XS-75CNC-2A-1S servo automatic pipe bending machine

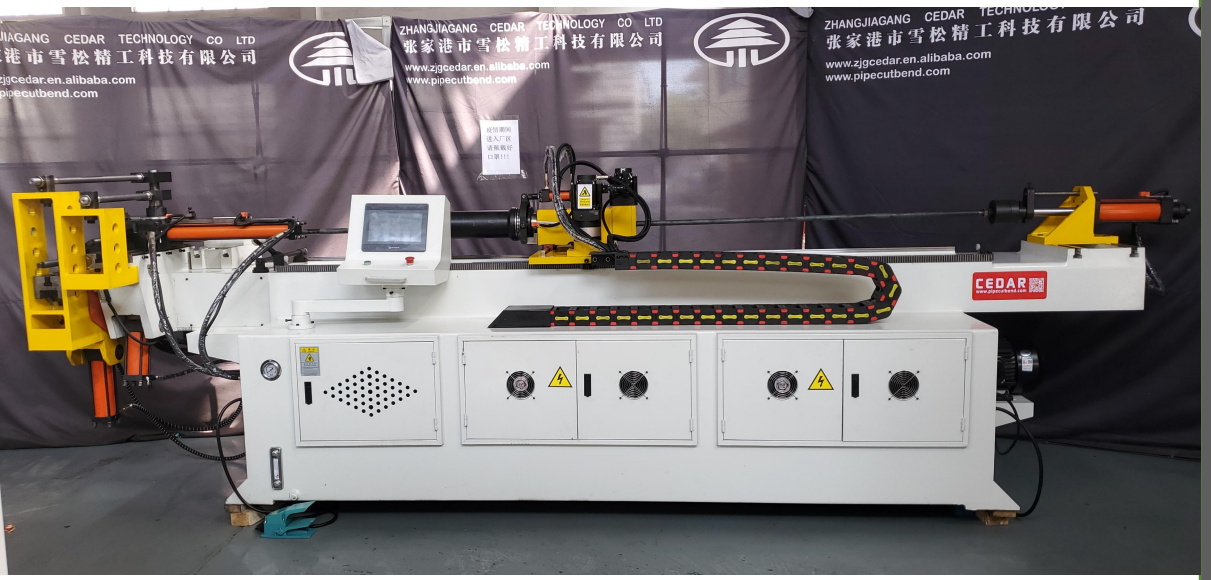
Factory direct sales/One year warranty/lifetime maintenance

Zhangjiagang cedar Technology Co., LTD

catalogue

1	Product features introduction	3
2	Sample display	4
3	Product details	6
4	Equipment parameter	15
5	Equipment configuration	16
6	Combination purchase	18
7	Business partner	19
8	Corporate advantage	20
7	Company qualification	21
9	After-sales service	22

CEDAR



Product special point

1. This model is an economical automatic three-dimensional CNC pipe bending machine, that is, it can hydraulic automatic bending, servo automatic feeding, servo automatic tilt Angle, three-dimensional pipe fittings can be automatically bent at one time, the feed and tilt axes are driven by servo motor and servo drive control, the bending shaft is controlled by oil pressure numerical control, auxiliary push through the regulator to adjust the matching speed.
2. Feed and tilt two axes can be selected by computer to set 1-8 speed according to the actual workpiece situation. The bending shaft adjusts the matching speed through a pressure regulator.
3. Electric control system adopts well-known brand controller, super large PLC, strong performance and good stability.
4. Equipped with 10.4 "color touch screen, man-machine dialogue operation, easy to understand. All bending data can be entered by touch screen.
5. The screen display text is equipped with Chinese and English, which can be switched. Other languages can be selected if required.
6. Each pipe fitting can be set up 32 bends (or customized by the user), and the memory capacity can store 330 groups (or 125 groups) of bending data.
7. Key lock function after data editing is completed to prevent data from being modified arbitrarily.
8. With power off memory function, data can be permanently stored.
9. Manual, semi-automatic and fully automatic operation mode can be set. During the test bend, you can choose to manually decompose the action, observe the interference point, and modify the action.
10. Each bend can be set feeding, bending, rotating tube three axes with or different movement, to avoid interference points, so as to improve production efficiency. There are eight ways to choose from: ① feeding → bending → tilting; ② (feed + backbend) → tilting; ③ (feed + bending + tilting); ④ Feed → tilting → bending; ⑤ (feed + tilt) → backbend; ⑥ Backbending → feed → tilting; ⑦ Tilting → bending → feeding; ⑧ Backbending →(feed + tilt).
11. Each bend can set the rebound compensation value and demoulding gap due to the change of material.
12. There are two feeding methods: direct feeding and clamping. When the core is not worn, clamping can be selected, and the length of the workpiece is not limited.
13. The setting of material position, safety position, wheel mold interference position, guide mold interference position, etc., can be fine-tuning operation, the computer has automatic memory position function, eliminate the failure of human measurement error and machine collision, and has the limit stop function before and after, which is a double safety insurance.
14. When selected as the direct delivery mode, the function of measuring the bending stretch ratio of pipe fittings is convenient to calculate the actual length of material consumption of pipe fittings.
15. There is a counting function for the workpiece.
16. There are two axes zero function at the same time, just press the button. It is not necessary to zero the two axes respectively, which saves time and is accurate.
17. Automatic detection of errors or machine failure function, and displayed on the screen, easy for the operator to eliminate.
18. Equipped with servo proportional valve control flow is not affected by oil temperature, high precision, stable equipment.

