



DEZHONG  
德众机器

全自动数控滚弯机



Jinan DeZhong Machinery Co., Ltd.



DEZHONG  
— 德众机器 —

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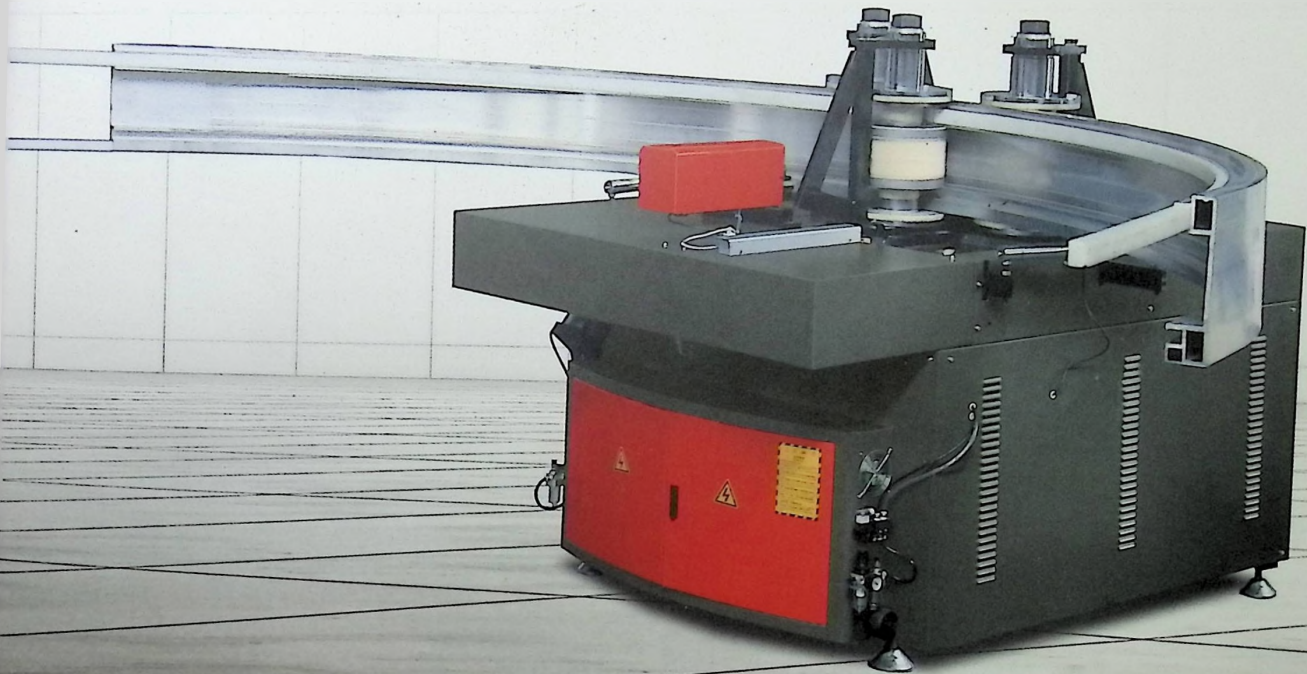
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BENDING EQUIPMENT

WHOLE PROCESS SOLUTION

金属型材 · 智能滚弯设备

济南德众机器有限公司  
JINAN DEZHONG MACHINERY CO., LTD.



## Brief Introduction

### 企业简介

济南德众机器有限公司坐落于素有门窗设备基地及摇篮之称的济南，这里孕育奇迹的沃土。德众机器已成为国内领先的弯圆设备专业制造商及供应商，公司自成立以来专注于金属型材及异型材的弯弧加工设备，专业从事弯弧加工设备的研发及生产，拥有多项核心技术。

德众拥有现代化标准厂房 2000 多平米，设有机加工、组装、调试及质检区域，通过先进精益管理，生产实现了专业化、规模化，形成了系统专业生产能力。

德众一直以做最适合用户的设备为理念，为用户创造价值是我们的承诺。对每个产品负责是德众的责任，顾客满意是德众服务的终极目标；能够赢得顾客、员工、社会满意是德众前进的动力源泉。我们竭诚希望和国内外广大朋友携手共进，创造更美好的明天。

高质量的产品，高效率的服务团队，德众是您真诚的合作伙伴！

Jinan, known as the door and window equipment base and cradle, DEZO Machine is located in this fertile soil that is good at breeding miracles. DEZO Machine is a leading professional supplier of bending equipment in China. Since its establishment, the company has focused on bending metal profiles and special profiles, specializing in the research and development and production of curved arc processing equipment, has a number of core technologies.

DEZO has a modern standard factory building of more than 2,000 square meters, with machining, assembly, debugging and quality inspection areas. through advanced lean management, the production has achieved specialization and scale, and has formed a systematic professional production capacity.

DEZO always takes the idea of making the most suitable equipment for users, and it is our commitment to create value for users. It is DEZO's responsibility to be responsible for each product, and customer satisfaction is the ultimate goal of DEZO's service; Being able to win the satisfaction of customers, employees and the society is the driving force for the progress of DEZO. We sincerely hope to join hands with friends at home and abroad to create a better tomorrow.



