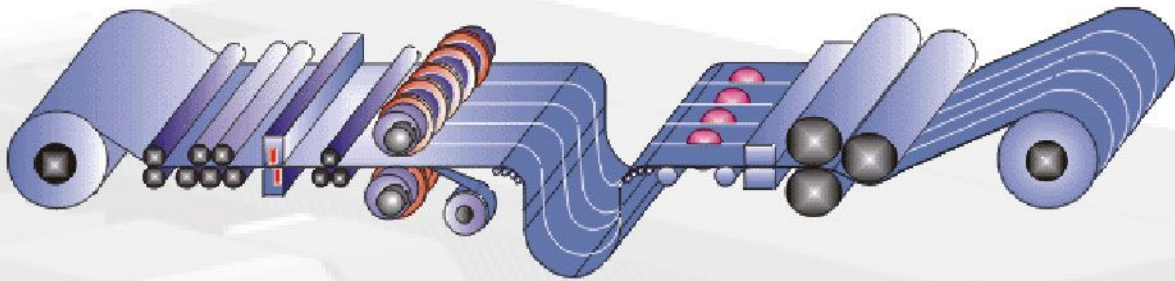


Slitting line for cutting narrow coils from main coils. For widths of up to 3000 mm, thicknesses of up to 25 mm and speeds of up to 120 m/min or more.

The lines are composed of high-precision slitters with quick tooling change for slitter, tensioning device and recoiler. High-capacity recoilers . Extraction from coils without banding. Scrap ballers or scrap choppers. Moving tensioning devices with incorporated levelling.

Totally computer-controlled with diagnosis, automatic coil feed and quality control.

For carbon steel, exposed and non exposed materials , stainless steel, pre-painted steel, aluminium and other metals.



MODEL	PROCESS MATERIAL	THICKNESS (mm)	WIDTH (mm)	INNER DIAMETER	OUTTER DIAMETER	COI WEIGHT(T)	SLITTING QUANTITY (pc)	SLITTING WIDTH (mm)
1.0×360	1.MILD STEEL 2.STAINLESS STEEL 3.COPPER 4.ALUMINUM 5.SPECIAL STEEL	0.1-1.0	100-360	Φ250/Φ300 Φ400/Φ500	≤Φ1200	≤2.5	≤12	≥6
1.2×500		0.15-1.2	100-500	Φ300/Φ500	≤Φ1200	≤3	≤14	≥20
2.0×650		0.2-2.0	150-650	Φ508	≤Φ1500	≤6	≤16	≥20
2.0×850		0.2-2.0	200-850	Φ508	≤Φ1500	≤10	≤16	≥20
2.0×1000		0.2-2.0	300-1000	Φ508	≤Φ1500	≤15	≤24	≥20
2.0×1250		0.15-2.0	500-1250	Φ508	≤Φ1500	≤15	≤24	≥20
2.0×1600		0.2-2.0	500-1600	Φ508/610	≤Φ1500	≤20	≤32	≥20
3.0×650		0.2-2.0	200-650	Φ508/610	≤Φ1500	≤15	≤12	≥20
3.0×1250		0.3-2.75	500-1250	Φ508	≤Φ1500	≤15	≤12	≥20
3.0×1600		0.4-3.0	600-1600	Φ508/610	≤Φ1500	≤20	≤24	≥30
4.0×1600		0.5-4.0	800-1600	Φ508/610	≤Φ1500	≤25	≤24	≥30
6.0×800		1.0-6.0	200-800	Φ508/610	≤Φ1500	≤15	≤24	≥30
6.0×1600		1.0-6.0	800-1600	Φ508/610	≤Φ1500	≤25	≤24	≥40
9.0×1600		2.0-9.0	800-1600	Φ508/610	≤Φ2000	≤25	≤12	≥60
12×2000		3.0-12.0	1000-2000	Φ508/610/760	≤Φ2000	≤35	≤6	≥200

## Economic cut to length machine

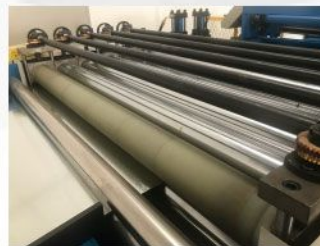
Economic cut to length machine is designed for small and medium volume workshops. It is used to work with coiled metal weight up to 6 tons, thickness up to 1,5 mm.

