XS-425CNCfull-automatic cross-cutting belt positioning system

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 belts. It is a new type of enterprise integrating the development and production of industrial automation systems, the research and development of non-standard automation products, and production and sales services. .

The company's main products: semi-automatic pipe cutting machine, automatic pipe cutting machine, servo automatic pipe cutting machine production line: single-head chamfering machine, double-head chamfering machine, servo double-head chamfering machine, cutting and chamfering production line; semi-automatic aluminum profile Cutting machine, automatic aluminum profile cutting machine; single-head hydraulic pipe bending machine, double-head pipe bending machine, servo automatic pipe bending machine: pipe end forming machine and other pipe processing equipment; at the same time, the company can use and install according to the user Need to design and manufacture the above-mentioned equipment with special specifications, as well as various non-standard mechanical products.

The company's products are used in the processing of metal pipe products in industries such as automobiles, air conditioners, motorcycles, electric vehicles, bicycles, sports fitness equipment, steel pipe furniture, travel and leisure products, plumbing and sanitary ware, and provide efficient machinery and equipment.

The products are sold in large quantities in domestic and foreign markets, and exported to

more than 60 countries and regions (Germany, Brazil, India, Indonesia, Malaysia, Vietnam, UAE, Russia, etc.) such as Europe, Southeast Asia, South America, Africa, and the United States.

Quality: We always believe that good quality can speak, and only high-quality products are the foundation for the survival of a company;

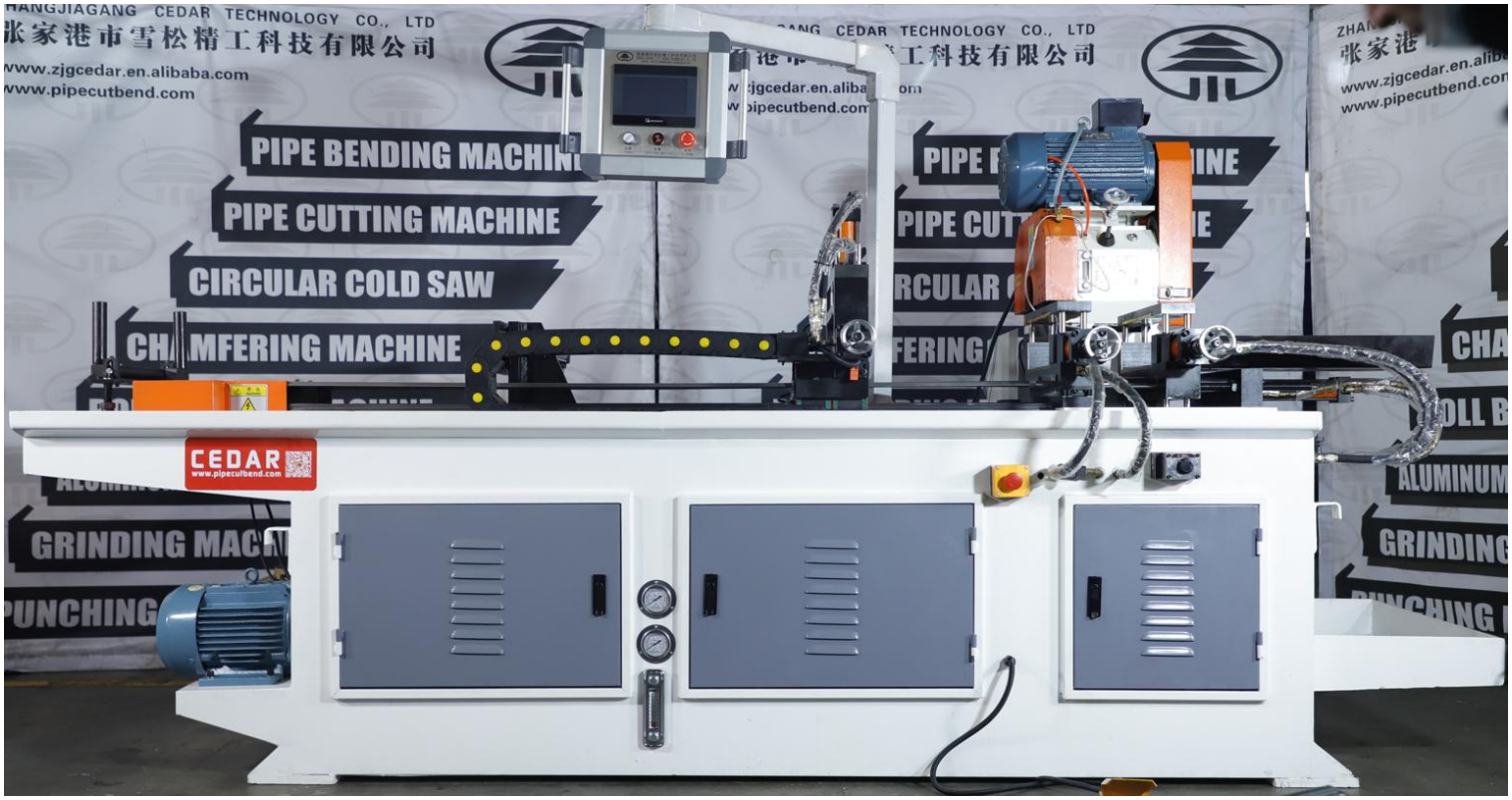
Technology: Facing the ever-changing business sea, only continuous learning and innovation is the way for an enterprise to survive;