Sample display

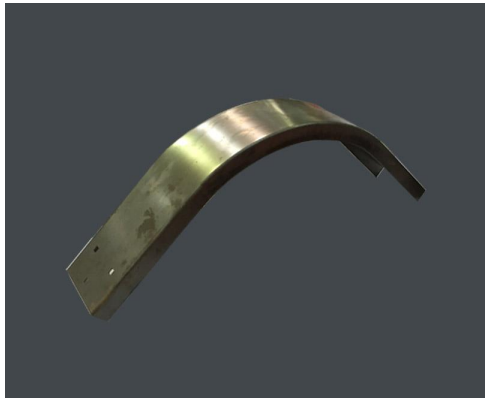
Sample display of Zhangjiagang cedar technology Co., Ltd



square



circular



brass



stainless steel



iron pipe



special-shaped



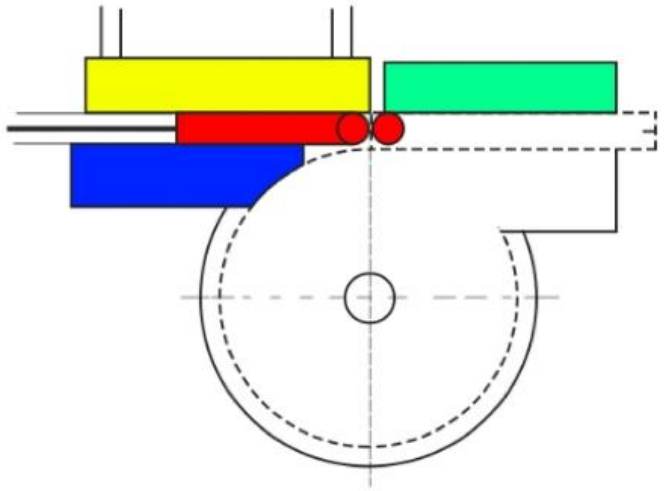
special-shaped

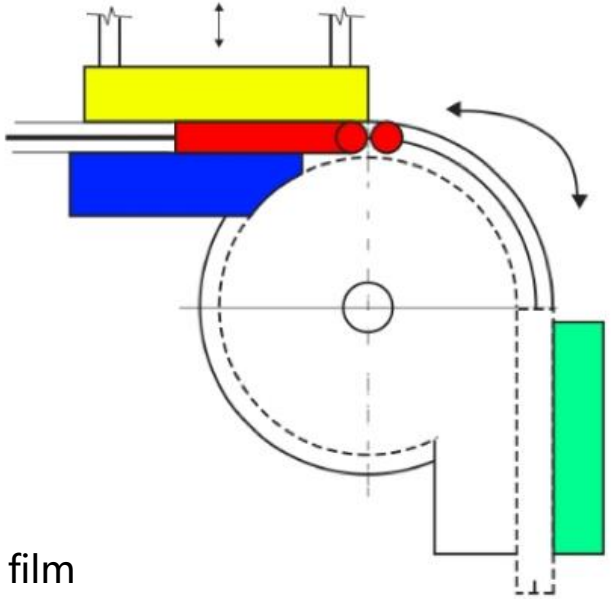


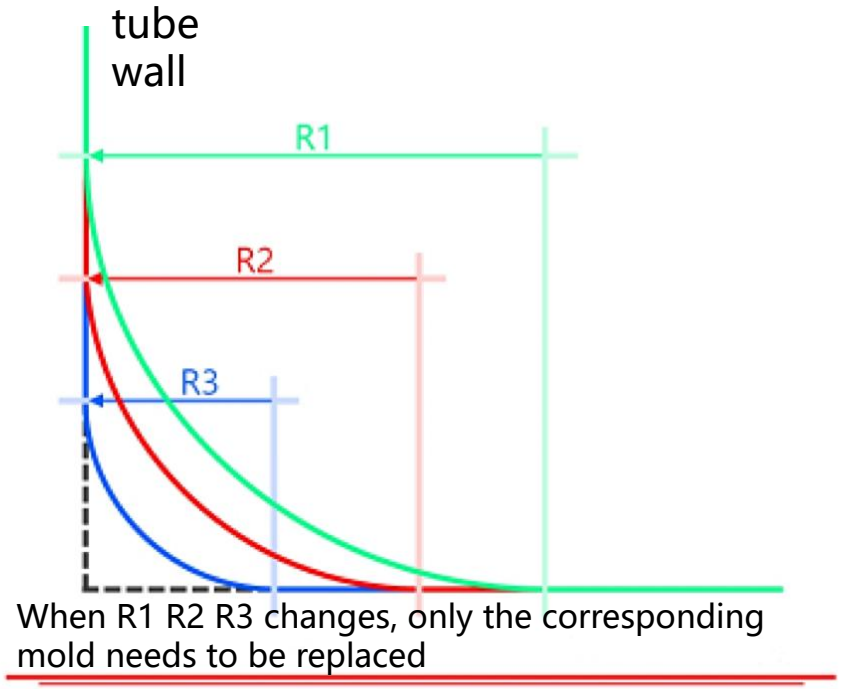
special-shaped

Principle of Bend pipe

Product details of Zhangjiagang cedar technology Co., Ltd







When R1 R2 R3 changes, only the corresponding mold needs to be replaced

Anti wrinkle film

Auxiliary pushing film

Mandrel

Main clamp

Please tell me, what is the bending radius of your pipe?

Product details

Product details of Zhangjiagang cedar technology Co., Ltd



automatic detection

Automatically detect errors or machine malfunctions and display them on the screen for easy troubleshooting by the operator.

Product details

Product details of Zhangjiagang cedar technology Co., Ltd



Angle accuracy ±0.1°

Mitsubishi servo motors drive worm gears and worms to tighten the barrel and rotate the workpiece. Long life, stronger hand, higher accuracy.

Feeding accuracy ±0.1mm

The Mitsubishi servo motor drives the rack and pinion to make the feed trolley feed along the linear guide rail.