The machine provides high efficiency production of leveling steel sheet with particular dimension. The production process can be managed by one operator. The quantity and the parameters of the required products are inserted directly through the Touch Screen with a convenient and easy management interface.

The economic cut to length machine can work with material of galvanized sheet, cold sheet and stainless steel sheet. With maximum working speed 15m/min, it is stable for working performance and easy operated, which is suitable for small or medium production capacity in the factory.



Model	Thickness(mm)	Width(mm)	Max coil weight(kg)	Inner dia of coil(mm)	Outer dia of coil(mm)
AML-1250	0.5-1.5	1000-1250	6000	508	1300
AML-1550	0.5-1.5	1220-1550	6000	508	1300



## Expanded mesh machine



Expanded mesh machine services to construction, hard work, doors, machine protection by punching and forming the steel mesh with different size. It adopts the structure of turn key clutch, brake and spring balance advice. Feeding device transferred by stepper motor making sure the machine starts from zero and cut the sheet in any range. It is combined with machine frame, transmission device, clutch, blade frame, feeder and electronical parts.



Description	Unit	1.0-600	1.0-1000	1.5-1250	2.0-1500	2.5-2000	4.0-1300	4.0-2000	6.0-2500	8.0-2000
Material		Galvanized steel, Stainless steel, Aluminum steel								
Max width of material	mm	600	1000	1250	1500	2000	1300	2000	2500	2000
Power of machine	T	6.3	63	63	63	63	125	125	160	260
Max thickness	mm	1.0	1.0	1.5	2.0	2.5	4.0	4.0	6.0	8.0
Working capacity	Times/min	260	260	150	120	70	85	60	40	40
Motor power	kw	2.2	5.5	5.5	11	11	15	15	22	55
Dimension	mm	1200X900	1600X1000	1940X1600	2870X1000	3500X2400	2500X1800	3600X2500	5500X3300	4400X3500
		X1700	X1700	X2010	X2140	X2300	X2400	X3000	X1750	X2700
Weight	kg	2000	3000	3000	6000	100000	50000	120000	180000	260000

## H beam assembly machine

HGZ series H beam assembly machine is used for assemble different kinds of H beam such as symmetry, variable cross-section H beam. It adopts hydraulic motor drive screw to realize self-centering.

HGS series H-beam assembly machine is applicable to assemble different kinds of H beam such as symmetry, dissymmetry, eccentricity and variable cross-section H beam. It adopts one-side manual or electrical linkage rod adjustment and the other side hydraulic pressing. This machine is easy operation and reliable running.

HG series H-beam assembly machine is applicable to assemble different kinds of H beam such as symmetry, dissymmetry, eccentricity and variable cross-section H beam. It adopts one-side manual or electrical linkage rod adjustment and the other side hydraulic pressing.



Type	Unit	HGZ	HGS	HG
Flange width	mm	150~800	200~1000	200~800
Web height	mm	200~1800/2000	200~2000/2500	200~1800/2000
Assembly speed	m/min	0.5~0.8	0.5~0.8	0.5~0.8
Max walking speed	m/min	6000	6000	6000
Input conveyor length	mm	11000	15000	12500
Output conveyor length	mm	11000	15000	12500

## H beam flange straightening machine

For welded H beam, it is inevitably that flange plate will be deformed during welding and heating process.