Service: To understand customer needs and meet customer needs, we are not only making machines, but also custom-made machines. Your satisfaction is our constant pursuit!

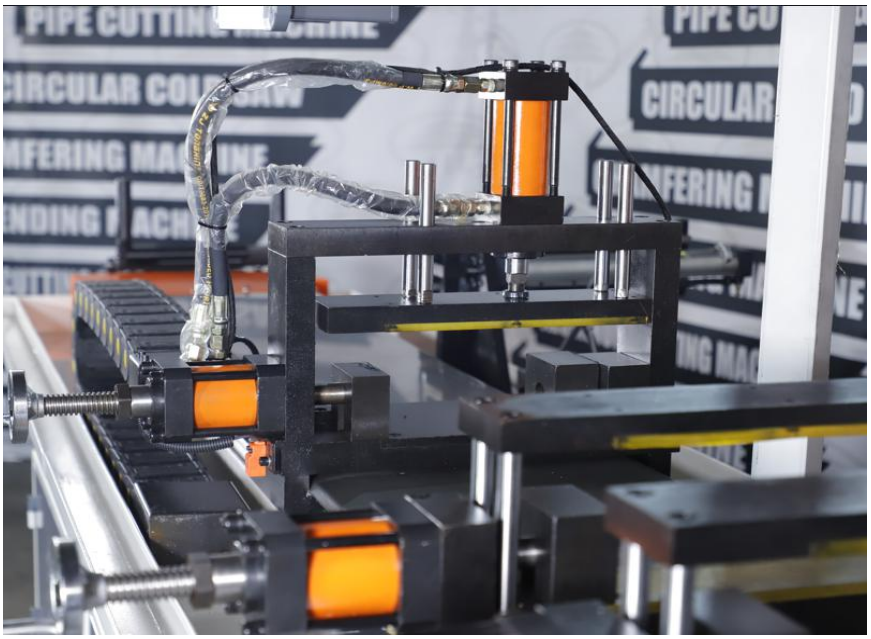
Enterprise spirit: The market is the direction of the enterprise, and the quality is the life of the enterprise. Without hard sweat, there would be no tears of success. Only by continuous learning can we keep pace with the times and remain invincible.

Enterprise mission: make equipment, serve the society, and let more customers create greater value.