# Dezhong Bending Machine

新的技术 · 源自智慧的新境界

专利证书  
Patent certificate



品质保障  
Quality assurance



西门子数控系统  
Siemens CNC systems

日本油研液压系统  
Japan Yuken Hydraulic System

台湾爱默森直连电机和台达伺服电机  
施耐德电气件  
Taiwan Aimoxin direct-connected  
motor and Delta servo motor,  
Schneider Electric

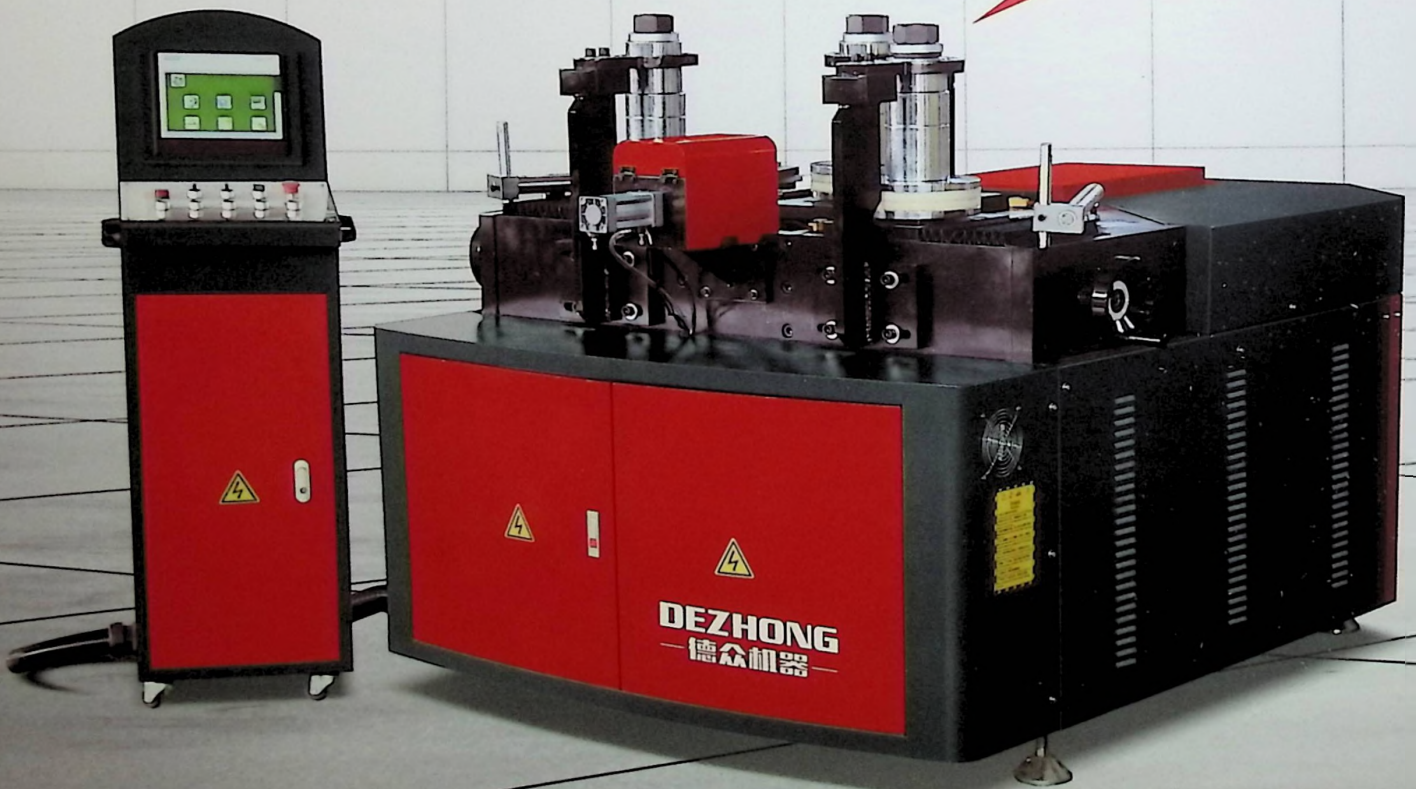
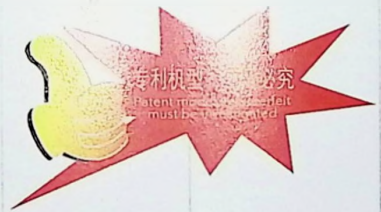
# LWYJ-80-40T

## 全自动数控三轴滚弯机

Fall Automatic 3-axis CNC Roll Bending Machine

该机具有高强度以及可靠的机械强度和刚性，能在各种复杂的环境中稳定可靠的运行。

The machine has high-strength and reliable mechanical strength and rigidity, and can run stably and reliably in various complex environments.





### 设备优势

- 该设备广泛应用于建筑门窗幕墙、汽车工业、高铁、航天航空、装饰装修、船舶、隧道桥梁、广告等行业中各种标准及非标金属型材的弯曲成形，如：U型、C型、圆形、椭圆形、多半径成型等。
- 该机采用全自动数控系统及专用弯曲成形软件，操作简单方便。
- 采用数控液压系统，确保定位精度。
- 根据型材成形回弹数据，经行系统补偿，加工精度高。

### Equipment Advantages

- The equipment is widely used in the bending forming of various standard and non-standard metal profiles, such as U-shaped, C-shaped, round, oval, multi-radius forming, etc. in the industries of building doors, windows and curtain walls, automobile industry, high-speed rail, aerospace, decoration, ships, tunnels and bridges, advertising, etc.
- The machine adopts automatic numerical control system and special bending forming software, which is simple and convenient to operate.
- Adopt numerical control hydraulic system to ensure positioning accuracy.
- According to the springback data of profile forming, the machining accuracy is high after systematic compensation.

### 技术参数 Technical Parameter

电源	Power supply	380V/50HZ
电机功率	Input power	13kW
工作气压	Working pressure	0.2MPa
最小弯弧半径	Min. diameter of bending	200mm
加工型材最大宽度	Max. width of profile	180×320mm
滚轮模具最大直径	Max. diameter of rolls	280mm
固定轮中心距	Lower shaft center-dimensions	500~920mm
液压缸压力	Hydraulic cylinder pressure	40T
滚轮主轴直径	Roller-holding shaft diameter	80mm
主轴转速	Rotation speed of shaft	1~8r/min
上轮定位精度	Positioning precision	±0.01mm
上轮最大行程	Top roll runout	300mm
扭矩	Torque	4500N.m
外形尺寸	Overall dimension	1840×1360×1350mm
机器重量	Machine weight	2500Kg

# LWYJ-80-30T

## 全自动数控四轴滚弯机

Fall Automatic 4-axis CNC Roll Bending Machine

该机具有高强度以及可靠的机械强度和刚性，能在各种复杂的环境中稳定可靠的运行。

The machine has high-strength and reliable mechanical strength and rigidity, and can run stably and reliably in various complex environments.