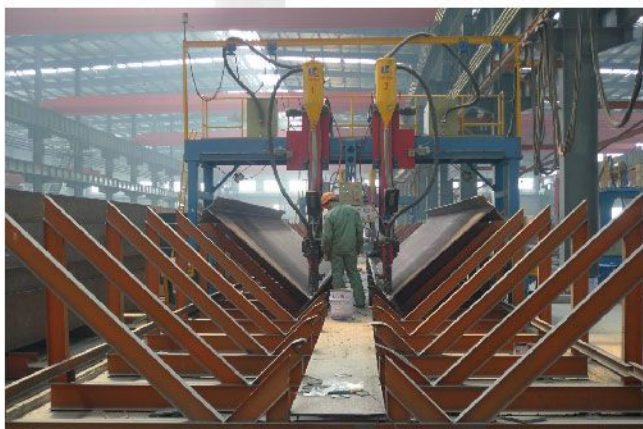
This machine is professional equipment for flange plate straightening. Because of its easy operation and high efficiency, it is widely used in metallurgy & construction, metal structure, hydraulic machinery and industrial installation Etc industries. The flange straightening machine is compact structure, easy to operate and maintenance. And the straightening efficiency is high and quality is good, is the ideal equipment for straightening H beam.

JZ H-beam flange straightening machine

Type	Unit	JZ-30	JZ-40A
Min. web height	mm	180	200
Flange height	mm	140-600	200-800
Flange thickness	mm	5-30	6-40
Straightening speed	m/min	7800	9000
Workpiece material		Q235	Q235
Transmission motor power	Kw	5.5	11
Total installed capacity	Kw	7	13.2
Main machine overall dimension	mm	2650x850x1500	3500x1100x1900



## Submerged arc welding machine



Both side adopt AC inverter motor-inverter control drive, can achieve a wide range of speed adjust, breaking contradiction of walking travel high speed and operation low speed. Beam is equipped with vertical moving device on both side to drive welding head; use machinery gear rack to adjust the Position of machine head; tw-man agency and guide wheel consist of arc guiding device, welding position accurately, so welding seam quality is high. Left and right fine adjusting device on the arcing device is used to manual adjust, make use of the resilience of the spring to achieve a small range of arc guiding automatically tracking. All control cable, welding cable, air tube through the pulley delivered randomly to ensure the effectiveness of stroke. Flux recovery system work independently, maximum accommodate 50Kg flux; wire reel is mounted with 200Kg of wire shelf, users can Self prepare wire reel which is smaller than 200Kg.

Type	Unit	XMHA-1600	MZGT-1600	MHJB	MZG
Machine structure		cantilever trolley	double cantilever trolley	gantry	gantry
Applicable Width	mm	200-800	200-1000	200-800	200-800
H-beam Height	mm	200-1500	200-2500	200-2500	200-2500
size Length	mm	2000-15000	2000-15000	2000-15000	2000-15000
Rail span	mm	1600	1600	4000/5000/6000	4000/5000/6000
Rail length	mm	18000 (based on customer's need)	18000 (based on customer's need)	18000 (based on customer's need)	18000 (based on customer's need)
Welding speed	mm/min	300-600	300-600	300-600	300-600
Walking speed	mm/min	3000	3000	3000	3000
Welding position		Fillet welding	Fillet welding	Fillet welding	Fillet welding
Applicable welding wire size	mm	3.2-5	3.2-5	3.2-5	3.2-5
Applicable wire reel specification	kg	25-350	25-350	25-350	25-350
Welding flux recycling machine	kw	3	3	3	3

## H beam production line



Ordinary H-beam production line is mainly composed of cutting machine, assembly machine, gantry welding machine, straightening machine, shot blasting machine and other main equipment, the production process is single machine and independent operation, more flexible and can arbitrarily add equipment at different process section to improve overall operating efficiency. But during station transfer, should rely on lifting equipment and require workshop with a certain lifting capacity.

Description	Model	Qty
Multi-head flame cutting machine	GS/Z-4000	1
H-beam assembly machine	HG-1800II	1
H-beam cantilever type automatic submerged arc welding machine(4m)	MZG-4000	2
H-beam flange straightening machine	JZ-40	1
Shot blasting machine	HP0816-8	1

## Bilateral double-headed milling machine

Type	Unit	XBJ-6S	XBJ-9S	XBJ-12S	XBJ-15S
Processing plate thickness	mm	6~50			
The maximum milling depth at one time	mm	4			
Head milling angle	°	0~45 (conventional)			
Milling head speed	Rpm	80~400(8-level exchange gear)			
Milling feed rate	m/min	0.25~0.6			
Fast forward speed	m/min	2			
Main milling power	Kw	5.5X2			
Traveling motor power	Kw	3X2			
Lift motor power	Kw	0.75X2			
Electric power of hydraulic station	Kw	3			
Hydraulic system working pressure	Mpa	Top material:7 Binder:4			
Effective milling length	m	6	9	12	15
Number of hydraulic cylinders	No.	9	13	17	21



The series of edge milling machine use the milling process, instead of the original planing process, applicable for straight edge, bevel, thick plate V-shaped groove milling I before welding plate, greatly improve production efficiency and product quality, at the same time also reduce the cost, is the preferred product for pressure vessel, shipbuilding, electric power, petroleum, chemical and machinery industries.