Service tenet: integrity first, efficiency first, customer first, service first


PIPE BENDING MACHIN
PIPE CUTTING MACHINE
CIRCULAR COLD SAW
CHAMFERING MACHINE
CEDAR
GRINDING MAC
PUNCHING


CEDAR
雪松精工

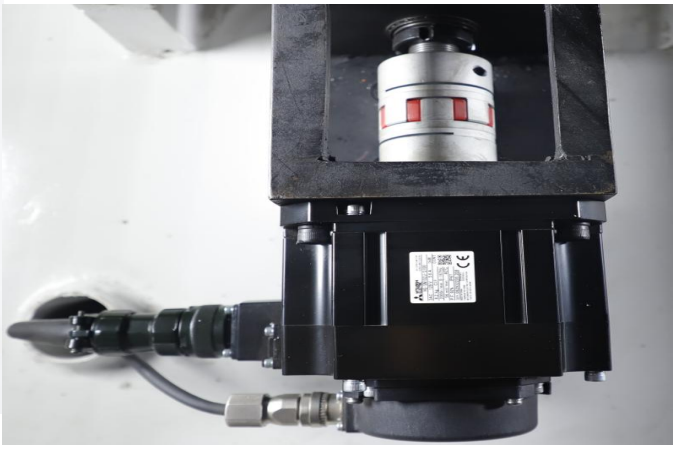


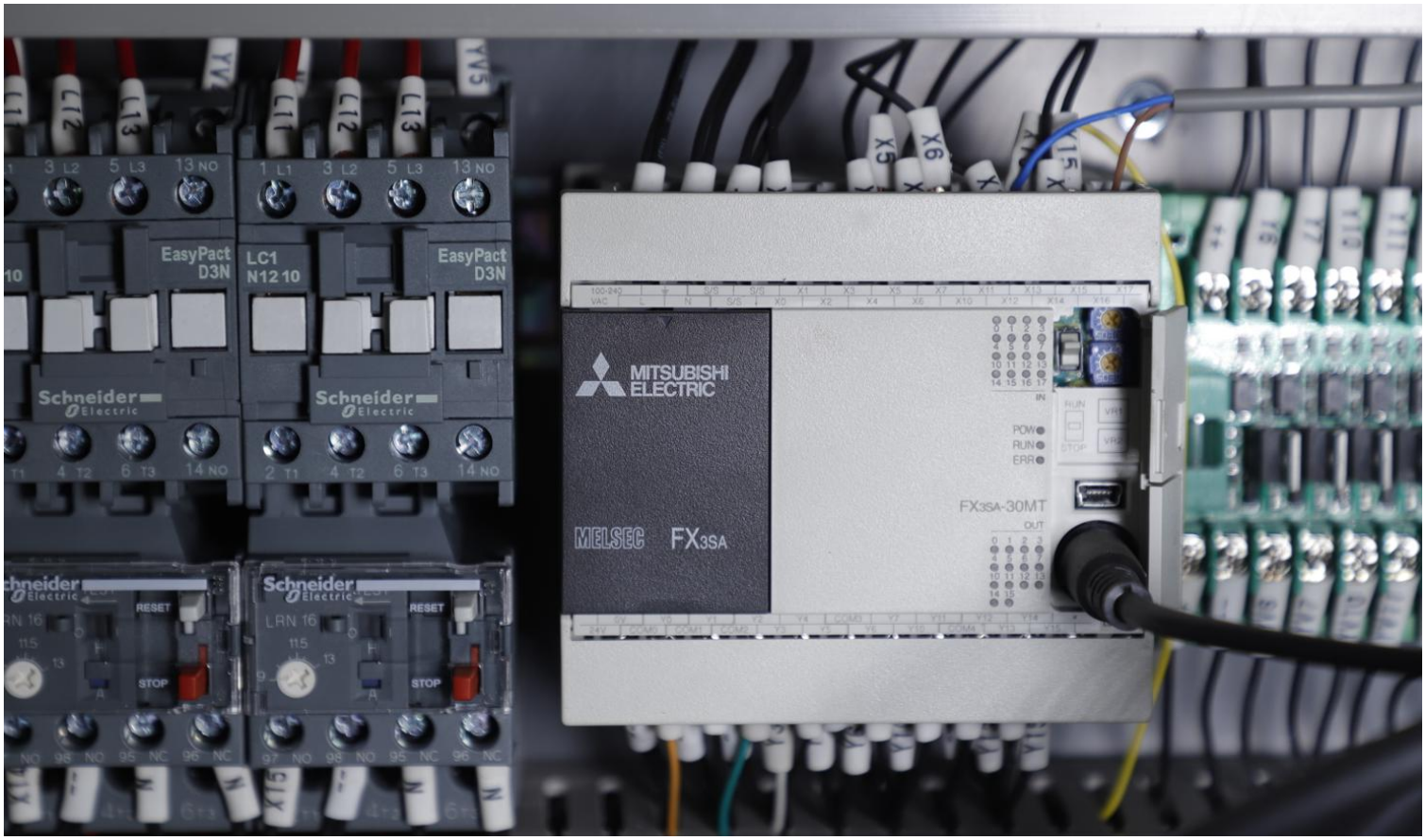

CHAMFERING MACHINE
BENDING MACHINE
CEDAR
PUNCHING MACH


张家港市雪松精工科技有限公司
ZHANGJIAGANG CITY CEDAR TECHNOLOGY CO.,LTD
电话：0512-58999346/18962246346
CEDAR TECHNOLOGY
张家港市雪松精工科技有限公司
Chinese
English
WEINVIEW
电源
报警
急停


张家港市雪松精工科技有限公司
ZHANGJIAGANG CITY CEDAR TECHNOLOGY CO.,LTD
电话：0512-58999346/18962246346
参数设定一
管子长度
5946.00
mm
自动送料长度
锯切次数
送料速度：
50
%
Exit
01: 1000.00 mm 5
02: 300.00 mm 3
03: 0.00 mm 0
04: 0.00 mm 0
05: 0.00 mm 0
锯片厚度： 2.00 mm
上料位置： 1500.00 mm
送料有效行程： 1505.00 mm
尾料长度： 30.00 mm
拉料缸行程： 150.00 mm
挡料进退时间 1.0 s
产量计数预设： 9999 根
Next
WEINVIEW


SANLI®
IN
OUT
K 1912
MODEL NO: FNC-G02 -4




EasyPact D3N
LC1 N12 10
Schneider Electric
RESET
STOP
MITSUBISHI ELECTRIC
MELSEC FX3SA
FX3SA-30MT

This model is controlled by an advanced CNC numerical control system to realize the unmanned and fully digitalized production process of the pipe cutting production line. Automatic feeding, automatic cutting, automatic feeding, all automatic assembly lines, servo motor feeding, more precise length and short precision, the entire production process is adjusted and monitored by the CNC