Product details

Product details of Zhangjiagang cedar technology Co., Ltd



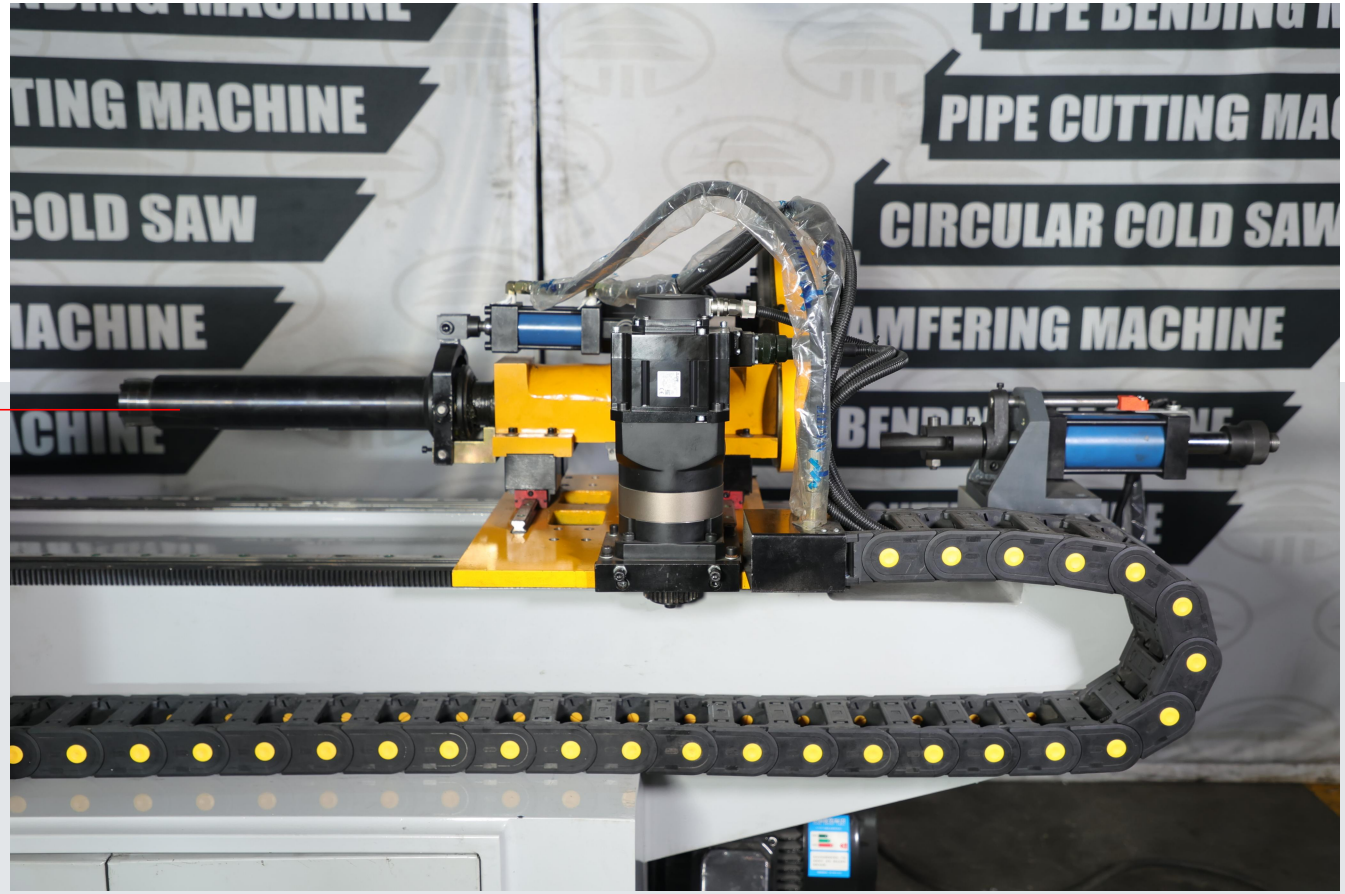
mould

Molds can be customized according to different pipe fittings, and multiple molds can be superimposed to achieve different bending radii on a pipe fitting.

