



METALWORKING INDUSTRY CATALOG

- CNC PIPE BENDING MACHINES
- PIPE FINISHING MACHINES
- PIPE CUTTING MACHINES
- ALUMINUM CUTTING MACHINES
- AUTOMATIC WELDING
MACHINES



弯管机系列 PIPE BENDING MACHINE SERIES

CNC数控弯管机 CNC Pipe Bending Machine	05-12
单头液压弯管机 Single Head Hydraulic Pipe Bending Machine	13-16
双头弯管机 Double-head Pipe Bending Machine	17

管端成型机系列 PIPE END FORMING MACHINE SERIES

管端成型机 (单头) Single Head Pipe End Forming Machine	18
管端成型机 (双头) Double-Head Pipe End Forming Machine	19
管端成型机 (锥度) Cone Pipe End Forming Machine	20

金属圆锯机系列 METAL CIRCULAR SAWING MACHINE SERIES

金属圆锯机 (气动型) Pneumatic Metal Circular Sawing Machine	21
金属圆锯机 (CNC型) Full Automatic Metal Circular Sawing Machine	22-24
金属圆锯机 (油压型) Oil-pressure Metal Circular Sawing Machine	25
金属圆锯机 (手动型) Manual Metal Circular Sawing Machine	26

铝切机系列 ALUMINUM CUTTING MACHINE SERIES

半自动铝型材切割机 Semi-automatic Aluminium Profile Cutting Machine	27
全自动铝型材切割机 Full Automatic Aluminium Profile Cutting Machine	28-29

其它机系列 OTHER MACHINE SERIES

金属圆管/圆棒端面倒角机 Metal Circular Pipe / Circular Stick Chamfering Machine	30
卧式冲弧机 Horizontal Punching Arc Machine	31
自动压弯机 Automatic Bending Machine	31
卷弯机 Roll Bending Machine	32
磨齿机 Gear Grinding Machine	32
自动焊接机械 Automatic Welding Machine	33
管类加工自动化生产线 Automation Pipe Processing Production Line	34

CNC数控弯管机

CNC PIPE BENDING MACHINE



DW-38CNC-5A-4S

CNC数控弯管机

CNC PIPE BENDING MACHINE



DW-50CNC-3A-1S



DW-50CNC-4A-3S



DW-50CNC-2A-1S

机械特点 Machinery Features

- 弯管采用伺服电机驱动，弯曲角度精度高，具有补偿值。
- 转角及送料为伺服电机驱动，效率高，转角角度及送料精确。
- 特别适用于空间角度多且精度要求高的管件加工。如：汽车油管、空调管、摩托车自行车等车架的生产制作。

机械特点 Machinery Features

- Bending pipe with servo motor drive, high precise bending angle and compensation value.
- Corner and feeding is driven by servo motor, high efficiency, accurate bending angle and feeding.
- It is very suitable for many spatial angles and high-requirement of precision, E.G. processing for oil tube of car, air conditional tube, frame of bicycle and motorcycle etc.

CNC数控弯管机

CNC PIPE BENDING MACHINE



DW-50CNC-6A-2S(左右弯)

机械特点 Machinery Features

- 全自动弯管机可对复杂三维管件进行左右弯制。
- 通过5-13轴伺服电机精确控制。
- 可实现1-4层模具左弯和右弯功能。
- 可实现大半径或螺旋状产品弯曲、带推弯功能。
- 工业计算机系统具备3D干涉检查功能。
- 可连接机器人和三维测量仪等。
- 可直接用输入管件数据生成3D立体图，并能模拟管件成型过程，预视管件成形图形。
- 有完善的机器故障报警功能，并在屏幕上显示报警信息，便于操作者查找、排除故障。

CNC数控弯管机

CNC PIPE BENDING MACHINE



DW-75CNC(左右弯)

机械特点 Machinery Features

- The CNC bending machine can bend complex three - dimensional pipes left and right.
- The 5-13 axis servo motor controls accurately.
- The left-turn and right-turn functions of 1-4 layer molds can be realized.
- Large radius or spiral products can be bent, with push bending function.
- The computer system for forestry industry has the function of 3D interference inspection.
- The machine can be connected to a robot and a three-dimensional measuring instrument.
- The input pipe fittings data can be directly used to generate 3D stereo images, and can simulate the forming process of the pipes, previewing the pipes forming graphics.
- It has a complete alarm function for machine failure and displays alarm information on the screen, which is convenient for operators to find and troubleshoot.

CNC数控弯管机

CNC PIPE BENDING MACHINE



DW-75CNC-4A-2S



DW-89CNC-2A-1S

机械特点 Machinery Features

- 具自动检测错误及故障功能，并在荧幕显示，让操作者容易排除障碍。
- 所有加工资料都由触控荧幕输入。
- 每一弯管皆可因不同材质变化设定补偿值、速度、脱模间隙。
- 同一支管子每一弯皆可单独编写5个动作顺序、10段速度，让操作者搭配使用，提高工作效率、降低管件干涉点。

CNC数控弯管机

CNC PIPE BENDING MACHINE



DW-130CNC-2A-1S



DW-219CNC-2A-1S

机械特点 Machinery Features

- With automatic detection error and fault function, and in the screen display, so that the operator can be easy to remove obstacles.
- All processing information by the touching screen input.
- Each bending pipe can set the compensation value, speed, release gap according to different materials.
- A pipe per bending all individually preparing five action sequence and 10 sections of speed, allows the operator to match the use, improve work efficiency, reduce the fitting interference points.