### 设备优势

- ◎ 该机广泛适用于建筑门窗幕墙、汽车工业、装修装饰、高铁、航空航天、隧道桥梁、户外广告等各行业中的标准及非标准金属型材的弯曲成形，如：S弯形、U形、C形、圆形、椭圆形及同型材多半径成形等。
- ◎ 根据型材滚弯形状要求，可便捷的进行三轴与四轴的转换。
- ◎ 该机采用全自动数控系统及专用弯曲成形软件，操作简单方便。
- ◎ 采用数控液压系统，确保定位精度。
- ◎ 根据型材成形回弹数据，经行系统补偿，加工精度高。

### Equipment Advantages

- ◎ The machine is widely used for bending and forming standard and non-standard metal profiles in various industries such as building doors, windows and curtain walls, automobile industry, decoration, high-speed rail, aerospace, tunnels and bridges, outdoor advertising, etc., such as S-shaped, U-shaped, C-shaped, round, oval and multi-radius forming of the same profile.
- ◎ According to the requirements of profile rolling shape, it is convenient to convert three axes and four axes.
- ◎ The machine adopts automatic numerical control system and special bending forming software, which is simple and convenient to operate.
- ◎ Adopt numerical control hydraulic system to ensure positioning accuracy.
- ◎ According to the springback data of profile forming, the machining accuracy is high after systematic compensation.

### 技术参数 Technical Parameter

电源	Power supply	380V/50HZ
电机功率	Input power	12kW
工作气压	Working pressure	0.2MPa
最小弯弧半径	Min. diameter of bending	180mm
加工型材最大宽度	Max. width of profile	150×320mm
滚轮模具最大直径	Max. diameter of rolls	230mm
固定轮中心距	Lower shaft center-dimensions	485mm
液压缸压力	Hydraulic cylinder pressure	30T
滚轮主轴直径	Roller-holding shaft diameter	80mm
主轴转速	Rotation speed of shaft	1~8r/min
上轮定位精度	Positioning precision	±0.01mm
上轮最大行程	Top roll runout	200mm
扭矩	Torque	6000N.m
外形尺寸	Overall dimension	1950×1380×1620mm
机器重量	Machine weight	2200Kg

## LWYJ-60

### 全自动数控四轴滚弯机 (变频型或高配双伺服型) Full Automatic 4-axis CNC Roll Bending Machine

该机具有高强度以及可靠的机械强度和刚性，能在各种复杂的环境中稳定可靠的运行。  
The machine has high-strength and reliable mechanical strength and rigidity, and can run stably and reliably in various complex environments.





### 设备优势

- 该机广泛适用于建筑门窗幕墙、汽车工业、装修装饰、高铁、航空航天、户外广告等各行业中的标准及非标准金属型材的弯曲成形，如：S弯形、U形、C形、圆形、椭圆形及同型材多半径成形等。
- 根据型材滚弯形状要求，可便捷的进行三轴与四轴的转换。
- 该机采用全自动数控系统及专用弯曲成形软件，操作简单方便。
- 采用数控液压系统，确保定位精度。
- 根据型材成形回弹数据，经行系统补偿，加工精度高。

### Equipment Advantages

- The machine is widely used in bending forming of standard and non-standard metal profiles in various industries such as building doors and windows curtain wall, automobile industry, decoration, high-speed rail, aerospace, outdoor advertising, etc., such as S-shaped, U-shaped, C-shaped, round, oval and multi-radius forming of the same profile.
- According to the requirements of profile rolling shape, it is convenient to convert three axes and four axes.
- The machine adopts automatic numerical control system and special bending forming software, which is simple and convenient to operate.
- Adopt numerical control hydraulic system to ensure positioning accuracy.
- According to the springback data of profile forming, the machining accuracy is high after systematic compensation.