Product details

Product details of Zhangjiagang cedar technology Co., Ltd

Feed the barrel

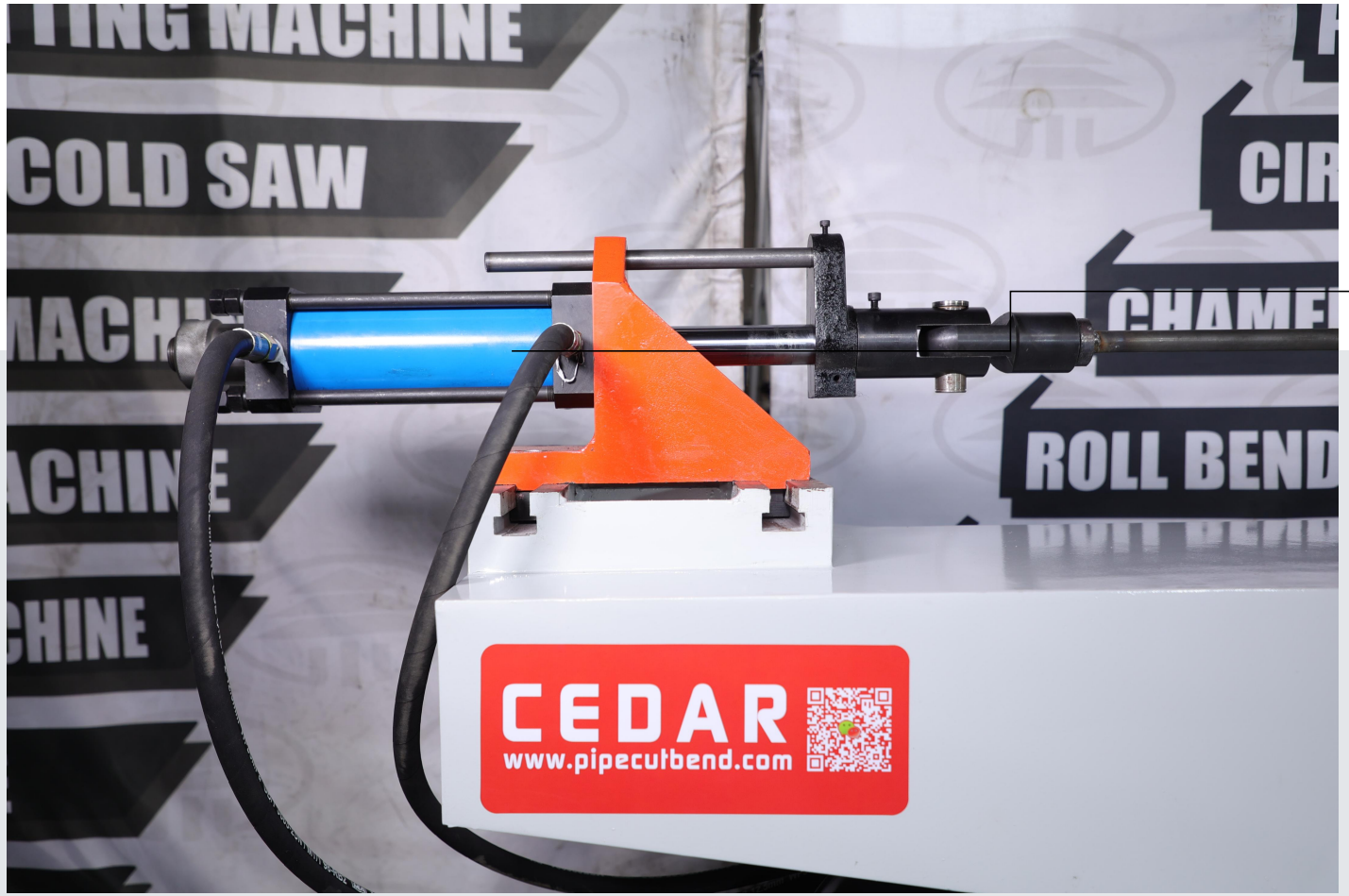


Feed the barrel

Prevent feed servo motor alarm, when the material is clamped,
The tail end will produce a shaking force, if the floating structure is not used, it will produce vibration resulting in accurate feed servo motor induction alarm.

Product details

Product details of Zhangjiagang cedar technology Co., Ltd



The core cylinder

The core cylinder controls the pipe fittings without deformation during bending.