技术参数	Technical Parameters														
机型	Model	单位	DW-18CNC	DW-25CNC	DW-38CNC	DW-50CNC	DW-63CNC	DW-75CNC	DW-89CNC	DW-114CNC	DW-130CNC	DW-168CNC	DW-219CNC	DW-273CNC	DW-325CNC
最大弯曲管径×壁厚	Max. bending diameter and wall thickness	mm	Φ19.1×1.2	Φ25.1×1.5	Φ39.1×2	Φ51.1×3	Φ65.1×4	Φ76.1×4	Φ90.1×6	Φ120.1×8	Φ133.1×8	Φ169.1×14	Φ220.1×16	Φ275.1×20	Φ325.1×30
最大弯曲半径	Max. bending radius	mm	R120	R160	R180	R250	R250	R300	R300	R450	R450	R600	R800	R800	R1200
最大弯曲角度	Max. bending angle	°	190	190	190	190	190	190	190	190	190	190	190	190	190
最大送料长度	Max. feed length	mm	1800	2000	2200	2500	3000	3000	3000	3000	3000	3500	4000	4000	5000
送料方式	Feeding mode		直送或夹送	直送或夹送	直送或夹送	直送或夹送	直送或夹送	直送或夹送	直送或夹送	直送或夹送	直送或夹送	直送或夹送	直送或夹送	直送或夹送	直送或夹送
弯管速度	Elbow speed	%s	Max 180	Max 150	Max 150	Max 85	Max 85	Max 40	Max 30	Max 30	Max 30	Max 30	Max 25	Max 25	Max 20
转管速度	Transfer rate	%s	Max 200	Max 200	Max 200	Max 200	Max 200	Max 160	Max 160	Max 160	Max 160	Max 160	Max 80	Max 80	Max 60
送料速度	Feeding speed	mm/s	Max 1000	Max 1000	Max 1000	Max 1000	Max 1000	Max 800	Max 800	Max 800	Max 800	Max 800	Max 600	Max 600	Max 500
弯管精度	Elbow precision	°	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.2	±0.2	±0.2
转管精度	Transfer accuracy	°	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1
送料精度	Feeding accuracy	mm	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1
资料输入方式	Data entry mode		1、坐标 (X,Y,Z) 2、工作值 (Y,B,C)												
弯管方式	Bending mode		1、伺服弯管:1kw 2、伺服弯管:2kw 3、伺服弯管:3kw 4、伺服弯管:5kw(三轴以上) 5、液压弯管												
转管伺服电机功率	Rotary pipe servo motor power	kw	0.2	0.4	0.75	0.75	0.75	1	1.5	2	2	3	3	3	7
送料伺服电机功率	Feeding servo motor power	kw	0.4	0.75	1	1.5	1.5	1.5	2	3	3	4	5	7	11
管件允许弯头数	Elbow number		1、16件 (PLC型) 2、33件 (工业电脑型)												
可储存零件数	Can store part number		1、1000组 (PLC型) 2、两百万组 (工业电脑型)												
油压电机功率	Hydraulic motor power	kw		4	4	5.5	5.5	7.5	11	22	22	30	35	35	55
系统最大压力 (可调)	Max. system pressure (adjustable)	Mpa	10	12	12	12	12	12	14	14	14	14	14	14	14
机器重量	Machine weight	kg	1200	1300	1500	2500	3000	4500	5500	6800	7800	12000	22000	25000	38000

本公司保留产品更改权, 所有产品及技术外观如有变动, 恕不另行通知。
Company reserves the right of changing the above technical specification without any obligation.

单头液压弯管机

SINGLE HEAD HYDRAULIC PIPE BENDING MACHINE



DW-38NC



DW-50NC

机械特点 Machinery Features

高性能中型弯管机，运用NC控制，多组程序、多角度设定，使您的操作及程式设置更简便。使用广泛，可用于大量生产或标准化的产品，如排气管、座椅、保险杠及所有钢家具等。

High performance medium-sized pipe bending machine is controlled by NC with multigroup procedures and multi-angles setting. It will make you operate and set more easily. It is widely used in larger standard products, E.G. exhaust pipe, seat, bumper, all steel furniture and etc.

单头液压弯管机

SINGLE HEAD HYDRAULIC PIPE BENDING MACHINE



DW-63NC

机械特点 Machinery Features

- 大中型弯管机型，多次助推设计，解决大半径、大角度、薄壁弯管的难题。
- 采用单片机控制形式触摸式操作面板，人、机对话式操作，方便灵活。
- 弯曲角度采用编码器跟踪并反馈信息，弯曲精度高。
- 具有自动记数和停电记忆功能。
- 配备水冷却系统，保证机器长时间稳定工作。

- Large and medium-sized pipe bending machine with boosting design, can solve the trouble of big radius, big angle and thin bending pipe.
- Adopting touched operation panel by single chip computer control, man-machine conversation operating, very convenient.
- The angle of bending uses encoder tracking and give a feedback with a high bending precision.
- With automatic counting and power-off memory function.
- Equipped with water cooling system to ensure the stability of the machine for a long time.



DW-75NC

单头液压弯管机

SINGLE HEAD HYDRAULIC PIPE BENDING MACHINE



DW-130NC



DW-219NC

机械特点 Machinery Features

- 机器造型美观、精巧，提供了最大弯管空间。
- 采用单片机控制，设置操作简单易懂。
- 弯曲角度采用编码器跟踪并反馈信息，弯曲角度高精度。
- 存储多组加工模式，不同规格程序之间灵活切换。
- 具有自动记数和停电记忆功能。
- 配备液压冷却系统，保证机器长时间稳定工作。

- Machine is beautiful and delicate, and provides the space for the biggest bending pipe.
- Adopting single chip microcomputer control, easy to operate.
- The angle of bending uses encoder tracking and give a feedback with a high bending precision.
- Storing of multiple sets of processing mode, flexible switching between different specifications.
- With automatic counting and power-off memory function.
- Equipped with hydraulic cooling system to ensure the stability of the machine.



