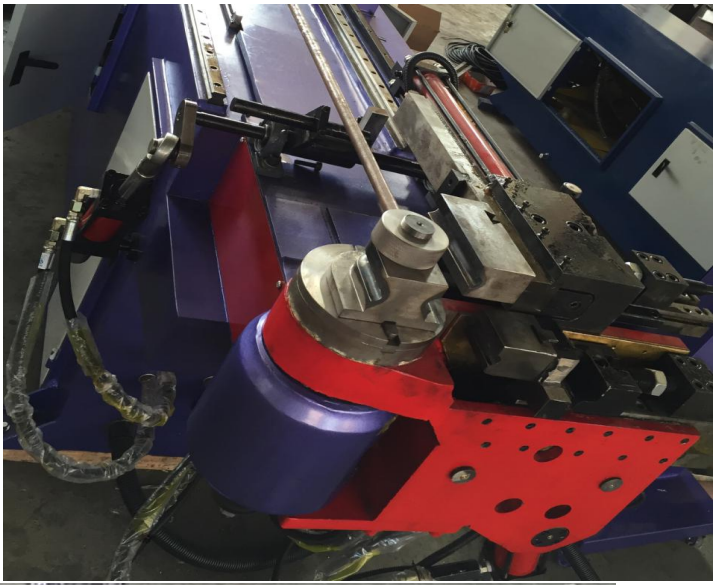
DW50CNC-3A-1S Servo automatic tube bending machine









Equipment parameters: DW50CNC-3A-1S servo tube bending machine

content		DW50CNC*3A*1S
Max. Capacity OD x WT (Mild Steel)		Φ50*2.0
The largest applicable stainless steel pipe		Φ48*1.5
Maximum core length		2400 ㎜
Maximum feeding schedule		2200 ㎜
Maximum bending radius		300 ㎜
Maximum bending angle		185°
Each pipe can set the number of elbows		12
Working speed	bend	40°/S
	Corner	180°/S
	Feeding	900 ㎜/S
Accuracy	bend	±0.1°
	Corner	±0.1°
	feeding	±0.1 ㎜
power	Bend pipe servo motor	5.0KW
	Corner servo motor	0.75KW
	Feed servo motor	1.0KW
The oil pump		19L
Machine weight		About 2000 ㎏
Machine size		4300X950X1200

List of purchased parts:

number	Part Name	Origin and manufacturer
一、Electronic control part		
1	PLC Control System	Mitsubishi
2	Tilting Servo Motor	Mitsubishi
3	Feeding servo motor	Mitsubishi
4	Tilting Servo Drive	Mitsubishi
5	Feeding Servo Drive	Mitsubishi
6	Elbow servo motor	Mitsubishi
7	Elbow Servo Drive	Mitsubishi
8	Oil pump motor	Wuxi Taihu Special Motor
二、Hydraulic part		
9	Oil pump	Yongling Taiwan
10	The electromagnetic valve	Japan Yuken or Taiwan Chiyo
11	Cylinder	Precision homemade

The machine features:

1. This model for the economical type automatic three-dimensional CNC pipe bender, which can automatically bend, automatic feeding, automatic rotated Angle, three-dimensional bending the pipe fittings can be automatically completed, its feeding, rotated two shaft is driven by servo motor and servo drive control, bend axis is controlled by hydraulic numerical, auxiliary push through basins valve matching speed adjustment.

1. Both the feed and the tilt of the two axis can be set 1-8 times according to

the actual workpiece. The pipe shaft adjusts the match speed through the pressure-regulating valve.

2. The "color touch screen" is easy to understand. All bend data data can be entered by touch screen.
3. Each tube can be set up 32 bends (or selected by the user), and the memory capacity can store 330 (or 125) pipes.

5.The screen display text is equipped with both Chinese and English. If you need other countries, you can choose.

6.Each tube can be set up 32 bends (or selected by the user), and the memory capacity can store 330 (or 125) pipes.

7.The data editor completes the key lock function, prevents the data from being changed arbitrarily.

8.With power failure memory function, the data can be saved permanently.

9..Can set manual, semi-automatic, automatic operation mode. When bending, you can use manual decomposition, observe the interference point and modify the action.

10..Each curve can be used to set the feeding, bending and rotating the three shafts to avoid interference points to improve the efficiency of production. There are eight different ways to choose from: (send material + return curve) to tilt; (send material + return bend + turn); The turning, turning, turning, turning, and turning; To return to the bend. The return of the curve, the return of the material, the turning. The turning, turning, turning, the feeding; The turn of the curve goes to (feed + tilting).

11.Each bending can be set up to compensate for the variation of the material.

12.There are two kinds of send and clip, which can be used when the core is

not worn, and the length of the workpiece is not restricted.

13.Reliable, safe place, wheel molding interference location, guide mode interference location, such as setting, all can fine-tune operation, computer automatic memory location function, eliminating human measurement error of collisions with the machine failure, and a limit stop function, before and after the double insurance.

14.The function of bending and stretch ratio of tube is measured by the method of direct delivery, which is convenient for calculating the actual consumption length of the pipe.

15.There is a count function for the artifact.

16.It has a zero function, just press the button. There is no need to return the two axes to zero, saving time and accuracy.

17.Automatic detection error or machine malfunction function and display on the screen for the operator to exclude.

18.The servo proportional valve control flow is not affected by oil temperature, high accuracy and stable equipment.

After-sales service:

1.Warranty period: We guarantee machine quality for one year, during this year, if spare parts of the machine were damaged, we can send the component to the customer by DHL, TNT freely.

2.Our factory can send our engineer to the customer’s factory install, commission and training freely. The customer provide the double trip tickets, food and accommodation for our engineer. The customer also can send the engineer to our factory to learn the operation and maintains freely.

3.Our factory provide the service for the customer forever, if the customer need operation help, can contact us by Skype,Whatsapp,WeChat, Email and Telephone at any time, we provide 24 hours on-line service.

Zhangjiagang City Cedar Technology Co., Ltd