This machine mainly consists of the bed component, pressure beam assembly, retractable mechanism, milling head, cutter head lifting mechanism, hydraulic and electric control system. Add steel hydraulic retainer mechanism on machine bed, convenient for material feeding and blanking; upper pressure beam assembly adopt full hydraulic pressure to compact, operate safety and reliable; mobile feed mechanism use frequency variable speed, can easily achieve milling feed speed regular, cutter can 0 ~ 45 °adjust, electric lifting adjust cutter height, the rail mounting type is removable type, and through heat treatment, bed structure is more reasonable, and milling head work more stable and reliable.

## End milling machine

DX series face milling machine applies special milling power head, high-strength welded body and elevating column, equipped with FC system driver, PLC process control, so as to achieve automatic milling. It adopts standard or formed Milling knife and can meet technical requirement of many faces. Equipped with different work table according to requirement of different workpiece, this machine can process face of H beam, Box beam or any other large face.

It is widely used in electric power, petroleum & chemical industry, bridge building, power station building and boiler etc fields.



Type	Unit	DX0816	DX1224	DX1416	DX1520
Height of plate processed	mm	800	1200	1400	1500
Width of plate processed	mm	1600	2400	1600	2000
Max. Milling depth at one time	mm	1600			
Horizontal feeding speed		200~650			
Vertical feeding speed		200~650			
Diameter of knife	∅	200(12 gears)			
Horizontal fast speed		1500~2000			
Vertical fast speed		1500~2000			
Main milling power	Kw	5.5			
Spindle rotating speed		80~400(8 level change gear)			
Horizontal feeding power	Kw	4			
Vertical feeding power	Kw	3			
Motor power of hydraulic station	Kw	3			
Work pressure of hydraulic system	Mpa	4			





## CNC drilling machine for beams



Normal machine for drilling beams' web and flange simultaneously. Roller type feeding and CNC measuring along longitudinal direction.

Malformation examination for webs and flanges. Horizontal and vertical clamping for H-beams.

As for left and right spindles, one of them is fixed and the other can do horizontal movement so as to drill the workpiece of different size.

The high-quality atomizing cooling system is of high quality that ensures the cooling and lubricating when drilling so that it can prolong the drill's life.

Main components in control system are all world famous brands with high quality which ensures the reliability of machine.

Programming, storing, display, selection and communication are convenient by using host computer.

Clamping workpiece, drills feeding, are mainly driven by hydraulic system. Main components in hydraulic system are all world famous brands with high quality that ensures the reliability of the machine.



Type	Unit	SWZ400/9	SWZ700D	SWZ1000A	SWZ1000C	SWZ1250B	SWZ1250C
Width of web	mm	100~400	100~700	150~1000	150~1000	150~1250	150~1250
Height of flange	mm	75~300	75~400	75~500	75~500	75~600	75~600
No. of drilling shaft	Qty	9	3	3	3	3	3
Max. drilling diameter	mm	φ30/40	φ30	φ26.5/33.5	φ26.5/33.5	φ26.5/33.5	φ26.5/33.5
Max. rotating speed	rpm	560	560	560	560	560	560
Main power	Kw	5.5	4	4	4	4	4
Digital axis	Qty	4	4	7	7	7	7
Feeding	Conveyor	Rolling feeding	Rolling feeding	Rolling feeding	Conveyor	Rolling feeding	Conveyor

## CNC drilling machine

The cnc drilling uses centralized lubricating system to make sure all the function parts being well lubricated and improve the performance and extend the lifetime of the machine. It works with high efficiency and high precision and good stability. It is easy to operate.