技术参数	Technical Parameters						
机型	Model	单位	DW-38NC	DW-50NC	DW-63NC	DW-75NC	DW-89NC
最大弯曲管径×壁厚	Max. bending diameter, wall thickness	mm	Φ38×2	Φ50×3	Φ63×4	Φ75×4	Φ89×6
最大弯曲半径	Max. bending radius	mm	R260	R350	R350	R400	R450
最小弯曲半径	Min. bending radius	mm	R≥1.5D	R≥1.5D	R≥1.5D	R≥1.5D	R≥1.5D
最大弯曲角度	Max. bending angle	°	190	190	190	190	190
标准穿芯长度	Standard core length	mm	1600	2200	2600	2800	3500
控制系统	Control system		微电脑控制	微电脑控制	微电脑控制	微电脑控制	微电脑控制
管件允许弯头数	Elbow number	件	16	16	16	16	16
可储存零件数	Can store part number	组	16×16	16×16	16×16	16×16	16×16
油压电机功率	Oil-pressure motor power	kw	4	5.5	5.5	7.5	11
系统最大压力	Max. system pressure	Mpa	12	12	12	12	14
液压系统控制	Hydraulic system control		电磁阀	电磁阀	电磁阀	电磁阀	电磁阀
油箱容积	Fuel tank volume	L	110	150	220	250	260
机床外形尺寸	Machine tool dimension	mm	2600×600×1000	3000×700×1000	3200×750×1100	4000×1000×1100	4320×1300×1200
机床重量	Machine tool weight	kg	750	1220	1500	2000	3500

技术参数		Technical Parameters						
机型	Model	单位	DW-114NC	DW-130NC	DW-168NC	DW-219NC	DW-273NC	DW-325NC
最大弯曲管径×壁厚	Max. bending diameter, wall thickness	mm	Φ114×8	Φ130×8	Φ168×14	Φ219×16	Φ273×20	Φ325×30
最大弯曲半径	Max. bending radius	mm	R520	R520	R750	R800	R1000	R1200
最小弯曲半径	Min. bending radius	mm	R≥1.5D	R≥1.5D	R≥1.5D	R≥1.5D	R≥1.5D	R≥1.5D
最大弯曲角度	Max. bending angle	°	190	190	190	190	190	190
标准穿芯长度	Standard core length	mm	4500	4500	5000	6000	7000	8000
控制系统	Control system		微电脑控制	微电脑控制	微电脑控制	微电脑控制	微电脑控制	微电脑控制
管件允许弯头数	Elbow number	件	16	16	16	16	16	16
可储存零件数	Can store part number	组	16×16	16×16	16×16	16×16	16×16	16×16
油压电机功率	Oil-pressure motor power	kw	22	22	22	30	35	40
系统最大压力	Max. system pressure	Mpa	14	14	16	16	16	16
液压系统控制	Hydraulic system control		电磁阀	电磁阀	电磁阀	电磁阀	电磁阀	电磁阀
油箱容积	Fuel tank volume	L	350	400	650	800	1000	1200
机床外形尺寸	Machine tool dimension	mm	5700×1300×1600	5700×1600×1300	7100×1800×1500	8800×2450×1980	9000×2500×2000	10000×2800×2500
机床重量	Machine tool weight	kg	7000	8000	12000	20000	22000	36000

本公司保留产品版权，所有产品及外观如有变动，恕不另行通知。
Company reserves the right of changing the above technical specification without any obligation.

双头弯管机

DOUBLE-HEAD PIPE BENDING MACHINE



SW-38-90°回转型

机械特点 Machinery Features

- 根据底座结构不同分为标准型与回转型
 - a. 标准型：机头不可回转，双头从0-90°皆可任意调整。
 - b. 回转型：机头可回转，双头可任意调整弯管角度从0-185°，但必须考虑取料问题。
 - 采用PLC控制，方便操作，易于维护。
 - 可分全循环，半循环，选择操作。
 - 可依不同材料外径，依其大小选择1支或1支以上的操作。
 - 标准配件：模具一组、挡尺一组。
- According to the base structure of the different types of standard and rotary type
 a. Standard type: head can not be turned, double headed from the 0-90° can be arbitrary adjustment.
 b. Rotary type: head can be turned, double-head adjustable bend angle from the degree 0-185°, but must consider the problem of reclaiming.
- Adopting PLC control, easy operation, easy to maintain.
 - It can be divided into the whole cycle, half cycle for the choice of operation.
 - According to the size of different materials, you can choose one or more than one operation.
 - Standard accessories: a group of mold a group of ruler.



主要技术参数 Main Technical Parameters

主要规格	Main specifications	SW-38	SW-50
液压电机功率	Hydraulic motor power	4kw	5.5kw
最大油压压力	Max. oil pressure	140kg/cm²	140kg/cm²
最大适用管径（碳钢管）	Max. applicable pipe (carbon steel)	Φ38×1.8t	Φ50×2t
适用弯曲半径	Applicable bending radius	38-200mm	45-300mm
双弯中心范围	Double bending center range	170-1450mm	190-1650mm
最大弯曲角度	Max. bending angle	185°	185°
最大加工能力	Max. processing capacity	Φ25×2 tube	Φ28×2 tube

本公司保留产品更改权，所有产品技术及外观如有变动，恕不另行通知。
 Company reserves the right of changing the above technical specification without any obligation.

管端成型机（单头）

SINGLE HEAD PIPE END FORMING MACHINE

机械特点 Machinery Features

管端成形机，运用直线导轨为载体，使之运作无磨损，产品重复性好，适用于铁管、家具、汽车空调、燃油管路等的端头处理。

- 可同时加工管件的两端，效率高，精度好。
- 加工工件长度可根据客户要求调整。
- 可选用多夹紧方式，保证管件加工时不松动。
- 液压同步系统，保证加工精度。

Pipe end forming machine, with the straight line guide rail as the carrier, to run without abrasion, good repeatability of products applicable to the pipe end processing of iron pipe, furniture, automobile air conditioner, fuel.

- Can simultaneously process the pipe two ends, with high efficiency and good precision
- The length of the workpiece can be adjusted according to customer requirements.
- Can choose to use more clamping method, ensure that the pipe is not loose under processing.
- Hydraulic synchronous system, guarantee the processing precision.



SG-40



SG-60



主要技术参数 Main Technical Parameters

主要规格	Main specifications	SG-40	SG-60	SG-80	SG-100	SG-120
最大适用管径	Maximum fitting	Φ40×2.0t	Φ60×2.0t	Φ80×2.0t	Φ100×2.0t	Φ120×2.0t
最大工作行程	Maximum working stroke	100mm	130mm	150mm	150mm	150mm
油压出力	Oil pressure output	4.5Mpa	12Mpa	12Mpa	14Mpa	14Mpa
工作速度	Working speed	100mm in 3-4sec	100mm in 3-4sec	130mm in 5-6sec	140mm in 6-7sec	140mm in 8-9sec
机器尺寸	Machine size	2000×550×1300mm	2000×600×1400mm	2900×700×1400mm	3000×750×1500mm	3500×900×1800mm
机器重量	Machine weight	1100kg	1250kg	1600kg	1800kg	2500kg

本公司保留产品更改权，所有产品技术及外观如有变动，恕不另行通知。
 Company reserves the right of changing the above technical specification without any obligation.