system, and the production process is stable and accurate. It can cut single or multiple pipes each time The biggest highlight of this equipment is its five sets of all-gear drive heads, which are optimized on the basis of four sets of transmission equipment (factory experimental trial cutting experience: ø45 round steel, about 25 seconds to cut), It can saw metal profiles such as ordinary steel, stainless steel, copper, aluminum, etc. with various cross-sectional shapes, especially for various pipes. It is a high-quality equipment for mass production in steel pipe furniture, pipe manufacturing, sports equipment, tourism and leisure products, automobiles, motorcycles, bicycles, baby carriage decoration, stainless steel iron decoration production, mechanical processing and other industries.

Performance characteristics:

1. Equipped with stepless variable speed transverse feed, automatic feed, automatic cylinder clamping device, stable operation, light weight and high efficiency

2. The linear guide rail is fed horizontally, and the guide rail surface is scraped by professional equipment, which is more accurate and durable, and prolongs the service life of the device.

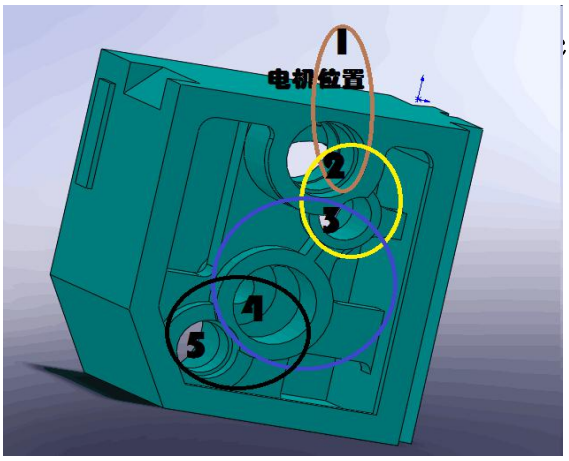
To ensure the accuracy of the cutting head, the stroke can be increased to 200mm, the cutting quantity is more, and the efficiency is higher.