Product details

Product details of Zhangjiagang cedar technology Co., Ltd

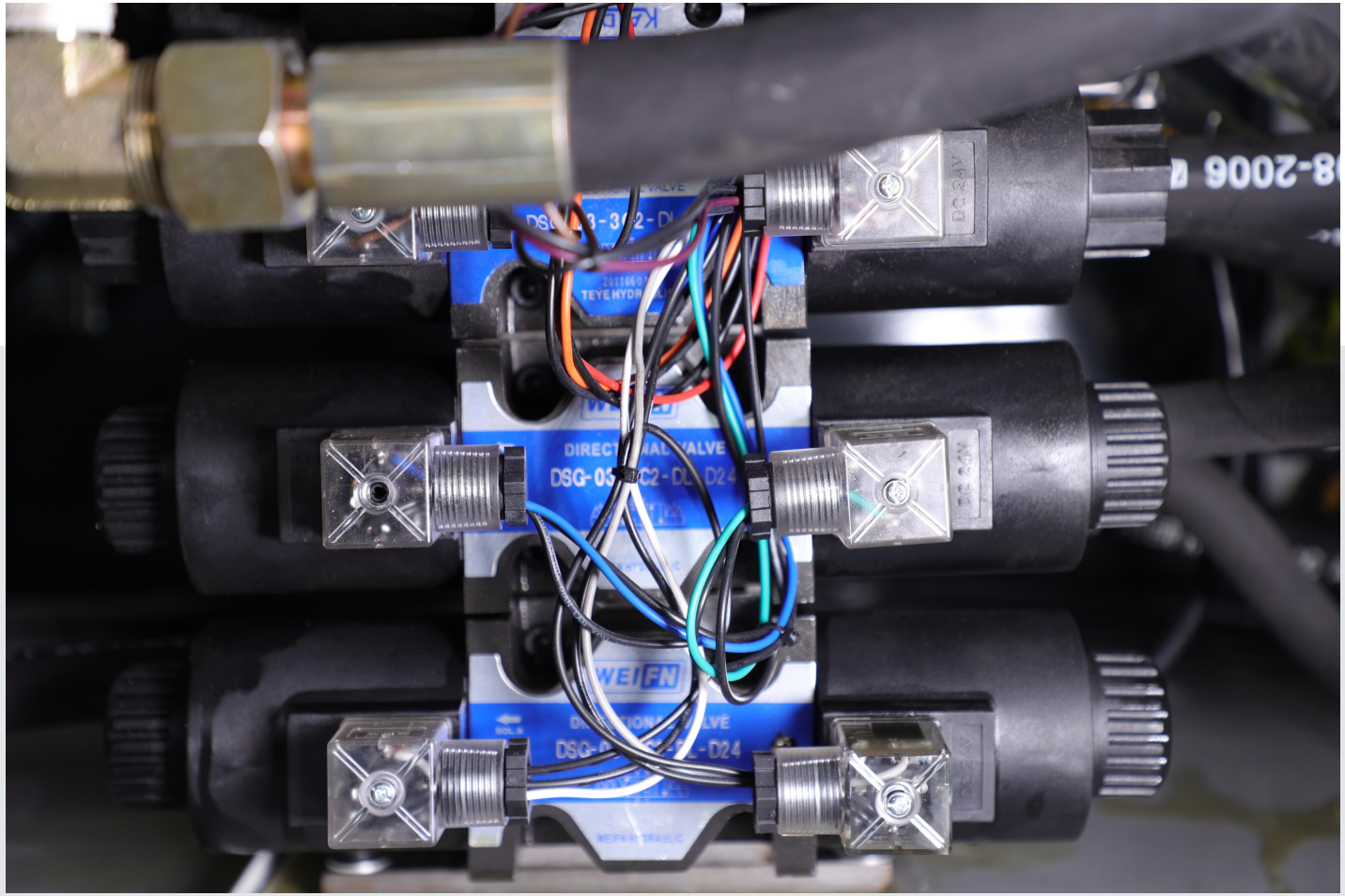


Schneider electric control System

Brand air switch and AC contact are used
Device, thermal overload protector and other high-end electrical appliances, sex