管端成型机（双头）

DOUBLE-HEAD PIPE END FORMING MACHINE

机械特点 Machinery Features

- 可同时加工管件的两端，效率高，精度好。
- 加工工件长度可根据客户要求调整。
- 可选用多夹紧方式，保证管件加工时不松动。
- 液压同步系统，保证加工精度。
- Can processing the two ends of the pipe at the same time with high efficiency and good accuracy.
- Processing workpiece length can be adjusted according to customer's requirements.
- Can choose more clamping way, ensure fitting process not loose.
- Hydraulic synchronization system, ensure the processing accuracy.



SSG-60



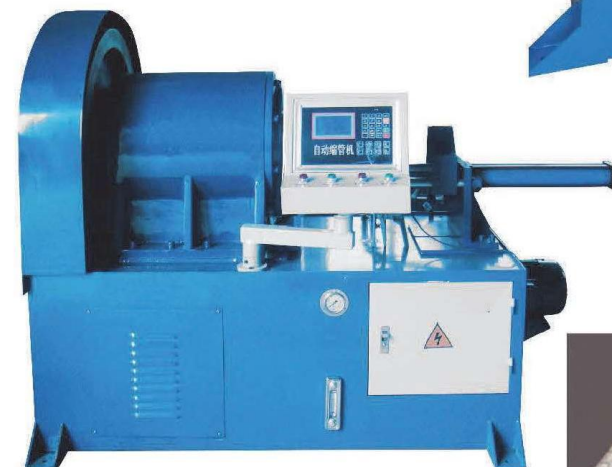
管端成型机（锥度）

CONE PIPE END FORMING MACHINE

机械特点 Machinery Features

锥缩压花机是本公司在采用国内外先进技术的基础上，自行开发出既能缩锥管又能压花的新型高科技多功能产品，本机采用1种模具能加工不同口径管材，进行锥缩管和压花，采用液压进行自动送料，节约成本，省时、省力，大大提高生产效率，是目前最理想加工机械。

Tapered embossing machine is our company based on domestic and foreign advanced technology, independently developed both multi function can shrink cone pipes and embossing of new high-tech products, the machine adopts a mould which can process different diameter pipes, bending pipe and embossing. It adopts hydraulic automatic feed which can solve cost saving, time-saving, labor-saving and can greatly improve the production efficiency. It is the ideal processing machinery.



ZS-60NC



ZS-40



主要技术参数 Main Technical Parameters

主要规格	Main specifications	ZS-40	ZS-60NC
最大缩管能力	Maximum shrinkage capacity	Φ40×2.0	Φ60×2.0
最大缩管压花长度	The maximum length of pipe embossing	280mm	420mm
电动机功率	Motor power	4kw	7.5kw

本公司保留产品版权，所有产品技术及外观如有变动，恕不另行通知。
Company reserves the right of changing the above technical specification without any obligation.

金属圆锯机 (气动型)

PNEUMATIC METAL CIRCULAR SAWING MACHINE

机械特点 Machinery Features

- 垂直滑道进刀式，进刀稳定刀具寿命长。
- 特殊设计，多组齿轮传动适合重型切削，精度稳定。
- 机台结构坚固，振动小，机器寿命长。
- 冷却液自动循环确保工件切面平滑。
- 切屑集中处理，维护简单容易。

- Vertical slide feed type, feed stable and long tool life.
- Special design, multi gear transmission for heavy cutting, precise stability.
- The machine structure is strong with small vibration.
- Cooling liquid automatic cycle to ensure that the workpiece surface smooth.
- Chip centralized processing, maintenance simple and easy.



主要技术参数 Main Technical Parameters

锯切能力 (以碳钢为参考) Saw cutting ability				
刀片位置 Blade position	MC-275B		MC-315B	
	90°	45°	90°	45°
70	70	60	90	70
60×60	60×60	45×45	80×80	60×60
60×60	60×60	45×45	80×80	60×60
60×80	60×80	45×60	80×90	60×80
38	38	25	55	45
38	38	25	50	40

本公司保留产品更改权，所有产品技术及外观如有变动，恕不另行通知。
Company reserves the right of changing the above technical specification without any obligation.

技术资料 Technical datas				
主机马达 Master motor	MC-275B		MC-315B	
	双速电机 Two-speed motor 2/2.4kw		双速电机 Two-speed motor 2.4/3.0kw	
主轴 Spindle	A型 Type	RPM60/120	A型 Type	RPM60/120
	B型 Type	RPM60/120	B型 Type	RPM60/120
适用锯片 Suitable blade				
高速钢锯片 H.S.S. BLADE				
冷却水泵 Cooling water pump		90w	冷却水泵 Cooling water pump	
使用压缩空气 Compressed air		A型及B型	使用压缩空气 Compressed air	
使用压缩空气 Compressed air		0.4-0.6Mpa	使用压缩空气 Compressed air	
使用压缩空气 Compressed air		0.4-0.6Mpa	使用压缩空气 Compressed air	
机器重量 Weight		A型 80kg B型 180kg	机器重量 Weight	
机器重量 Weight		A型 200kg B型 210kg	机器重量 Weight	

金属圆锯机 (CNC型)

FULL AUTOMATIC METAL CIRCULAR SAWING MACHINE



HVS-350FA-CNC上下夹



HVS-350FA-CNC左右夹

金属圆锯机 (CNC型)

FULL AUTOMATIC METAL CIRCULAR SAWING MACHINE



HVS-450FA-CNC上下夹



HVS-450FA-CNC左右夹

金属圆锯机 (CNC型)

FULL AUTOMATIC METAL CIRCULAR SAWING MACHINE



机械特点 Machinery Features

- 垂直滑道进刀，机台结构坚固，切屑集中处理，自动润滑，独立刀片冷却，独立油冷却。
- 本机有三组夹紧装置，压力大小分别可调，有效解决夹紧时材料不牢或变形的问题。
- 本机有拉尾料功能，有效节约材料长度。
- 本机采用伺服驱动送料，大大提高锯切精度。
- 本机采用触屏输入，PLC处理数据，配合各执行部件，简单易操作。
- 本机系统具备无料停机、故障检测与显示功能，方便检修、维护。
- 本机具备一种材料切割出多种长度的功能。
- Vertical slide feeding, strong structure, concentrate on processing of cutting chip, automatic lubrication, blade cooling, oil cooling.
- The machine has three sets of clamping device, the pressure size were adjustable, effectively solve the material when the clamping is not strong or deformation of the problem.
- The machine has a pull tail material function, effectively saving material length.
- The machine adopts servo drive feed, greatly improve the sawing accuracy.
- The machine adopts touch-screen input, PLC processing data, with the implementation of the components, easy to operate.
- The system has no material shutdown, fault detection and display function, easy maintenance, maintenance.
- The machine has a function of cutting out a variety of lengths.

