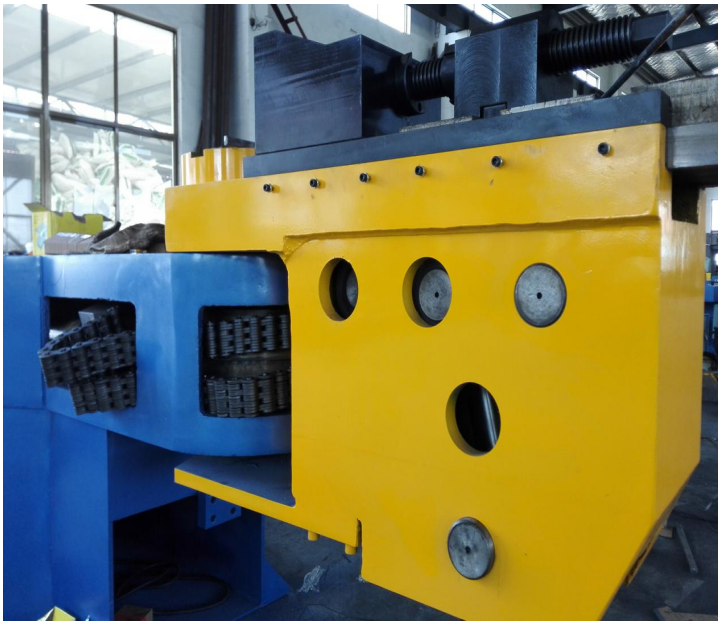
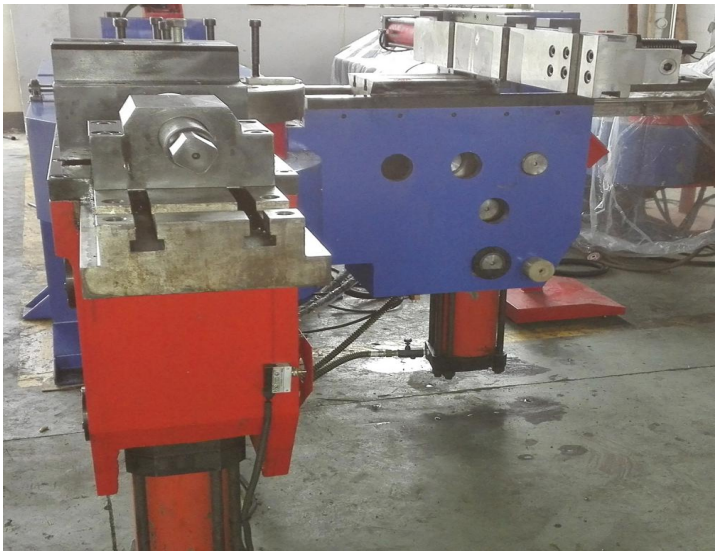
SB130NC single-head hydraulic pipe bender









Applicable maximum pipe diameter: Φ130*10mm, maximum bending radius: 500mm

Features:

1、NC type pipe bender adopts microcomputer control

2、With manual control, semi-circular control, fully automatic control

3、Automatic overload protection

4、Automatic detection of machine failure and operation failure

5、Movable foot switch with emergency stop function

6、Screen display, touch button

7.Automatic memory function

8、Power failure automatic protection function

SB-130NC parameter:

project	unit	SB-130NC
Maximum bending capacity	mm	Φ130*10.0
Maximum use of stainless steel pipe	mm	Φ120*5.0
Largest iron square tube	mm	85*85*4.0
Maximum bending radius	mm	500
Maximum bending angle	度	190°
Maximum core length	mm	5600
Control System	NC	Microcomputer control
The number of bends that can be set per tube		16

Motor Power	kw	22
Hydraulic pressure	MPa	22
Hydraulic control system		Battery valve
Machine size	mm	7500*2000*1500
Machine weight	kg	8800

2、Structure type

The reinforcing ribs of the machine head and the bed are designed, and the internal stress is eliminated by annealing treatment, and the whole has sufficient strength and rigidity to prevent permanent deformation. The drive spindle is inserted directly from the upper part of the machine head when assembling, the installation is accurate, and the maintenance is convenient. The elbow spindle is tightly matched with the drive sprocket, double-keyed, and the force is even. It is driven by double cylinders, and the turning arm is close to the set angle of bending The hydraulic system automatically throttles and buffers before the value, which greatly improves the bending accuracy. Quick reset, with a throttling buffer close to the starting point, which greatly improves reset accuracy and work efficiency (it is the only domestic manufacturer that adopts this structure). The clamping system adopts a horizontal push-type double-link lifting and boosting mechanism. (The finished

product falls naturally under gravity, easy to unload the pipe)