### 技术参数 Technical Parameter

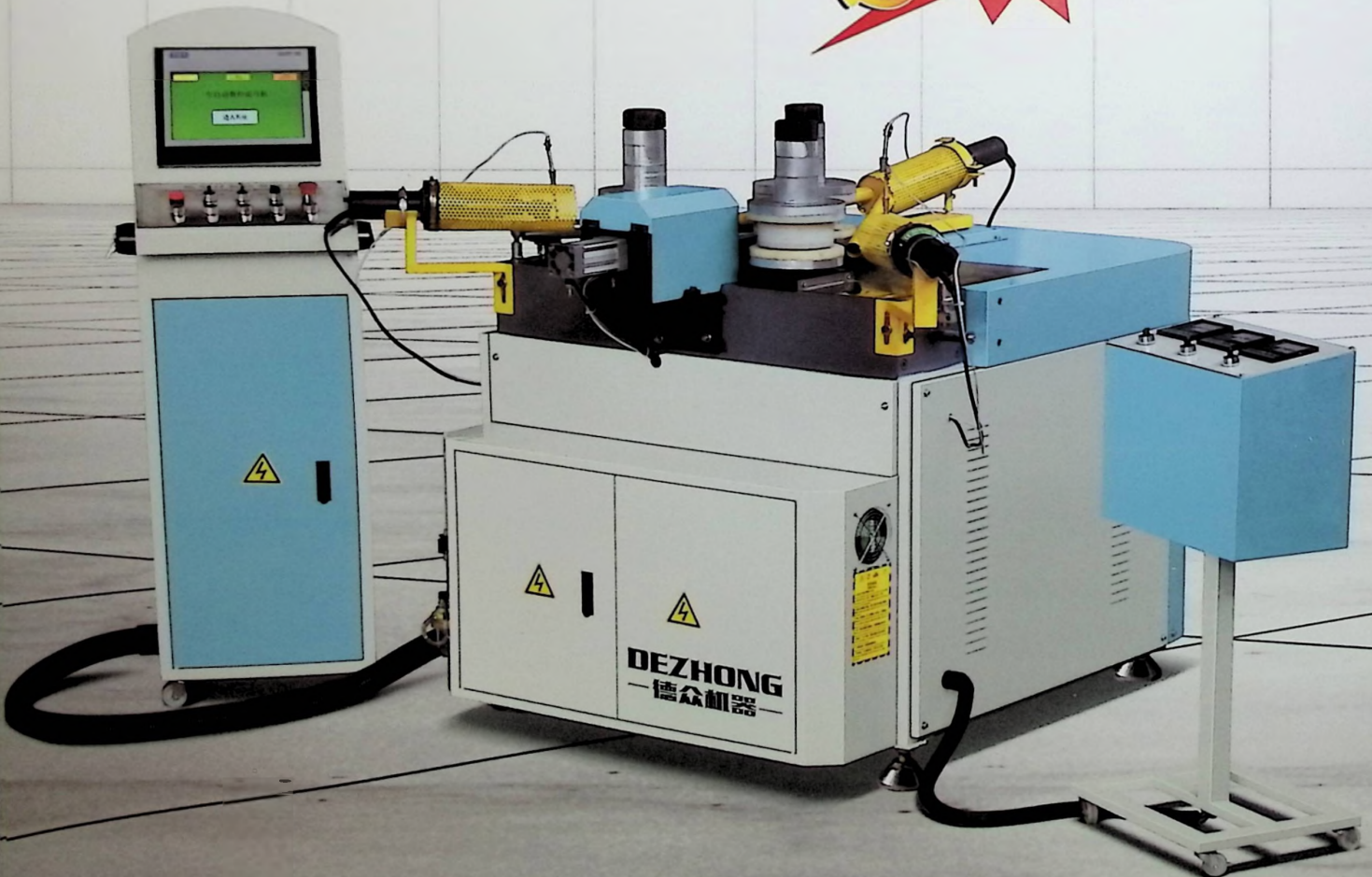
电源	Power supply	380V/50HZ
电机功率	Input power	7.5kW
工作气压	Working pressure	0.2MPa
最小弯弧半径	Min. diameter of bending	60mm
加工型材最大宽度	Max. width of profile	150×180mm
滚轮模具最大直径	Max. diameter of rolls	230mm
固定轮中心距	Lower shaft center-dimensions	380mm
液压缸压力	Hydraulic cylinder pressure	20T
滚轮主轴直径	Roller-holding shaft diameter	60mm
主轴转速	Rotation speed of shaft	1~8r/min
上轮定位精度	Positioning precision	±0.01mm
上轮最大行程	Top roll runout	260mm
扭矩	Torque	3500N.m
外形尺寸	Overall dimension	1570×1000×1275mm
机器重量	Machine weight	1600Kg

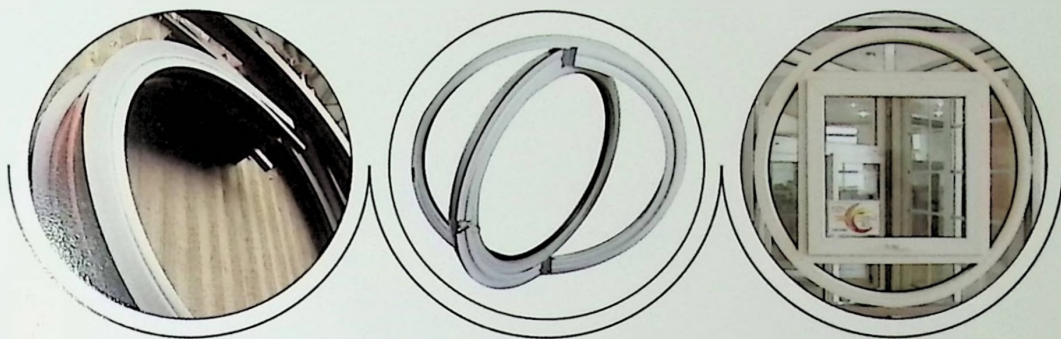
# LSWYJ-60/65

## 全自动数控滚弯机（变频型或高配双伺服型） Full Automatic CNC Roll Bending Machine

生产力最大化，实现自动和优化加工过程，高精度、持久、恒定的高品质产品加工。

Maximize productivity, automate and optimize processing processes, High - precision, durable and constant processing of high-quality products.





### 优势

- 该机加装了加热装置，适合各种塑料异型材的弯弧作业及各种金属型材的弯弧作业。
- 该机采用全自动数控系统及专用的弯弧软件，操作简单方便。
- 能根据型材的反弹数据，进行系统补偿，加工精度高。
- 采用数控油压系统控制，确保定位精确。
- 其产品性能达到欧洲先进数控弯弧机标准。

### Equipment Advantages

- The machine is equipped with a heating device, which is suitable for various plastic profile bending operations and various metal profile bending operations.
- The machine adopts automatic CNC system and special arc bending software, which is easy and convenient to operate.
- Can compensate system according to the rebound data of profiles, with high processing precision.
- CNC hydraulic system control ensures accurate positioning.
- Its product performance reaches European advanced CNC bending machine standard.