Can be stable.

Product details

Product details of Zhangjiagang cedar technology Co., Ltd

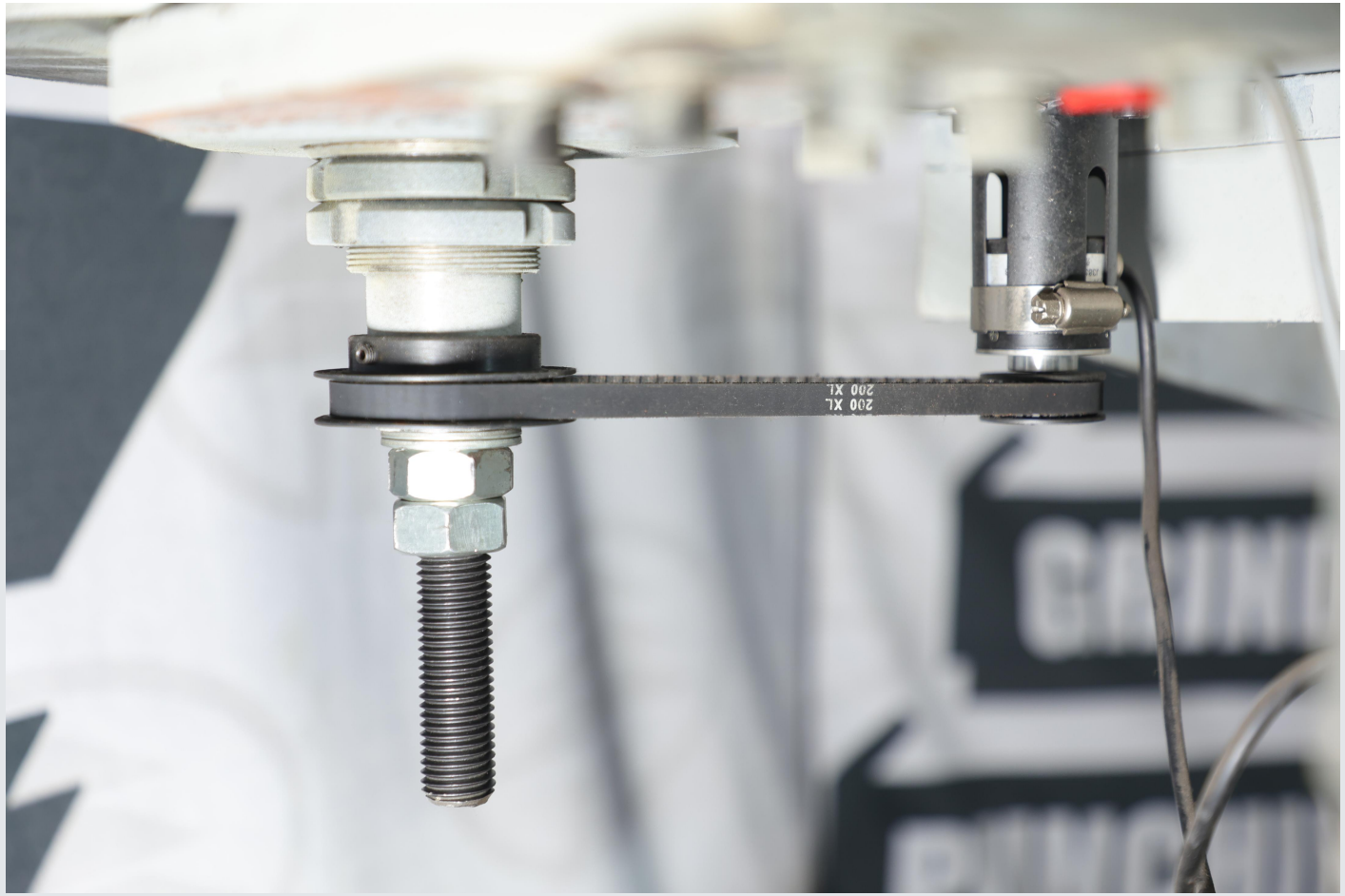


Solenoid valve

The solenoid valve is responsible for controlling the opening and closing of the oil circuit and running the stable and unstuck valve.