This cnc drill machine uses stroke self-controlled drilling unit. Rapid feeding, working feed and rapid withdrawing are transformed automatically without presetting any parameters manually such as the length of the drill and the thickness of the workpiece before operating, so that the machine is easy to operate.

Workpieces are clamped tightly by hydraulic clamps. For small workpieces the machine can clamp four groups together so as to reduce the preparation period of production and improve the efficiency.



Type	Unit	PD16C	PD30B	PLD2012	PLD2016	PLD2016A	PLD3016	PLD3016B
Max. size of work piece	mm	1650X1000	3000X1600	2000X1200	2000X1600	2000X1600	3000X1600	3000X1600
Thickness	mm	15-80	15-80	15-100	15-100	15-100	15-80	15-80
Main shaft feeding		Hydraulic	Servo	Servo	Servo	Servo	Servo	Servo
No. of blade on shaft	No.	1	1	1	1	1	1	1
Drilling diameter	mm	φ12-50	φ12-50	φ12-50	φ12-50	φ12-50 φ15-40	φ12-50	φ12-50 φ15-40
Rotating speed	Rpm	120-560	120-560	120-560	120-560	120-900	120-560	120-900
Main power	Kw	5.5	5.5	5.5	5.5	7.5	5.5	7.5
Axis	Qty	2	2	3	3	3	3	3

## CNC band sawing machine for beams

This band saw machine can process the H beam with full-automation, mainly for sawing H-beams, channel beams etc, with strong rigidity bridge totally-enclosed sawing device and powerful spindle motor. The band saw cutting machines can save man-made marking process, so increases production efficiency. The band saw machines saws steadily, and the sawed section is straight, with good appearance. Also, it is easy to operate, can fully satisfy customers' needs.



Type	Unit	BS750	BS1000	BS1250	DJ1000	DJ1000C	DJ1250	DJ1250C	DJ1250D
Max size on 90°	mm	750X450	1000X500	1250X600	1000X500	1000X500	1250X600	1250X600	1250X600
Max size on 45°	mm	250X350	500X500	700X600	600X500	1000X500	750X600	750X600	1250X600
Max size on 60°	mm								500X500
Main power	kw	7.5	7.5	11	11	11	15	15	15
Feeding						Feeding conveyor	Feeding conveyor		Feeding conveyor

## CNC high speed drilling machine for beams



The cnc machines is mainly composed of main body, CNC slipway, drilling spindle box, tool changer, clamping device, measuring device, electric system, hydraulic system, cooling system, chip box, etc..

Three slipways are all controlled by servo motor, guided by precision linear roller guide and driven by AC servo motor and ball screw to ensure the positioning accuracy. The spindles are precision spindles with high rotary accuracy and high rigidity, and driven by servo motor, with broad scope of application, rotation speed can be stepless changed in a wide range to meet the needs of a variety of speeds.

The vertical drilling machine is equipped with three inline type tool changers, and every tool changer can load 4 tools. While drilling, the tools can be changed automatically to meet the needs of different drilling diameters. The machine is equipped with flange width detection and web height detection device, which can effectively compensate for the deformation of the workpiece to ensure the processing accuracy.

Type	Unit	BHD500/3	BHD1206/3	BHD1206A/3
Width of web	mm	150~500	150~1250	150~1250
Hight of flange	mm	75~350	75~600	75~600
No. of drilling shaft	Qty	3	3	3
No. of blade on drilling	Qty	3	4	1
Max. drilling diameter	mm	φ30	φ30/φ40	φ30/φ40
Max. rotating speed	rpm	2000	3000	2000
Main power	Kw	7.5	11	11
Digital axis	Qty	7+3	7+3	7

## CNC high speed drilling and marking machine for angles



CNC high speed drilling and marking machine is mainly used for processing holes on angles.

The positioning, feeding of the machine are all driven by servo motors. It adopts Rack and Gear driving feeding by CNC carriage, high efficiency, and high precision; and it is wildly used in Construction, Tower and other industries.