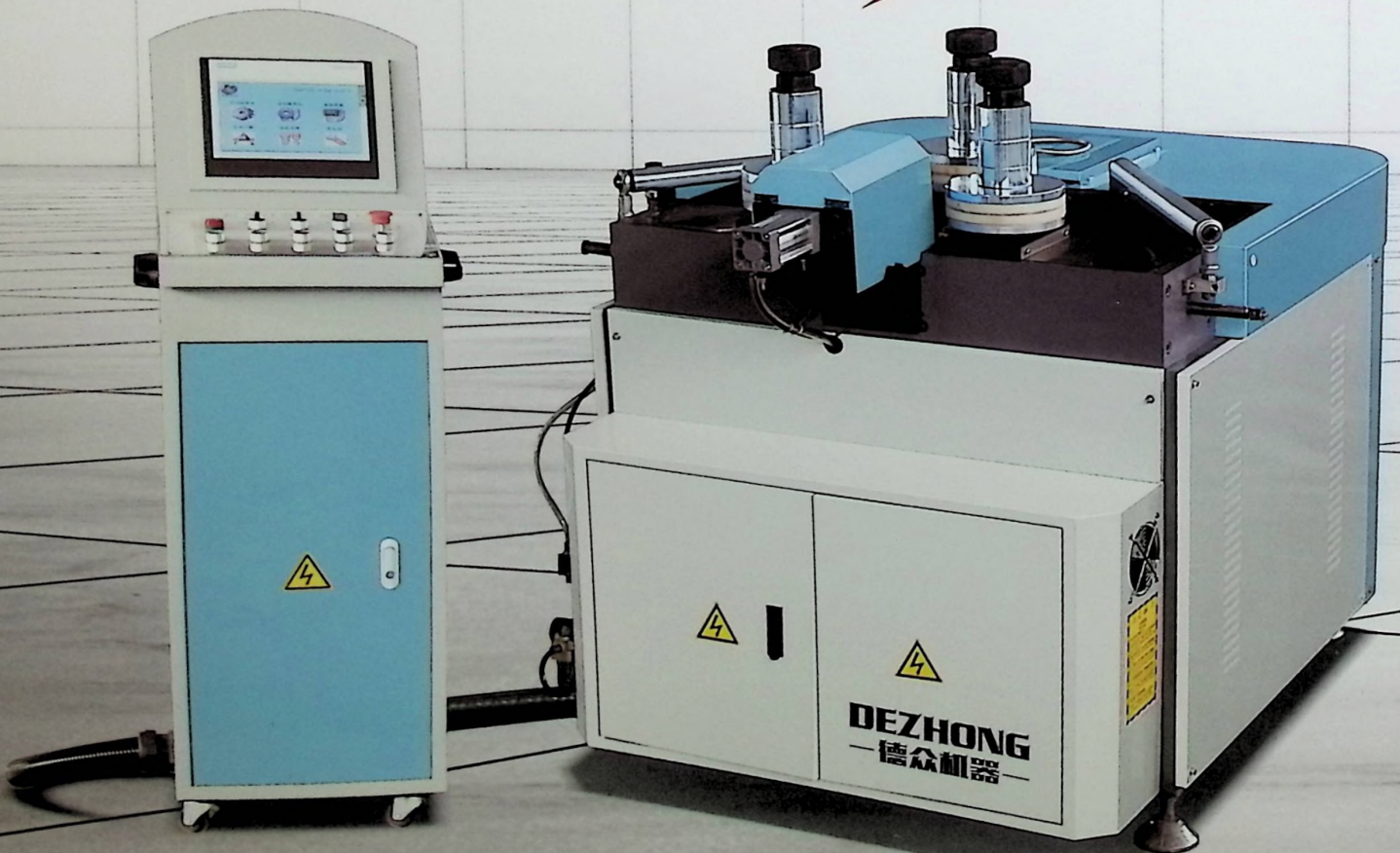
### 技术参数 Technical Parameter

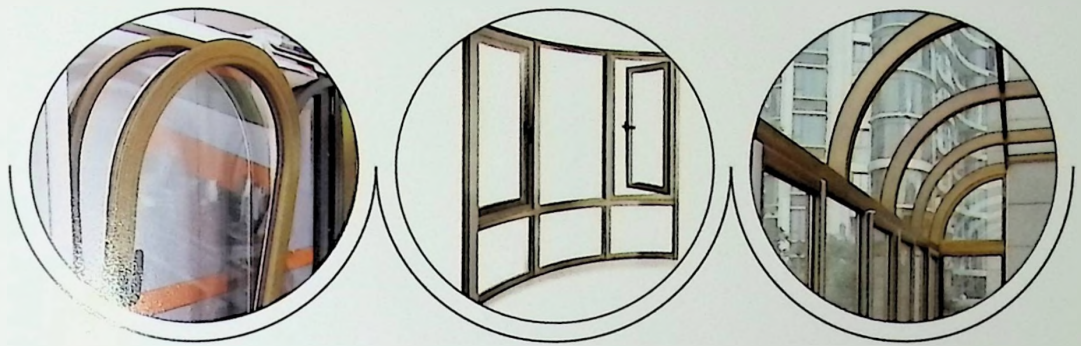
电源	Power supply	380V/50HZ
电机功率	Input power	10kW
工作气压	Working pressure	0.2MPa
最小弯弧半径	Min. diameter of bending	60mm
加工型材最大宽度	Max. width of profile	150×180mm
滚轮模具最大直径	Max. diameter of rolls	200mm
固定轮中心距	Lower shaft center-dimensions	350-750mm
液压缸压力	Hydraulic cylinder pressure	20T/25T
滚轮主轴直径	Roller-holding shaft diameter	60/65mm
主轴转速	Rotation speed of shaft	1~8r/min
上轮定位精度	Positioning precision	±0.01mm
上轮最大行程	Top roll runout	200/280mm
扭矩	Torque	2500N.m
外形尺寸	Overall dimension	1300×1100×1500mm
机器重量	Machine weight	1000Kg

# LWYJ-60/65

## 全自动数控滚弯机 (变频型或高配双伺服型) Full Automatic CNC Roll Bending Machine

高精密度并长时间保持可靠性，结构稳定、均衡，满足苛刻的加工要求，而不影响产品质量。  
High precision and long-term reliability, stable and balanced structure, meeting stringent processing requirements without affecting product quality.