Product details

Product details of Zhangjiagang cedar technology Co., Ltd



encoder

Internal control encoder, can be set up 16 bending number.

Comparison of product models

Product details of Zhangjiagang cedar technology Co., Ltd

Single head pipe bending machine parameters								
Single head hydraulic pipe bending machine	**unit**	**SB-38NC**	**SB-50NC**	**SB-63NC**	**SB-75NC**	**SB-89NC**	**SB-100NC**	**SB-114NC**
Maximum use of carbon steel pipes	mm	φ38*2.0mm	Φ50*2.5mm	Φ63*3.5mm	Φ75x4.0mm	φ89*5.0mm	Φ100*6.0mm	Φ114*7.0mm
Maximum iron square tube	mm	25*25*2.0	40*40*2.0	45*45*3.0	60*60*3.0	75*75*3.0	75*75*4.0	85*85*4.0
Maximum use of stainless steel pipes	mm	Φ32*1.5mm	Φ45*1.5mm	Φ50*2.0mm	φ65*2.0mm	φ75*2.0mm	φ85*3.0mm	φ100*3.5mm
Maximum bending radius	mm	200mm	250mm	300mm	350mm	400mm	420mm	450mm
Maximum bending angle	°	190°	190°	190°	190°	190°	190°	190°
Maximum core length	mm	1700mm	2200mm	2400mm	3500mm	4000mm	4000mm	4200mm
The number of bends that can be set per tube		16	16	16	16	16	16	16
Machine dimensions	mm	2400*750*1200	3000*850*1200	3300*850*1250	4600*1300*1300	5200*1300*1400	5300*1400*1450	5700*1800*1450
machine weight	KG	700KG	1100KG	1400KG	2800KG	3800KG	4200KG	5800KG
Parameters of fully automatic pipe bending machine								
Parameters of fully automatic pipe bending machine	**unit**	**SB-18CNC-2A1S**	**SB-38CNC-2A1S**	**SB-50CNC-2A1S**	**SB-63CNC-2A1S**	**SB-75CNC-2A1S**	**SB-89NC-2A1S**	**SB-114CNC**
Maximum use of carbon steel pipes	mm	Φ18*1.5	Φ38*2.5	Φ50*2.0	Φ63*2.0	Φ75*4.0	Φ89*6.0	Φ114*8.0mm
Maximum iron square tube	mm	□14*1.2	□32*1.5	□32*1.8	□50*2.0	±0.1°	□65*3.5	□100*3.5mm
Maximum use of stainless steel pipes	mm	Φ12*1.2	Φ32*1.8	Φ45*2.0	Φ50*2.0	Φ65*2.5	Φ76*3.0	Φ100*5.0mm
Maximum bending radius	mm	≥1.5D	≥1.5	≥1.5D	≥1.5D	≥1.5D	≥1.5D	≥1.5D
Maximum bending angle	mm	80	180	200	300	400	450	500
Maximum bending angle	°	190	190	190°	190	190°	190°	190°
Maximum core length	mm	1500	2500	2200	3000	2800	3000	3500
Machine dimensions	mm	3200X800X1250	4200X900X1300	4600X950X1350	5200X950X1350	4900*1200*1360	5090*1230*1350	7400*1400*1800
machine weight	KG	1000	1500	1800	1800	2600	5000	8000

Equipment parameter

Equipment configuration of Zhangjiagang cedar technology Co., Ltd

item	unit	XS-75CNC-2A-1S
Maximum bending carbon steel pipe	mm	Φ75*4.0
The largest iron square tube	mm	±0.1°
Maximum bending stainless steel pipe	mm	Φ65*2.5
Minimum bending radius	°	≥1.5D
Maximum bending radius	mm	400
Maximum bending Angle	°	190°
Maximum core length	㎜/S	2800
Feeding accuracy	KW	±0.1°
Feed rate		200-1000
Feed servo motor power	°	1.5
Feeding mode	°/S	Direct feed clip boost
Angle accuracy	KW	±0.1°
Angular velocity	°	160
Rotation servo motor power	°/S	1
Bending accuracy	KW	±0.1°
Bending system		Hydraulic pipe bending
The number of bends can be set		36
Oil pump motor power	KW	7.5
Maximum pressure	MPa	14
Tank capacity	L	250
Machine size	mm	4900*1200*1360
Machine weight	KG	2600