技术参数	Technical Parameters	HVS-350FA-CNC(上下夹)	HVS-350FA-CNC(左右夹)	HVS-425FA-CNC(上下夹)	HVS-425FA-CNC(左右夹)
锯片驱动马达	Blade drive motor	3.0/4.0kw 380V/50HZ	3.0/4.0kw 380V/50HZ	3.0/4.0kw 380V/50HZ	3.0/4.0kw 380V/50HZ
锯片转速	Blade rotational speed	60/120RPM	60/120RPM	60/120RPM	60/120RPM
送料行程	Feed stroke	1500mm/次	1500mm/次	1500mm/次	1500mm/次
伺服电机功率	Servo motor power	1000w	1000w	1000w	1000w
拉尾料行程	Pull tail stroke	150mm	150mm	150mm	150mm
夹钳型式	Clamp type	上下	左右	上下	左右
冷却泵马达	Cooling pump motor	90w	90w	90w	90w
液压泵马达	Hydraulic pump motor	2.2kw	2.2kw	2.2kw	2.2kw
油压工作压力	Oil working pressure	10-50kg	10-50kg	10-50kg	10-50kg
机器尺寸	Dimension	3500×1100×1700mm	3500×1100×1700mm	3500×1100×1700mm	3500×1100×1700mm
机器重量	Weight	1350kg	1350kg	1350kg	1350kg

技术参数	Technical Parameters	HVS-350FA-CNC(上下夹)	HVS-350FA-CNC(左右夹)	HVS-425FA-CNC(上下夹)	HVS-425FA-CNC(左右夹)
锯切能力 (mm) (Saw cutting ability)	机型	HVS-350FA-CNC(上下夹)	HVS-350FA-CNC(左右夹)	HVS-425FA-CNC(上下夹)	HVS-425FA-CNC(左右夹)
	刀片位置	90°正切	90°正切	90°正切	90°正切
	○	Φ90mm	Φ90mm	Φ90mm	Φ90mm
	□	80×80mm	90×90mm	90×90mm	90×90mm
	□	80×80mm	90×90mm	90×90mm	90×90mm
	└	110×50mm	110×50mm	110×50mm	110×50mm
	■	40×40mm	40×40mm	40×40mm	40×40mm
●	Φ40mm	Φ40mm	Φ40mm	Φ40mm	Φ40mm

本公司保留产品更改权，所有产品技术规格如有变动，恕不另行通知。
Company reserves the right of changing the above technical specification without any obligation.

金属圆锯机（油压型）

SEMI-AUTOMATIC OIL-PRESSURE METAL CIRCULAR SAWING MACHINE



MC-315Y



MC-350Y



MC-425Y

机械特点 Machinery Features

- 垂直滑道进刀式，进刀稳定刀具寿命长。
- 特殊设计，多组齿轮传动适合重型切削，精度稳定。
- 机台结构坚固，振动小，机器寿命长。
- 冷却液自动循环确保工件切面平滑。
- 切屑集中处理，维护简单容易。
- Vertical slide feed type, feed stable and have long tool life.
- Special design, multiple sets of gear transmission is suitable for heavy cutting, precise stability.
- The machine structure is firm with small vibration.
- The cooling liquid automatic cycle to ensure that the workpiece surface smooth.
- Chip processing, maintenance is simple and easy.

主要技术参数 Main Technical Parameters

项目	Project	MC-315Y
锯片驱动马达	Blade drive motor	2.4/3.0kw 380V/50HZ
锯片转速	Blade rotational speed	60/120RPM
机头回转角度	Rotation angle	90°/ 45°
夹钳型式	Clamp type	双边 bilateral
冷却泵马达	Cooling pump motor	40w
液压泵马达	Hydraulic pump motor	1.5kw
油压工作压力	Oil working pressure	45-70kg
机器尺寸	Dimension	800×600×1450mm
净重	Weight	400kg

本公司保留产品图版权，所有产品技术及相关规格如有变动，恕不另行通知。
Company reserves the right of changing the above technical specification without any obligation.

金属圆锯机（手动型）

MANUAL METAL CIRCULAR SAWING MACHINE



MC-275A



MC-315A

主要技术参数 Main Technical Parameters

机型	Model	MC-275A	MC-315A
锯片驱动马达	Blade drive motor	2/2.4kw 380V/50HZ	2.4/3.0kw 380V/50HZ
锯片转速	Blade rotational speed	60/120RPM	60/120RPM
机头回转角度	Rotation angle	90°/ 45°	90°/ 45°
夹钳型式	Clamp type	双边	双边
冷却泵马达	Cooling pump motor	40w	40w
机器尺寸	Dimension	520×600×1350mm	800×600×1450mm
净重	Weight	180kg	300kg

本公司保留产品图版权，所有产品技术及相关规格如有变动，恕不另行通知。
Company reserves the right of changing the above technical specification without any obligation.



