## Technical Specification

(Demander) For the development of production needs, we need to order one transformer solidification furnace.

Provide a set of technical solutions and quotations for the selection of suppliers and demanders.

## 一)、Technical

Transformer, bushing curing furnace				
QTY	1pcs			
Power	Three-phase four-wire system (or three-phase five-wire system) 380V 50hz			
Rails	The height of trolley from ground to rail surface is 380 mm, and the height of trolley is 125 mm.  The guide rail in the furnace does not need to expose movable docking between the trolley and the guide rail in the furnace.			
Temperature range	Ambient temperature—200℃			
Indoor	Superstructure height 600 mm depth 1000mm bilateral bracket of both side load			
compartment	200 kg			
surface temperature	≪Ambient temperature+20°C			
Temperature fluctuation	≤±1°C			
Temperature uniformity	≤±2.5%			
temperature stability	$\leqslant$ 2 $^{\circ}$ C			
Heating Power	18KW			
Blast power	0.75kw×2 pcs			
Exhaust mode	Manual exhaust and exhaust handle is set on top side of furnace.			
Inner chamber size	1500*1500*1500mm[W×D×H][Height refers to the height above the trolley]			
Furance size	2020*1700*2205mm {W*D*H}			
	Furnace body structure			
Shipping	Shipping the whole furance with frame			
Furance colour	Conventional color, that is, the door is orange, the furnace body is grey.			
Paint treatment:	C) is sprayed on the inner gallbladder/inner gallbladder skeleton/air			

Gate structure	Opening mode: Manual opposite door is used on the front, and the door is composed of left and right doors.  The door lock adopts adjustable lock structure with lamb horn handle, and the surface is chrome plated.  Two sets of upper and lower door hinges, a total of 4 sets, surface chrome plating treatment  Protective cushion with 1 nylon protective cushion on top and bottom of each door to prevent excessive impact of the door  Door panel and door frame: Q235 cold rolled steel plate is joined together after rust removal and rust prevention treatment.  Door bottom plate: Q235delta cold-rolled steel plate spliced after rust-removing and rust-proof treatment  Inside the door skeleton: Q235 channel steel, angle steel, square pipe, etc. are welded after rust removal and rust prevention treatment.  Heat preservation material: high density and high quality aluminium silicate cotton filled with heat preservation  Door seal: asbestos rope	
D		
External	Cold-rolled steel sheet made of delta 1.5 Q235 is welded/riveted after rust-	
biliary plate	removing and rust-proof treatment.	
Inner plate	Welding/Riveting/Thread Connection of Cold Rolled Steel Plate with Material of Delta 1.2 Q235 after Rust Removal and Antirust Treatment	
Air duct plate	The material of the cold rolled steel sheet is delta 1.2 Q235. After rust removal and rust prevention treatment, the air flow regulating plate is double louvers, which is used to adjust the air flow and is beneficial to uniform temperature.	
External biliary framework	Q235 channel steel, angle steel and other sections are welded after rust removal and rust prevention treatment.	
Inner tank	Q235 channel steel, angle steel and other sections are welded after rust	
frame	removal and rust prevention treatment.	
chassis	235 channel steel, angle steel and other sections are welded after rust removal and rust prevention. Four movable climbers are installed on both sides of the chassis for the handling, installation and positioning of the furnace body.	
Thermal	High density and high quality aluminium silicate cotton insulation, high	
insulation	temperature resistance $600^{\circ}\mathrm{C}$ , The coefficient of thermal conductivity is $0.0048$	
material	$\lambda$ m/°C .	
sealing material	石棉绳及硅酸铝棉毡 Asbestos rope and Aluminum silicate cotton felt	
	Exhaust system	
System subject	The material is Q235 cold rolled steel plate, which is welded/riveted after rust removal and rust prevention.	
Exhaust Tpye	It can be divided into manual/automatic control mode. The automatic control mode can set the exhaust interval time by itself.	