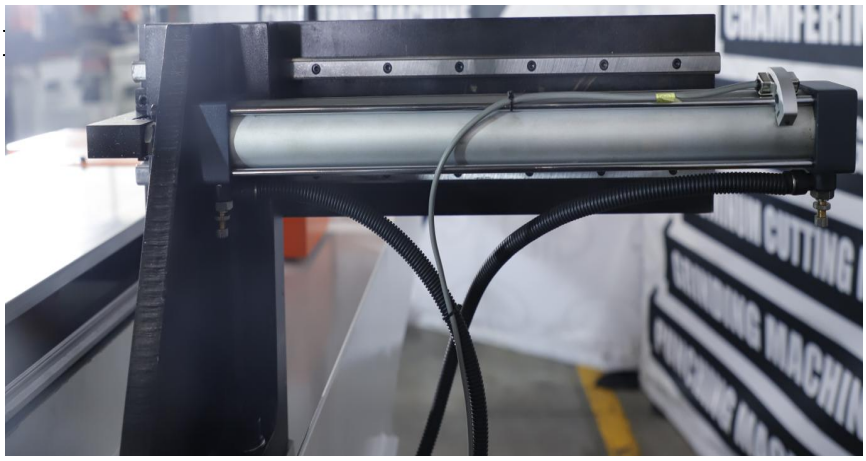
3. Clamping up and down makes the workpiece clamped smoothly, the thin-walled

material is not easy to be deformed, the cut surface is smooth without burrs, low noise and low pollution.

4. Mitsubishi servo motor drives the ball screw, and the feeding seat moves on the linear guide rail (not on the cylindrical guide post, the load

The body is more stable), the feeding accuracy is high, the speed is fast, the feeding is stable, the cut surface is smooth and does not generate heat, the upper and lower clamping, preventing







1. The cutting accuracy is high, the cut is perfect, and there is no burr.

2. With no material automatic shutdown, saw blade protection function, automatic lubrication and cooling function.

3. With the function of pulling tail material, the cutting tail material is shorter than the length of the cutting workpiece.

4. The self-lubricating bearing is adopted, and the connecting shaft is self-lubricating, which does not damage the machine.

5. The 425 full gear head adopts a horizontal motor, five sets of full gears (the current market full gear heads are all four sets of structure) four-speed transmission, more stable, more wear-resistant, and stronger head power.

6. The cooling system keeps the machine running for a long time and prolongs the life of the saw blade.

7. Mechanical movement structure and parts: all are CNC self-lubricating system,

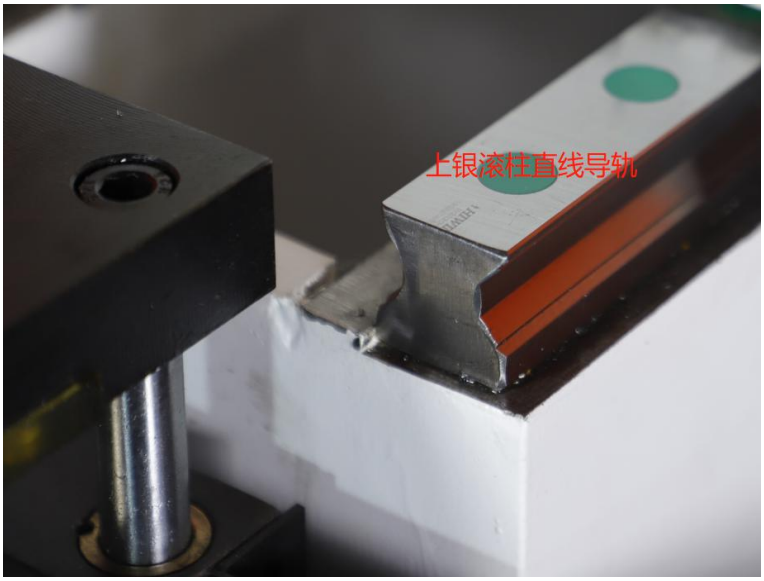
so that the mechanical structure movement can ensure long-term maintenance-free