Type	Unit	ADM2532	ADM3635	BL2532	BL3635
Min. size of angle	mm	140X140X10	140X140X10	140X140X10	140X140X10
Max. size of angle	mm	250X250X32	360X360X35	250X250X32	360X360X35
No. of shaft on each side	qty	3	3	3	3
No. of blade on each side	qty	3	3	3	3
Max. drilling diameter	mm	26	40	40	40
Rotating speed	rpm	6000	6000	180-560	180-560
Pressure power	Kn	1000	1200	1000	1200

## CNC high speed drilling machine for plates



This cnc drilling machine is for tube sheet used for heat exchanger. This cnc drilling machine is for flanges drilling, mainly used to drill or mill on the plate. The milling machine's longitudinal movement of gantry adopts two high bearing force linear guides locate at both sides of worktable, high agility, high quality and excellent performance. The milling machine adopts precise spindle (inner cooling), spindle taper, with auto tool pulling mechanism, hydraulic tool loosening, designed with tool clamping monitor device, and safety locking device. The cnc drilling machine is easy to do tool changer. Both of carbide and twist drills can be equipped with, as well as the function of chip blow and clean.

Type	Unit	PD 1616D	PM 2016A	PM 3022A	PM 4022	PM 6030	PHM 3030/2	PHM 4040/2	PHM 5050/2	PM 6060/2	PM 30040/2	PHD 3020	PHD 3030A/2	PHD 4040/2	PHD 5050/2
Max. size of plate sheet	mm	1600 X1600	2000 X1600	3000 X2200	4000 X2200	6000 X3000	3000 X3000	4000 X4000	5000 X5000	6000 X6000	30000 X4000	3000 X2000	3000 X3000	4000 X4000	5000 X5000
Max. thickness	mm	200	200	200	300	300	250	250	250	250	400	200	250	250	250
No. of shaft	qty	1	1	1	1	1	2	2	2	2	2	1	2	2	2
Drilling diameter	mm	φ50	φ50	φ50	φ50	φ50	φ70	φ70	φ70	φ60	φ80	φ40,50	φ40,50	φ40,50	φ40,50
Max. rotating speed		2000	3000	4000	4000	4000	2800	2800	2800	2800	2500	2000	2400	2400	2400
Main power	Kw	18.5/25.5	18.5/25.5	22	22	30	37	37	37	37	51/56	22	22	22	22

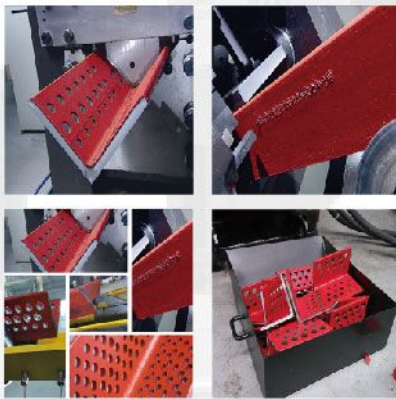
## CNC punching and cutting machine for angles



CNC punching and cutting machine for angles is a machine which mainly use for Punching and Cutting on steel angles. In Communication Tower, power transmission tower and other industries, it is wildly used.

There are three punching heads in each side of the CNC angle processing machine. Quantity of punching row for each side is arbitrarness for the tower machine. There are four groups of characters the angle punching machine.

With the Operation Cabinet and the Software you will be able to control all the options including the machines / devices integrat-ed to this system.



Type	Unit	AUL2020	UL16	PPJ153A	PPJ63
Min. size of angle steel	mm	63X63X4			
Max. size of angle steel	mm	200X200X20			
Min. size of U steel	mm	80X43X5	63X40X4.8		
Max. size of U steel	mm	140X60X8	160X65X8.5		
Min. size of plate sheet	mm			50X5	40X4
Max. size of plate sheet	mm			150x12	60x6
No. of punch head on each side	qty	3	3	3	3
Max punching diameter	mm	φ25.5	φ22X60 φ26	φ22X60 φ26	φ26
Punching power	kn	950	950	1000	400
Cutting power for angle steel	kn	1540	Double blade cutting		
Cutting power for plate sheet	kn			1000 Single blade cutting	230 Single blade cutting
Cutting power for U steel	kn	1000 Single blade cutting	1000 Single blade cutting		

## CNC punching and drilling machine for plates



CNC punching and drilling machine for plates consisting of Plate Punching and Marking Unit, also equip a Drilling Unit. The Machine uses work table moving type. The Servo Motors equipped with Ball screw control plate's moving. Two clamps hold the workpiece while working. And the hydraulic unit for the clamps is very reliable.