半自动铝型材切割机

SEMI-AUTOMATIC ALUMINIUM PROFILE CUTTING MACHINE



455Q型



610型

机械特点 Machinery Features

- 455Q为改良传统结构的最新设计,使用滑轨式机构及加强稳固主轴运动的机构。
- 主轴进刀及回刀时极稳定,工作不易震动,锯片切削路线不易微变。
- 表面光洁,精度高;隐蔽式锯片,上下工件安全可靠;脚踏式开关,压料锯料全自动。
- 自动喷油润滑、冷却,切面无毛刺,锯片更耐久。
- 一次可单支或多支锯切,适合多样小量加工,更适合大批量加工,效率高,费用低。
- 455Q for the latest design and improvement of the traditional structure, using a sliding rail mechanism and stable movement of the spindle mechanism to strengthen.
- Spindle feed and back knife is very stable, working table is not easy to shake. The blade cutting route is not easy to micro change.
- Smooth surface, high precision, hidden type saw blade, upper and lower parts is safe and reliable; pedal switch, full automatic feeding and cutting.
- Automatic oil injection lubrication, cooling, action without burr, saw more durable.
- Single or multiple cutting is suitable for a small number of processing, more suitable for mass processing with high efficiency and low cost.

主要规格	Main specifications	455Q
铝切角度	Aluminum cutting angle	90°± 45°
最大锯切宽度	Maximum cutting width	300mm
最大锯切厚度	Maximum cutting thickness	125mm
主轴转速	Spindle speed	3500r/min
电机功率	Motor power	4kw

机械特点 Machinery Features

- 改良传统结构的最新设计,锯片使用走向式切削路线。
- 采用直线导轨,精度更高。
- 气压半自动型。
- 使用钨钢锯片,610横切铝型材切割机是一种专门锯切铝型材及铝制品的金属圆锯机,锯切后切口光滑无需再加工,广泛应用于汽车业、家具业以及散热器行业。
- 本机具有操作简单、噪音小、无污染、无毛刺、铝切品质好、生产效率高。
- To improve the traditional structure of the latest design, the use of the saw blade cutting line.
- Adopting linear guide, higher accuracy.
- Pneumatic semi-automatic type.
- Adopting tungsten steel saw blade, cross cutting aluminum profile cutting machine is a specialized saw cutting aluminum and aluminum products metal circular saw machine, sawing after incision is smooth and there is no need to be processed, are widely used in automobile industry, furniture industry and radiator industry.
- This machine has simple operation, small noise, no pollution, no burr, good aluminum cutting quality, high production efficiency.

主要技术参数 Main Technical Parameters

主要规格		Main specifications			
锯切长度	Cutting length	10~1200mm	锯切(宽度×高度)	Sawing (W×H)	500×225mm
主电机功率	Main motor power	4kw	主电机转速	Speed of main motor	2850/min
使用锯片尺寸	Saw blade size	Φ610×Φ25.4×100T	外形尺寸(长×宽×高)	Overall size (L×W×H)	2100×810×1250mm
锯片进给速度	Saw feed rate	0~3m/min	锯片返回速度	Saw blade return speed	2~3m/min
工作电压	Working voltage	380V	工作气压	Working pressure	0.6~0.8Mpa
自动进刀最高速度	Automatic feed speed	10m/min	机床重量	Weight of machine tool	1000kg

本公司保留产品更改权,所有产品技术及相关规格如有变动,恕不另行通知。
Company reserves the right of changing the above technical specification without any obligation.

全自动铝型材切割机

FULL AUTOMATIC ALUMINIUM PROFILE CUTTING MACHINE



LQ-455CNC



机械特点 Machinery Features

- 主要用于工业型材、铝合金门窗、散热片、铜材等锯切,亦可用于塑料型材的切割下料。
- 使用硬质合金锯片,外径可达18",线速度高,加工精度高。
- 本机床带数控送料系统,并可根据客户要求加装托料架。
- 采用日本三菱伺服电机,滚珠丝杠和进口导轨,因而重复切削精度高,电机功率为4KW,更适合工业型材,铜材铝棒的切割。
- Mainly used cutting for industrial profiles, aluminum alloy doors and windows, heat sink, copper, can also be used for cutting and bailing of plastic profile.
- Adopting hard alloy saw blade, diameter up to 18" with high line speed and high processing precision.
- The machine tool with CNC feeding system, and according to customer requirements of the installation of supporting rack.
- Adopting the Japanese MITSUBISHI servo motor, ball screw and imported rails, and repeated cutting with high precision, more suitable for industrial profiles, copper aluminum bar cutting.

主要技术参数 Main Technical Parameters

主要规格		Main specifications			
伺服电机	Servo motor	1kw	锯切(宽度×高度)	Sawing (W×H)	300×125mm
主电机功率	Main motor power	4kw	主电机转速	Speed of main motor	2850r/min
使用锯片尺寸	Saw blade size	Φ455×Φ25.4×120T	外形尺寸(长×宽×高)	Overall size (L×W×H)	2200×900×1600mm
锯片进给速度	Saw feed rate	0~3m/min	锯片返回速度	Saw blade return speed	2~3m/min
工作电压	Working voltage	380V	工作气压	Working pressure	0.6~0.8Mpa
自动送料最高速度	Automatic feed speed	10m/min	机床重量	Weight of machine tool	1000kg

本公司保留产品更改权,所有产品技术及相关规格如有变动,恕不另行通知。
Company reserves the right of changing the above technical specification without any obligation.

全自动铝型材切割机

FULL AUTOMATIC ALUMINIUM PROFILE CUTTING MACHINE



LQ-360ZC

机械特点 Machinery Features

- 机械主电路采用台湾进口PLC控制工作，操作集中简易、灵敏，维修方便。
- 自动送料，无间断送料采用台湾“富士”伺服电机精密丝杆，切割精度达到 $\pm 0.03\text{mm}$ 。
- 计数器可设置加工数量或自动停机或累计当天工作量。
- 前后压力可无段调整，确保工件无夹伤不变形。
- 加工尺寸变更时，无需手动硬件定位，只需在文本显示器上改动相关尺寸数据即可工作。
- 针对铝型材、铜材、有机材料、塑钢性材料、碳纤维等有显著效果，切割无毛刺，对切割后的屑沫集中回收，冷却液能循环使用，具有高效、省时、省料的特点。
- The mechanical main circuit uses imported PLC control. The operation is simple, sensitive with convenient maintenance.
- Automatic feeding, no end material adopts the imported servo motor and precise screw, cutting accuracy is high, up to $\pm 0.03\text{mm}$.
- The counter can be set to the number of processing or automatic shutdown or cumulative day of work.
- Before and after the pressure stepless adjustment, ensure the workpiece without crush deformation.
- When Processing size changing, no need to manually hardware positioning, only in the text display to change the relevant size data can work.
- For aluminum, copper, organic materials, plastic materials, such as carbon fiber has obvious effect, without burr cutting, centralized recovery after cutting of foam debris, can recycle cooling liquid, which has the advantages of high efficiency, saving time and material.