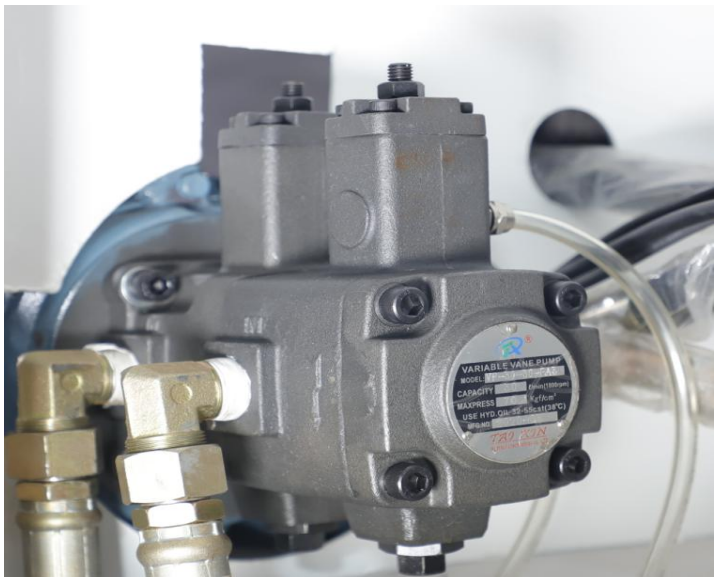
Protect the long life cycle.

Parameters and configuration of XS-425CNC servo full-automatic cross-cutting pipe cutting machine:

Project	Unit	XS-425CNC
Saw blade angle	度	90°
	mm	Φ100
	mm	100*200
Spindle speed in fourth gear	RPM	70/35(r/min)　120/60(r/min)
	mm	±0.05
Feeding accuracy	Mm	±0.02
	KW	3.3/4.0　(Motor horizontal structure)
The deflection of the spindle	Mm	32-20
		HGH-25
The host power		RGW-30 (Heavy load, roller)
		M20 The tooth screw
Feeding ball screw		AH0608TL-CA-60L (double)
		Clamp up and down, left and right
Linear feeding guide rail	mm	115
	mm	1650　Bonding conductor
Linear guide rail for nose	KW	3.75-4.0

The oil pump		30-30（Double pump）
	Kg	40~50
The clamping pressure	Kg	30~35
	KW	1.0
The cutting pressure	Mm	50
	Mm	Φ50/450
Mitsubishi servomotor		Cooling system, oil pressure system、 Automatic lubrication system, adjusting tools
		Positioning Homogeneous System
The clamping cylinder diameter	W	90
	mm	315/350/375/400/450
Feed cylinder diameter/stroke	mm	3400*2200*1900
	KG	1500





number	name	brand
1	enclosure	Self-made (low carbon steel plate welding)
2	The nose	Homemade (casting)
3	The size of the gear	Kunshan datong
4	Linear guide	Taiwan silver
5	Head motor and oil pump motor	Nantong Far East Special Motor
6	PLC controller	Japan's mitsubishi
7	Servo motor and driver	Japan's mitsubishi
8	Touch screen	Vylon WEINVIEW or kunlun MCGS
9	Solenoid valve	Seven ocean 7 OCEAN
10	The hydraulic tubing	Poon fai hydraulic
11	Hydraulic oil pump	Taiwan xin
12	Ball screw	Taiwan TBI OR Yintai technology
13	Feed precision speed regulating valve	Taiwan Xin San Li
14	The hydraulic oil	Precision homemade

	cylinder	
15	Proximity switch	CHANGDE CNTD
16	Switching power supply	MINGWEI Meanwell
17	AC contactor	SHI NAI DE Schneider
18	Thermal overload relay	SHI NAI DE Schneider
19	Signal isolator	Precision self-made (protect PLC)
20	Device color	Grayish white to dark gray or blue to red

Shipping manifest

number	name	Specifications	Quantity	Notes
1、	Main engine		1/PCS	
2、	high-speed steel circular saw blade		1/PCS	
3、	hexagon wrench	3-14	1/套	
4、	operation manual		1/PCS	Random file
5、	certificate		1/PCS	Random file

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.