### 设备优势

- 适用于各种金属型材或异型材（铝合金门窗型材，隔热断桥型材）的弯弧加工作业。
- 系统采用全自动数控系统及专用的弯弧软件，操作简单方便。
- 根据型材的反弹数据，进行系统补偿，加工精度高。
- 采用数控油压系统控制，确保定位精确。
- 其产品性能达到欧洲先进数控弯弧机标准。

### Equipment Advantages

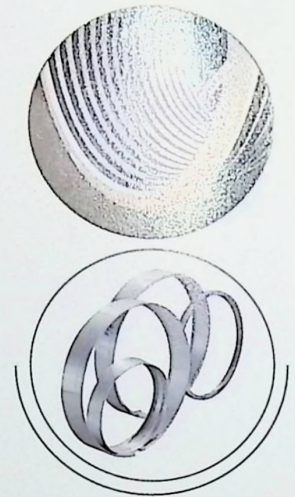
- DEZO automatic CNC bending machine is suitable for bending arc machining of various metal profiles or special profiles (aluminum door and window profiles, thermal-break profiles).
- The machine adopts automatic CNC system and special arc bending software, which is easy and convenient to operate.
- Can compensate system according to the rebound data of profiles, with high processing precision.
- CNC hydraulic system control ensures accurate positioning.
- Its product performance reaches European advanced CNC bending machine standard.

### 技术参数 Technical Parameter

电源	Power supply	380V/50HZ
电机功率	Input power	5.2kW
工作气压	Working pressure	0.2MPa
最小弯弧半径	Min. diameter of bending	60mm
加工型材最大宽度	Max. width of profile	150×180mm
滚轮模具最大直径	Max. diameter of rolls	200mm
固定轮中心距	Lower shaft center-dimensions	350-750mm
液压缸压力	Hydraulic cylinder pressure	20T/25T
滚轮主轴直径	Roller-holding shaft diameter	60/65mm
主轴转速	Rotation speed of shaft	1~8r/min
上轮定位精度	Positioning precision	±0.01mm
上轮最大行程	Top roll runout	200/280mm
扭矩	Torque	2500N.m
外形尺寸	Overall dimension	1300×1100×1100mm
机器重量	Machine weight	1000Kg

# LLWYJ-60/65

全自动数控立式滚弯机 (变频型或高配双伺服型)  
Full Automatic CNC vertical Roll Bending Machine



## 设备优势

- 适合于铝型材及各种金属型材的滚弯加工。
- 采用进口数控系统控制。
- 采用专业设计的滚弯软件。
- 能够弯曲 C 型、U 形、椭圆形、整圆形、弹簧等形状。
- 采用数控液压系统，定位精度  $\leq 0.01\text{mm}$ 。
- 使用特殊材料滚轮，使型材弯弧时不变形表面无刮痕。

## Equipment Advantages

- Suitable for bending alum profile and other metal profile.
- With CNC controlling system.
- With special developed bending software.
- Can bend C type, U type, oval type, circle type, spring and other type.
- With CNC hydraulic system, location accuracy  $\leq 0.01\text{mm}$ .
- With special material rolling wheel to make the profile bended without surface damaged.

## 技术参数 Technical Parameter

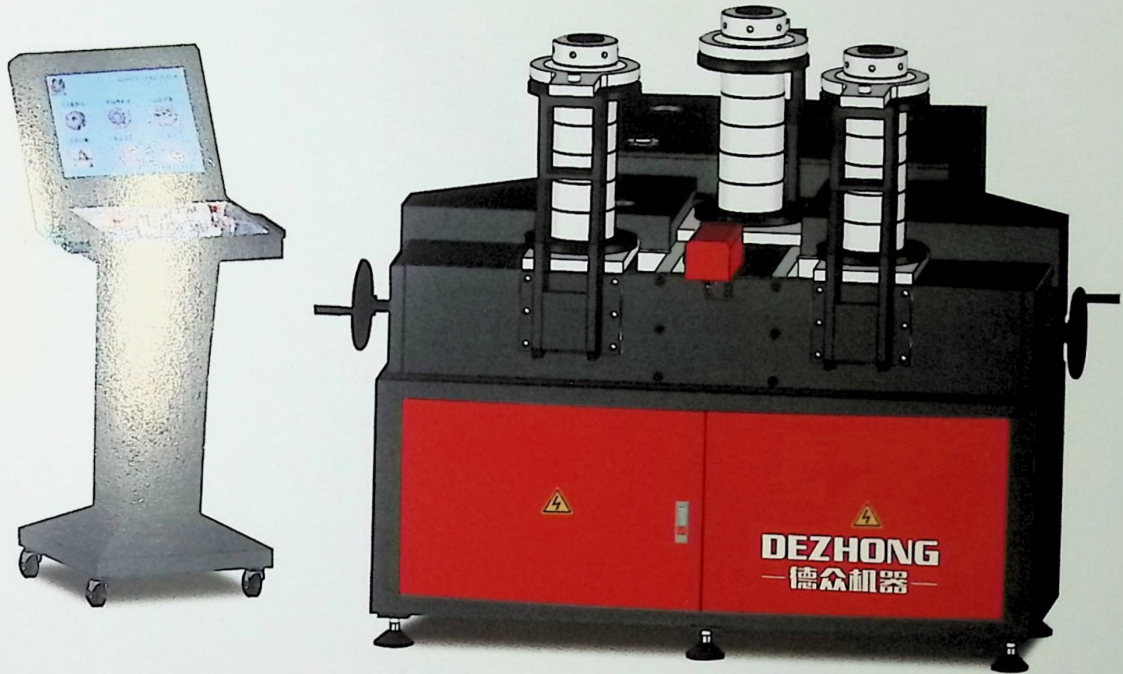
电源	Power supply	380V/50HZ
电机功率	Input power	5.15kW
工作气压	Working pressure	0.2MPa
最小弯弧半径	Min. diameter of bending	60mm
加工型材最大宽度	Max. width of profile	150mm
滚轮模具最大直径	Max. diameter of rolls	180mm
固定轮中心距	Lower shaft center-dimensions	350mm
液压缸压力	Hydraulic cylinder pressure	20T
滚轮主轴直径	Roller-holding shaft diameter	60/65mm
主轴转速	Rotation speed of shaft	1~8r/min
上轮定位精度	Positioning precision	$\pm 0.01\text{mm}$
上轮最大行程	Top roll runout	150mm
扭矩	Torque	2500N.m
外形尺寸	Overall dimension	1000×800×1600mm
机器重量	Machine weight	800Kg