主要技术参数 Main Technical Parameters

主要规格	Main specifications	LQ-360ZC			
锯切能力	Saw cutting ability	●	□	▢	○
		Φ80mm	110×110mm	110×90mm	Φ110mm
送料长度	Feeding length	无间断连续送料		Continuous feeding	
进刀速度	Feed speed	无段调整		Continuous adjustment	
主机马达	Host motor	4或5.5kw，依订单装置		4 or 5.5kw, optional	
锯片	Saw blade	Φ355mm碳化钨锯片	Φ350mm高速钢锯片	Φ355mm tungsten carbide blade	Φ350mm high speed steel blade
主轴转速	Spindle speed	2850RPM或依订单装置		2850RPM or according to order	
冷却方式	Cooling mode	强置水冷或油雾冷却		Water cooling or oil mist cooling	
压缩空气	Compressed air	0.6Mpa, 2500NL/min		0.6Mpa, 2500NL/min	
机器尺寸L×W×H	Machine size L×W×H	1900×1300×1650mm		1900×1300×1650mm	
总重量	Total weight	1200kg		1200kg	

本公司保留产品更改权，所有产品技术及外观如有变动，恕不另行通知。

Company reserves the right of changing the above technical specification without any obligation.

金属圆管/圆棒端面倒角机

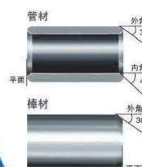
METAL CIRCULAR PIPE / CIRCULAR STICK CHAMFERING MACHINE



DEF-50-600 / 80-600 (双头)
管端、棒尾、倒内角、倒外角及端面一次完成
Pipe end, stick end cutting interior angle and end face can finish one time

机械特点 Machinery Features

- 夹钳与刀盘经过精巧的设计，确保加工物件与刀盘的中心线准确不变。可以一次均匀地完成管端的外角，内角及管端的加工。
- 利用皮带轮的变化可转换多个转速，适应各种不同材质的金属材料，取得最长的刀具寿命。
- 两段进刀速度节省工时，且慢速易于调整，加工完美。
- Clamping die and knife plate after a delicate design, to ensure that the machining of the center line of the cutter and the center line of the same. Can finish a uniform completion pipe end corners, angles and pipe end processing.
- Adopting belt round of changes can be converted to a variety of different speed, to adapt to a variety of different materials of metal get the longest tool life.
- Two-section feeding speed can save time and it is easy to adjust and process perfectly.



EF-52/80/100/168/300



自动排料架
Automatic material discharging rack

机型	Machine type	EF-PV52	EF-AC/80	DEF50-600
主机功率	Power	0.75KW	2.2KW	2.2KW
主机转速	Rotational speed	依加工不同材料变换皮带轮选取适当的转速 Change belt pulley to choose suitable speed according to different material		
加工管径O.D	Processing O.D	9-52mm	30-82mm	6-50mm
加工圆棒外角O.D	Processing round-pipe O.D	9-30mm	20-50mm	6-30mm
使用压缩	Used compress	6-8KGS/cm ²	6-8KGS/cm ²	6-8KGS/cm ²
空气	Air	60ml/min	120ml/min	120ml/min
标准配件	Standard accessories	1. 主机台 2. 夹具一个 3. 标准刀头一个 4. 刀片一组 1. Master table 2. A fixture 3. A standard knife head 4. A group of blade		
特殊配件	Special accessories	1. 不同尺寸夹具 2. 特殊刀座与刀片 3. 特殊刀头 1. Different size fixture 2. Special knife holder and blade 3. Special cutter head		
加工长度	processing length	任意	Optional	20-600mm

本公司保留产品更改权，所有产品技术及外观如有变动，恕不另行通知。

Company reserves the right of changing the above technical specification without any obligation.

卧式冲弧机

HORIZONTAL PUNCHING ARC MACHINE

机械特点 Machinery Features

- 本机是对铁管、不锈钢管进行冲弧的专用冲弧设备。
- 该机冲弧精度好，效率高，操作方便。
- This machine is a special punching equipment for punching arc of stainless steel pipes.
- The machine is high precision, high efficiency and convenient operation.



主要技术参数 Main Technical Parameters

主要规格	Main specifications	CH-40	CH-60
适用管径	Applicable pipe diameter	Φ42 × 2mm	Φ60 × 2mm
电源	Power supply	380V/50HZ	380V/50HZ
油压	Oil pressure	≤120 kg/cm ²	≤120 kg/cm ²
产能	Capacity	3-5s/pcs	3-5s/pcs
油泵电机	Oil pump motor	4kw	5.5kw

本公司保留产品更改权，所有产品技术及相关规格如有变动，恕不另行通知。
Company reserves the right of changing the above technical specification without any obligation.

自动压弯机

AUTOMATIC BENDING MACHINE

机械特点 Machinery Features

- 改转模为压模的弯管机理，使驱动更直接，结构更精巧。
- 竖直方向压模弯制，大大地扩展了弯管空间。
- 弯管过程中无需夹紧，且特别设计顶出机构，放、取管方便，弯管周期短，效率高。
- 主要适用于弯管跨度大，或有多角度折弯的各种型材的加工。
- 是系列单、双头液压弯管机的必要补充。
- changing bending mechanism from revolving die to stamper to make driver more directly and structure more exquisite.
- Bending to stamper in the vertical direction can enlarge the space of bending tube.
- In the process of bending, it doesn't need to clamp tightly. with special design of up mechanism, it is very convenient for put and get.
- In the process of bending, it doesn't need to clamp tightly with special design of up mechanism, it is very convenient for put and get tube with short bending period with high efficiency.
- Mainly applicable to the long span, or a variety of angle bending of the processing of profiles.
- It is series of single, double head hydraulic pipe bending machine necessary supplement.