Equipment configuration

Equipment configuration of Zhangjiagang cedar technology Co., Ltd

PLC controller	**Mitsubishi**
Tilting servo motor	**Mitsubishi**
Feed servo motor	**Mitsubishi**
Tilting servo drive	**Mitsubishi**
Feed servo driver	**Mitsubishi**
Oil pump motor	**Wuxi Taihu Motor**
Proximity switches and other electrical appliances	**Omron or Schneider**
Rotary encoder	**Omron or internal control**
Hydraulic oil pump	**Wing Ling Taiwan**
Hydraulic solenoid valve	**Oil milling**
Oil cylinder	**Precision self-made**

Equipment supply list

Equipment configuration of Zhangjiagang cedar technology Co., Ltd

Serial number	name	quantity	remark
1	Main machine of pipe bender	1Taiwan	
2	Electric control operating cabinet	1a	main-attached
3	Slow core withdrawal device	1Set of	main-attached
4	Anti-wrinkle device	1Set of	main-attached
5	this Pipe bending die	1pay	Random
6	Mandrel bar	1the	
7	Toolbox	1only	
8	Allen wrench (1 set)	9a	
9	Open end wrench	1the	
10	Grease gun	1the	
11	Grease nozzle	2the	
12	Product inspection record form	1Copy of the	
13	Product certificate	1page	
14	Packing list	1page	
15	Operating instructions (including)	1this	

Combination purchase

Combination purchase



pipe cutter



Chamfering machine



contracting pipe machine

Partners

The user can demonstrate on a projector or computer, or print the presentation and make it into a film to be used

Silver linear guide rail

Seven oceans

Vylon screen

Siemens

Mitsubishi

Internal secrecy control

Schneider

Oil milling

Omron

A surname

Yaskawa

Delixi

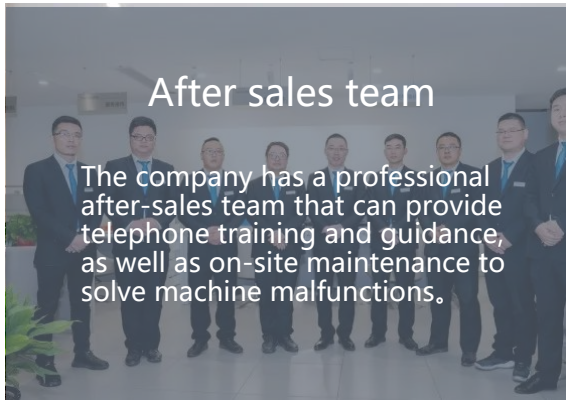
Company advantages

Product advantages of Zhangjiagang cedar technology Co., Ltd

Zhangjiagang Cedar Technologies

Zhangjiagang Cedar Precision Technology Co., Ltd. is located in Zhangjiagang, an emerging port industrial city at the intersection of the coastal and Yangtze River economic development zones. It is a new type of enterprise that integrates the development and production of industrial automation systems, research and development of non-standard automation products, and production, sales, and services. The company specializes in aluminum cutting machines/pipe cutting machines/chamfering machines/pipe bending machines/rounding machines/pipe shrinking machines/pipe end forming machines. The company's products are applied to the processing of metal pipe products in industries such as automobiles, air conditioners, motorcycles, electric vehicles, bicycles, sports and fitness equipment, steel pipe furniture, tourism and leisure products, plumbing and bathroom, providing efficient mechanical equipment.









Company Qualification

Qualification of Zhangjiagang cedar technology Co., Ltd

















after-sale service

After sales service of Zhangjiagang cedar technology Co., Ltd

Machine warranty for one year

The equipment is inspected and accepted, and the factory implements a 12 month warranty. During the warranty period, any manufacturing quality issues will be covered by the supplier's free warranty, and any other issues caused by other reasons will be borne by the user for reasonable repair costs. After the warranty period expires, we will still provide accessories and good service at a reasonable cost

Quickly respond and handle in a timely manner

When the equipment malfunctions during use, the supplier shall respond within 2 hours after receiving notification from the purchaser. If it cannot be directly resolved over the phone, send someone to the site within 24 hours. Generally, faults should be resolved within 48 hours, while major faults should be resolved as quickly as possible, with a principle of no more than 72 hours (excluding holidays).



Thank you for your support and trust in Cedar Precisio

Manufacturer direct sales/one-year warranty/lifetime maintenance

Zhangjiagang Cedar Technology Co.,Ltd