The machine equipped with Manual-Lubrication System for the Linear Guide and Ball Screw. The machine equipped with chip cleaner box.



Type	Unit	PP103B	PPR103B	PPD103B	PP123	PP153	PH1610	PPHD123
Max. size of plate sheet	mm	775X1000	775X1500	775X1500	800X1500	775X1500	1000X1600	800X1500
Thickness range	mm	5~25	5~25	5~25	5~25	5~25	5~40	5~40
Max. punching diameter	mm	φ26	φ26	φ26	φ30	φ30		φ30
Max. drilling diameter	mm			φ50			φ40	φ40
Max. rotating speed	rpm			560			3000	3000
Punching power	kn	1000	1000	1000	1200	1500		1200
No. of typing	qty	10	10	10	16	10	38	16

## Our partners

- The basis of our work - long-term partnerships with a number of proven manufacturing plants equipment
- We have spent many years on the choice of those partners that we truly believe and which we can recommend to our customers
- Among them



## Our customers

- We are proud to have built a partnership and friendly relations with many clients all over international market
- Most of our customers - small private companies to invest their own money in upgrading their production
- These customers have the highest demands on the efficiency of our solutions, the quality and speed of service
- But of course, we are working with major clients, who often confront us with very complex, interesting technological tasks

## Service

- Over the years we have realized: the main work in the delivery of the equipment begins after delivery
- That service allows you to achieve a smooth, efficient, long-term operation of the equipment
- Therefore, the main item of our investments are always - improving the quality of service
- We work every day to make our service faster, easier, more understandable for you!

## Warehouse equipment

- We are well aware of the unpredictability of the international manufacturing sector
- Often, our customers don't have time to wait for the delivery of the necessary equipment
- Therefore, we have invested heavily in stocks of equipment
- Constantly in our warehouse more than 100 pieces of equipment



## Delivery without intermediaries

- We will never work with intermediaries.
- All equipment is purchased by us directly from manufacturers.
- Moreover, we can always offer you to conclude a direct contract between your company and the manufacturer of the equipment.
- All service and warranty obligations under this contract will be the company METMAC.

## Transparency supplies

- All our deliveries are made fully transparent and formal.
- METMAC supply assistance for customs clearance and delivery on customer' s side.
- At any time, we can provide you with all documents relating to any delivery: invoices, shipping documents, customs declaration, certificate.
- We work only with reliable, official, certified transport companies
- All our shipments are insured fully and officially

## Advantages of working with METMAC

### Reliability

- It is well known for a long time working in the market the company
- A large number of successfully completed transactions
- Financial stability, lack of credit and debt
- A large number of machines, spare parts and consumables in stock
- Is the official representative of leading manufacturers of equipment

### An integrated approach

- Selection of machines not by name, but based on the production technology, the parameters of the finished product
- Supply wide range of equipment from a warehouse - no need to wait and freeze funds in prepayment

### bank guarantees and other financial instruments

- The possibility of organizing direct delivery of equipment from the factory to the customer
- Guaranteed transparency of the transaction
- Arrangements for delivery of equipment, packaging, loading and unloading
- Carrying out commissioning, training of personnel
- Internships personnel operating enterprises
- Guild logistics, optimization of waste production automation

### Service.

- Warranty and post-warranty service, supplementing manufacturer's warranty.
- Highly skilled service engineers, regular training at the factory
- Wide experience of commissioning and maintenance on a wide range of equipment in a variety of applications
- Stock of spare parts, spare parts and consumables
- The possibility of concluding a contract for regular technical inspections of equipment

### Permanent collection of information

- Regular visits to exhibitions, equipment manufacturers, large enterprises around the world
- Collection of technological developments for the production of various types of products
- Gathering information on possible ways of optimal organization of production processes

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