YW40

卷弯机

ROLL BENDING MACHINE

机械特点 Machinery Features

- 全机械传动，结构紧凑，可靠性高。
- 三辊驱动，不易打滑，薄壁材料也可弯曲。
- 双脚踏开关另加急停，操作方便。
- 该机传动平衡，只须调整压紧，可获得不同曲率的圆形、弧形或螺旋形。
- 改变模具槽型，可加工各种金属型材，如角钢、扁钢、圆管以及其它异型截面型材。
- 弯制大半径型材，避免了制作特大弯管模的弊端，单头、双头系列弯管机不能达到的必要补充。
- Full-mechanical transmission, compact structure, high reliability.
- Three roll drive, is not easy to skid. Thin-wall materials can also be curved.
- On both sides of the roller asymmetrical distribution, reduce the line segment.
- The side roller both to feed the workpiece.
- Double pedal switch with urgent stop, easy to operate.
- The machine transmission balance, simply adjust the pressure, can get different curvature circle, arc or spiral.
- Can change mould slot type, metal profiles, such as angle steel, flat steel, pipe and other special shape section.
- Bending radius of profile, avoids the disadvantages of making large curved pipe die. Single head and double-head bending machines cannot achieve the necessary supplement.
- 两侧辊不对称分布，减少直线段。
- 侧辊两侧均可进给工件。



主要技术参数 Main Technical Parameters

主要规格	Main specifications	JW-40	JW-50
最大弯管能力	Maximum bending capacity	40×1.5 mm	50×1.5 mm
最小弯管半径	Minimum bend radius	200 mm	350 mm
弯曲速度	Bending speed	80 mm/s	80 mm/s

本公司保留产品更改权，所有产品技术及相关规格如有变动，恕不另行通知。
Company reserves the right of changing the above technical specification without any obligation.

磨齿机

GEAR GRINDING MACHINE

机械特点 Machinery Features

本机系精心设计，是一部您理想中的机器。高品质的产品，使精密的研磨成为轻而易举的事，并且减少了人工及时间上的浪费。所以您也能在自己的工厂中迅速而经济的研磨锯片，并可提高工作效率，以及使您的锯片保持精确而锋利的齿型。

This computer system is carefully designed. It is an ideal machine for you. High - quality products that make precision grinding is an easy thing to do, and reduce the waste of labor and time. So you can quickly and the economy of the grinding saw blade, and can improve the work efficiency, and make your blades to keep accurate and sharp teeth type.

主要技术参数 Main Technical Parameters

主要规格	Main specifications	SG-450
圆锯片外径	Saw blade diameter	Φ50-Φ450mm
齿距	Pitch	最大25mm
齿深	The tooth is deep	最深8mm
切削角	Cutting angle	-5°-30°
进给速度	Feed rate	45-180齿/分
锯片厚度	Saw blade thickness	最厚8mm
砂轮外径	Outer diameter of grinding wheel	Φ75-Φ150mm
砂轮转速	Wheel speed	4200RPM(60HZ)
传动马达	Drive motor	1/2HP
砂轮马达	Grinding wheel motor	3/4HP
净重	Net weight	130kg
装箱尺寸(长×宽×高)	Packing size (L x W x H)	800×800×1410mm

本公司保留产品更改权，所有产品技术及相关规格如有变动，恕不另行通知。
Company reserves the right of changing the above technical specification without any obligation.



自动焊接机械

AUTOMATIC WELDING MACHINE



焊圆机 (铁焊)
Round Welding Machine (Iron Welding)

主要技术参数 Main Technical Parameters

机器	Machine	AC220V 单相电源	Single-phase AC
焊机	Welding machine	AC380V 三相电源	Three-phase
适合材质	Suitable for material	铁、不锈钢、镀锌管	Steel, ss, galvanized pipe
适合壁厚	Suitable for wall thickness	0.8mm以上	More than 0.8mm
气压	Pressure	5kg以上	More than 5kg

主要技术参数 Main Technical Parameters

机器	Machine	AC220V 单相电源	Single-phase AC
焊机	Welding machine	AC380V 三相电源	Three-phase
适合材质	Suitable for material	铁、不锈钢、镀锌管	Steel, ss, galvanized pipe
适合壁厚	Suitable for wall thickness	0.8mm以上	More than 0.8mm
气压	Pressure	5kg以上	More than 5kg



R口焊接专机
R Welding Machine



四/五轴机器人手
Four / Five Axis Robot Hand

主要技术参数 Main Technical Parameters

机器	Machine	AC220V 单相电源	Single-phase AC
焊机	Welding machine	AC380V 三相电源	Three-phase
适合材质	Suitable for material	铁、不锈钢、镀锌管	Steel, ss, galvanized pipe
适合壁厚	Suitable for wall thickness	0.8mm以上	More than 0.8mm
气压	Pressure	5kg以上	More than 5kg

管类加工自动化生产线

AUTOMATION PIPE PROCESSING PRODUCTION LINE

自动化生产线及整厂规划与设计

弯管自动化生产线

切管机自动上下料专用设备

缩管机自动上下料专用设备

Automatic production line and the whole factory planning and designing

Automatic pipe bending production line

Special equipment for automatic feeding and unloading of pipe cutting machine

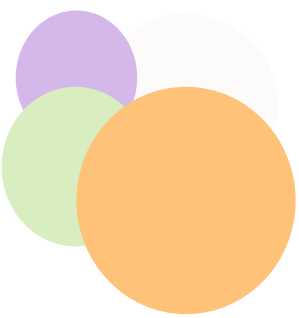
Special equipment for automatic feeding and unloading of pipe shrinking machine



全自动切管去毛刺弯管数控生产线含全自动上料架、全自动切管机、去毛刺机、输送排料架、机器人、数控弯管机、自动码垛（落料系统）。

Full automatic pipe cutting deburring NC pipe bending production line including full automatic feeding rack, full automatic pipe cutting machine, deburring machine, conveying discharging rack, robots, CNC pipe bending machine, automatic stacking (blanking system).





CONTACTO



Facebook: Verval Import & Export

Instagram: @vervalcomex

LinkedIn: @vervalcomex



gerencia@verval.com.co



+57 318 1542811

www.verval.com.co