The microcomputer controller can preset 16 kinds of bending angles, and can use the foot switch to complete the whole process at one time, hydraulic clamping, hydraulic pressing, hydraulic bending, hydraulic auxiliary push, hydraulic core pulling, anti-wrinkle device with special accessories, Six oil cylinders (can increase trolley feeding and space corner functions)

If there are special requirements, special accessories can be provided (such as anti-crease device, auxiliary push device, lengthened body)

Exceeding range must use tube mold. (Such as anti-wrinkle block, multi-ball mandrel, skateboard mold)

3、Device Configuration

1、Hydraulic parts

1.	The electromagnetic valve	Taiwan Seven Oceans
2.	Hydraulic pump	Yongling Taiwan
3.	Hydraulic hose	Yongling Taiwan
4.	Cylinder UN ring	Taiwan SOGDZ
5.	Oil cylinder "O" ring	Taiwan SOGDZ
6.	Hydraulic cylinder	Precision homemade

2、Electrical configuration

Serial number	name	Brand	Origin
1.	Oil pump motor	Taihu	Wuxi
2.	MCU	Xiongfeng	Changzhou
3.	Encoder	NEMICON	Japan
4.	Proximity switch	Tend	joint venture
5.	AC contactor	Schneider	joint venture
6.	thermal relay	Schneider	joint venture
7.	other	Zhengtai	Zhejiang
8.	transformer	Schneider	joint venture

Detailed equipment supply list:

Serial number	item name	Quantity	Remarks
1	Bending machine host	1pcs	
2	Anti-crease device	1pcs	Attached to the host
3	Elbow mould	1pcs	random
4	Mandrel rod	1pcs	
5	Toolbox	1pcs	

6	Allen wrench (1 set)	9pcs	
7	Open-end wrench	1pcs	
8	Grease gun	1pcs	
9	Grease gun nozzle	2pcs	
10	Product factory inspection record form	1pcs	
11	Product certification	1pcs	
12	Packing List	1pcs	
13	Operating instructions (including)	1pcs	

4、Electrical control and operation interface requirements:

1.Operation interface adopts touch control screen

2.Digital display resolution: angle of 0.1°

3.The control system can store 400 sets of processing cases

4.Elbow parameters can be set on the operation interface

5、Bending process:

1.The equipment meets the requirements of the drawings provided, the quality of the products made is not lower than the actual product samples, and the deformation of the bending part is not more than 5%

2.Provide proofing pipe fittings making molds on demand

3.No wrinkles on the pipe surface at the bend

4.There are no grooves and obvious depressions on the surface of the pipe after bending

6. Equipment performance:

1. Direct input of elbow processing parameters

2. This machine has the functions of cycle, half cycle, manual, pause, etc., when running the next cycle, use the switch to start, and use the emergency stop button when you need to stop.

3. The operation interface is in Chinese

4. Energy storage: 20 workpieces can be stored at most, and 14 bending hardware storage parameters can be programmed for each workpiece

5. Can directly input data and edit

7. Technical information:

(1) Manual

The Chinese manual for each hydraulic pipe bender includes (installation and maintenance operation manual, wearing parts list, hydraulic schematic diagram, electrical schematic diagram, mold diagram)

8. After-sales service:

1. The quality warranty period of the hydraulic pipe bender is 12 months after acceptance. During this period, if the equipment fails and is damaged, the supplier is responsible for free on-site maintenance

2. During the warranty period, after receiving the service request

notification, we will reply by telephone in time. The maintenance personnel will arrive at the site within 24 hours. During the warranty and after-sales service process, the maintenance personnel shall not remove the fault and shall not leave the site until satisfaction

3. After the expiration of the warranty period, you will reply by telephone in a timely manner after receiving the notification of the service request. The maintenance personnel will arrive at the site within 24 hours. The material costs for the maintenance are charged at a preferential price, and the maintenance labor is free. The transportation fee is reimbursed according to the actual expenditure.

9. Acceptance and training:

1. Factory acceptance

(1) After the equipment is manufactured, it must be inspected before the factory.

(2) The CNC hydraulic pipe bender can be shipped after the two parties have signed and confirmed that they are qualified.

2. Training

Immediately after the arrival of the equipment, personnel will be arranged for free equipment to guide the installation, commissioning, training of operators and maintenance personnel, and free technical training will be provided, responsible for training the operators to familiarize the personnel with its performance, operation and use, until

fully grasped.