# LWYJ-130-65T



## 全自动数控三轴滚弯机

Fall Automatic 3-axis CNC Roll Bending Machine



### 设备优势

- 该机适用于大型建筑型材、高铁、隧道桥梁、航空航天、船舶制造等行业中大端面金属型材的圆弧成型（U型、圆形、椭圆形、多个半径组合成型等）。
- 采用全自动数控系统及专用的成型软件，操作简单方便。
- 能根据型材成型后的回弹量进行系统补偿，成型精度高。
- 采用数控液压系统控制，确保了可靠的定位精度。

### Equipment Advantages

- This machine is suitable for circular arc forming of large end face metal profiles (U-shaped, round, oval, multi-radius combined forming, etc.) in large building profiles, high-speed rail, tunnel bridges, aerospace, shipbuilding and other industries.
- The automatic numerical control system and special molding software are adopted, so the operation is simple and convenient.
- System compensation can be carried out according to the springback amount of the profile after molding, and the molding precision is high.
- The numerical control hydraulic system is adopted to ensure reliable positioning accuracy.

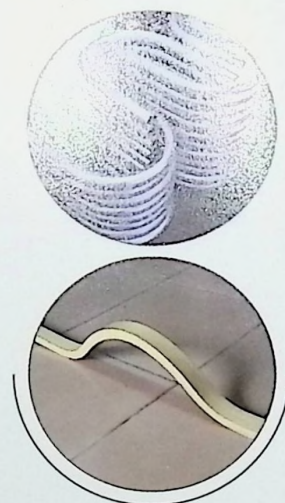
### 技术参数 Technical Parameter

电源	Power supply	380V/50HZ
电机功率	Input power	22kW
工作气压	Working pressure	0.2MPa
最小弯弧半径	Min. diameter of bending	200mm
加工型材最大宽度	Max. width of profile	200×400mm
滚轮模具最大直径	Max. diameter of rolls	300mm
固定轮中心距	Lower shaft center-dimensions	630~1300mm
液压缸压力	Hydraulic cylinder pressure	65T
滚轮主轴直径	Roller-holding shaft diameter	130mm
主轴转速	Rotation speed of shaft	1~8r/min
上轮定位精度	Positioning precision	±0.01mm
上轮最大行程	Top roll runoff	390mm
扭矩	Torque	9000N.m
外形尺寸	Overall dimension	1840×1780×1660mm
机器重量	Machine weight	3000Kg

# LWYJ-30

## 小半径全自动数控滚弯机

Fall Automatic CNC Roll Bending Machine



### 设备优势

- 该机广泛应用于镜框型材弯曲成形、薄料及滚弯半径相对较小的金属材料。
- 采用专业设计的滚弯软件。
- 能够弯曲 C 型、U 形、椭圆形、整圆形、弹簧等形状。
- 采用数控液压系统，定位精度  $\leq 0.01\text{mm}$ 。
- 使用特殊材料滚轮，使型材弯弧时不变形表面无刮痕。

### Equipment Advantages

- This machine is widely used in the bending forming of frame profiles, thin materials and metal materials with relatively small rolling radius.
- With special developed bending software.
- Can bend C type, U type, oval type, circle type, spring and other type.
- With CNC hydraulic system, location accuracy  $\leq 0.01\text{mm}$ .
- With special material rolling wheel to make the profile bended without surface damaged.

### 技术参数 Technical Parameter

电源	Power supply	380V/50HZ
电机功率	Input power	1.85kW
工作气压	Working pressure	0.2MPa
最小弯弧半径	Min. diameter of bending	30mm
加工型材最大宽度	Max. width of profile	90mm
滚轮模具最大直径	Max. diameter of rolls	90mm
固定轮中心距	Lower shaft center-dimensions	85mm
液压缸压力	Hydraulic cylinder pressure	机械传动
滚轮主轴直径	Roller-holding shaft diameter	30mm
主轴转速	Rotation speed of shaft	1-8r/min
上轮定位精度	Positioning precision	$\pm 0.01\text{mm}$
上轮最大行程	Top roll runout	90mm
扭矩	Torque	1750N.m
外形尺寸	Overall dimension	1010×560×1035mm
机器重量	Machine weight	400Kg

# LWJ-25A



## 全自动数控拉弯机

Fall Automatic CNC Stretch Bending Machine



### 设备优势

- 该机广泛适用于建筑门窗幕墙、高铁、隧道桥梁、航空航天、汽车工业、风力发电、船舶制造等行业中非标准金属型材的圆弧成型。
- 采用全自动数控系统及专用的成型软件，操作简单方便。
- 采用数控液压系统控制，确保了可靠的成形精度。

### Equipment Advantages

- The machine is widely used for arc forming of non-standard metal profiles in building doors and windows curtain wall, high-speed rail, tunnel bridge, aerospace, automobile industry, wind power generation, shipbuilding and other industries.
- The automatic numerical control system and special molding software are adopted, so the operation is simple and convenient.
- The numerical control hydraulic system is adopted to ensure reliable forming precision.

