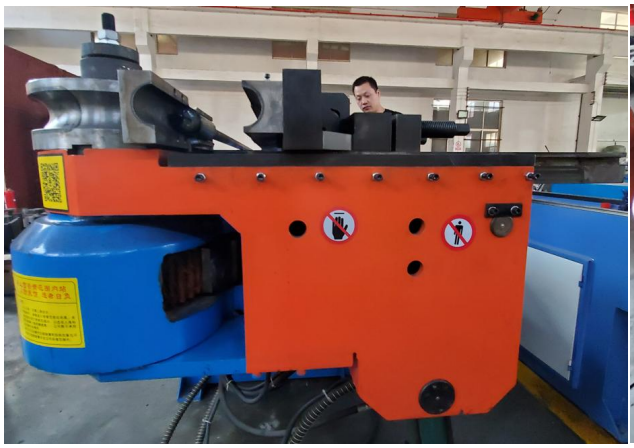
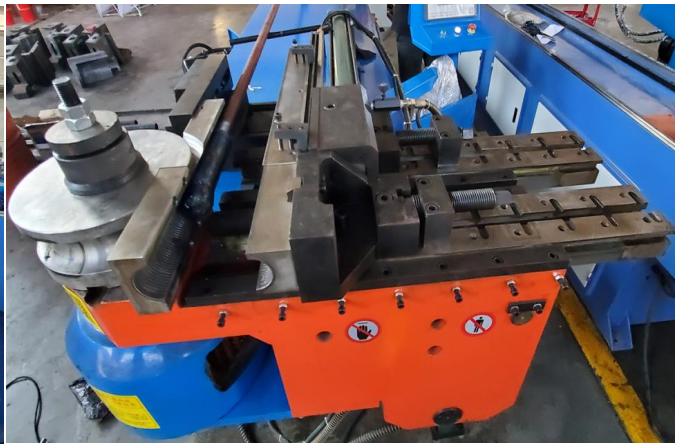
XS-89NC Single head hydraulic pipe bender









Applicable maximum pipe diameter: Φ 89＊4.0mm (carbon steel), maximum bending radius: 450mm

Product features:

1、NC pipe bender is controlled by microcomputer

2、With manual control, half cycle control and full automatic control

3、Automatic overload protection

4、 Automatic detection of machine failures and operational failures

5、Mobile foot switch has emergency stop function

6、Screen display, touch button

7、Automatic storage memory function

8、Power failure automatic protection function

XS-89NC technical parameter:

project	Unit	XS-89NC
Maximum bending carbon steel pipe diameter	mm	Φ89*4.0
Maximum square iron pipe	mm	60*60*3.0
Maximum bending radius	mm	400
Maximum bending angle	degree	190°
Maximum core penetration length	mm	3500
Control system		NC Control
Number of bends that can be set for each tube		16
Motor power	kw	11
Working oil pressure	MPa	14
Hydraulic control system		Solenoid valve
Oil pump displacement	L	33
Oil tank storage	KG	220
Machine weight	kg	3500
Machine Size (long × wide × High)	mm	4800*1300*1400

二、Structural style:

The stiffeners at the machine head and machine body are designed and annealed to eliminate the internal stress. The overall strength and rigidity are sufficient to prevent permanent deformation.

The transmission spindle is directly inserted from the upper part of the machine head during assembly, which is accurate in installation and convenient in maintenance. The bent tube spindle is driven by gear and rack, and the force is stronger and more uniform. The hydraulic system automatically restricts and cushions the rotary arm before it approaches the angle value set for bending, greatly improving the bending accuracy.

Fast reset, throttle buffer is set near the starting point, which greatly improves the reset accuracy and work efficiency (it is the only manufacturer in China that uses this structure). The clamping system adopts a flat push type double link lifting force amplifier. (The finished product falls naturally under gravity, which is convenient for pipe unloading)

The microcomputer controller can preset 16 kinds of bending angles, and can use the foot switch to complete the entire process flow at one time, including hydraulic clamping, hydraulic pressing, hydraulic elbow, hydraulic auxiliary pushing, hydraulic core pulling, wrinkle prevention device with special accessories, and six oil cylinders.

If there are special requirements, special accessories can be provided (such as wrinkle proof device, auxiliary pushing device, and body

extension)

Pipe die shall be used for exceeding the scope. (such as wrinkle proof block, multi ball mandrel, sliding die)

三、Device configuration:

一、Hydraulic parts

1.	Solenoid valve	Taiwan Qiyang
2.	Hydraulic pump	Taiwan Yongling
3.	Hydraulic tube	Taiwan Lianhui
4.	Cylinder UN ring	Taiwan SOGDZ
5.	Oil cylinder "O" ring	Taiwan SOGDZ
6.	Hydraulic cylinder	Precise self-made

二、Electrical equipment configuration

Serial No	Name	brand	Place of Origin
1.	Oil pump motor	Taihu	Wuxi
2.	singlechip	drone	Changzhou
3.	encoder	NEMICON	Japan
4.	Proximity switch	Tend	joint venture
5.	AC contactor	CHNT	joint venture
6.	Thermal relay	CHNT	joint venture
7.	other	CHNT	Zhejiang

8.	transformer	Jiuchuan	joint venture

四、Requirements for electrical control and operation interface:

1. Touch control screen is adopted for the operation interface
2. Digital display resolution: corner 0.1 °
3. The control system can store 400 groups of processing cases
4. Bend parameters can be set on the operation interface

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