### 技术参数 Technical Parameter

电源	Power supply	380V/50HZ
电机功率	Input power	16.5kW
夹口断面尺寸	Section size of nip	180×200mm
最小拉弯半径	Min. bending radius	500mm
拉弯长度	Stretch bending length	1800~6500mm
转臂拉弯速度	Bending speed of rotating arm	0.05 弧度/秒
转臂回程速度	Return speed of rotary arm	0.12 弧度/秒
转臂液压缸最大推拉力	Max. pushing force of hydraulic cylinder of swivel arm	490/370KN
拉伸缸最大推拉力	Max. pushing force of stretching cylinder	490/335KN
夹头油缸最大夹紧力	Max. clamping force of chuck cylinder	135/230KN
单臂最大拉力	Max. pulling force of single arm	20T/30T
油箱容量	Tank capacity	580L
工作时占地最大面积	Max. floor area when working	11.5×8m
机器重量	Machine weight	8800Kg

## 全自动数控滚弯机

### Fall Automatic CNC Roll Bending Machine

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#### 加工材质及形状多，应用广泛

Processing materials and shapes are numerous and widely used

可弯曲 C 形、U 形、椭圆形、整圆形、S 形及面包弧等不同形状，可弯曲材质主要有铁、不锈钢、铜、铝等金属及塑料、隔热断桥、铝合金门窗型材等异型材。

It can be bent into different shapes such as C-shaped, U-shaped, elliptical, full-circular, S-shaped and bread-shaped arcs. The bendable materials mainly include iron, stainless steel, copper, aluminum and other metals and plastics, thermal break profiles, aluminum alloy door and window profiles.

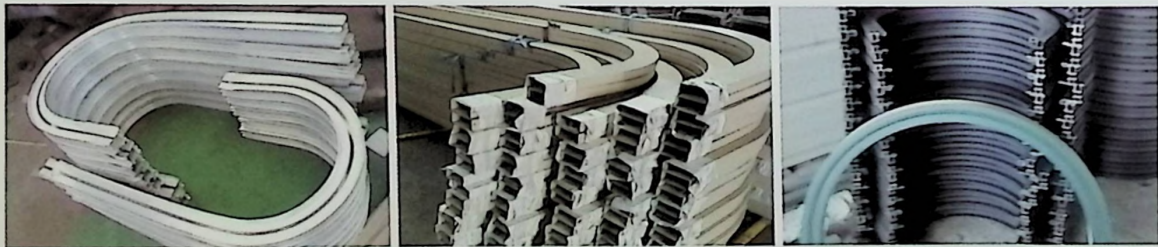
#### 精细加工

Fine machining



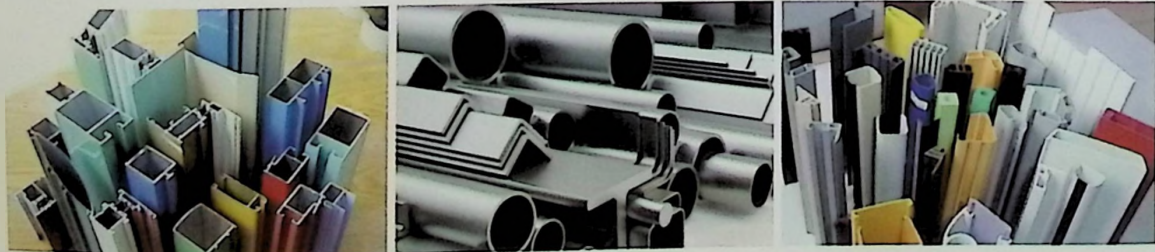
#### 弯弧成品

Arc bending finished product



#### 适用材料

Applicable materials



# Dezhong **Bending** Machine

德众 -- 一直做最适合用户的设备

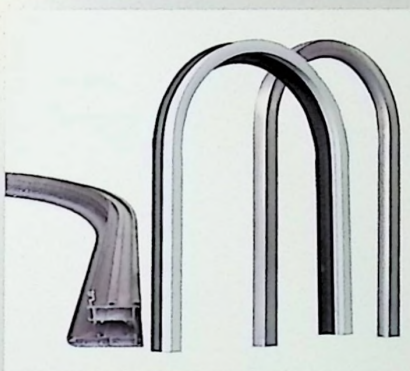
加工样品展示

Processing sample display

C-形 C-shaped



U-形 U-shaped



半圆形 Half circle



圆形 / 椭圆形 Round/Oval



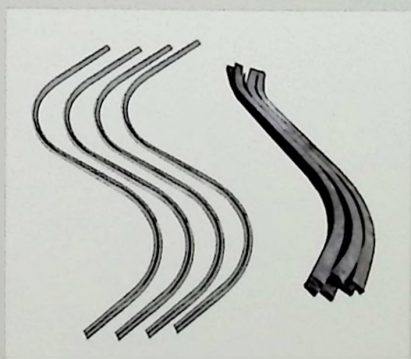
面包弧 Breadfruit



异形 Abnormity



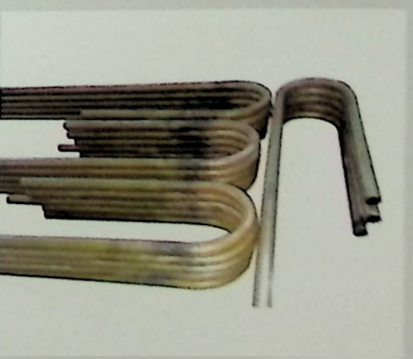
S-形 S-shaped



超大断面弯弧 Large section



铜材弯弧 Copper bending arc





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