0+1				
Other instructions	The size of flange interface of exhaust valve is provided, and the external			
Instructions	air duct is solved by the buyer according to the actual situation of workshop.			
Hot air circulation system				
Thickness of	Considering the temperature outside the furnace and energy saving, the			
Insulation	insulation layer thickness of the furnace body is 100 mm and the insulation			
Layer	layer thickness of the gate is 132 mm.			
Insulation	The position of the heater is insulated by aluminium silicate cotton felt and			
Material Layout	the rest is insulated by aluminium silicate cotton felt.			
Volute of wind	Wind wheel volute and air duct nozzle are made of Q235 cold-rolled steel			
turbine	plate. They are all treated by rust removal and rust prevention and welded.			
Heater	Star connection 220V 50Hz U-shaped Safe Low Load Electric Heat Pipe, Material is stainless steel			
Heater Position	Installed in the air ducts on both sides of the furnace body			
	Trolley System			
Trolley system	1400*1300 【W*D】			
Load capacity	3T			
Traction mode	Manual traction			
	Q235 3mm thick cold-rolled steel plate, 40 mm around the edge spraying high			
Trolley panel	temperature silver powder paint			
	Section steel, such as channel steel, is welded after rust removal and rust			
Trolley frame	prevention (install 10 mm steel plate on the back of trolley)			
Wheel assembly	Four sets of heat-resistant wheels, made of cast steel			
	Electronic Control System			
	Wall-mounted control box, the panel of electronic control cabinet is composed			
	of main control instrument, over-temperature alarm instrument, current			
Control Cabinet	voltmeter and button switch. The surface of the control cabinet is powder			
Control Capinet	coating spray treatment Beautiful, generous, can be used in high temperature			
	and humidity environment;			
Electrical	They all adopt famous brand products such as Schneider, Omron, Shanghai			
components	People, etc.			
Components				
	The intelligent program instrument of Xiamen Yudian AI518P can compile 30			
	sections of program with self-tuning function of PID and RS485 computer			
Master control	communication interface., More than one heating curve can be set. The			
table	measurement accuracy is 0.2, and the temperature curve is controlled. With			
table	PT100 temperature sensor, the instrument has passed the appraisal of the			
	metrology department.			
	The alarm meter adopts Xiamen Yudian AI508 intelligent digital display			
Alarm table	instrument with PT100 temperature sensor. When the temperature exceeds a			
	certain set temperature, sound and light alarms will be issued, and the			
	heating power supply will be automatically cut off to effectively protect the			
	safety of equipment and products.			
	sarety of equipment and products.			

	T				
Heating control	Beijing Ximaden SSR solid state relay contactless regulation + Beijing Ximaden ZA-P three-phase cycle wave controller, using photoelectric isolated input stage, TTL level compatible input, automatic power regulation, zero-crossing trigger mode, has no contact, no mechanical moving parts, no spark, no action noise, vibration resistance, long life characteristics.				
	Electric motor and heating interlocking device, that is, blast before heating,				
	to prevent the heater from burning out  There are two independent even-temperature alarm eveters. When the temperature				
	There are two independent over-temperature alarm systems. When the temperature				
	in the furnace is abnormal, the sound and light alarm will be issued, and the				
C - C - t	heating power supply will be cut off automatically.				
Safety	Short-circuit protection and over-current protection to prevent motor from				
control and	burning and jumpir				
protection	Short-circuit protection of electric heater to prevent short-circuit of				
	electric heater				
	Controlling line protection to prevent short circuit and accidents				
	Air switch to prevent short circuit caused by overload of main circuit				
	Follow-up power failure prevention to prevent damage to baking products caused				
	l .	baking time after powe			
	Configurat	ion List of Major Elec			
Serial number	name	Specifications	Manufacturer		
	Intelligent	AI518P	Xiamen Yudian		
1	Temperature				
_	Controller				
2	Alarm table	XMTA	Yuyao Instrument Factory		
4	AC contactor	LC1-D	Schneider		
5	Air switch	DZ 系列	Zhejiang JiaKong Technology Co. Ltd.		
6	Temperature	PT100	Yuyao Temperature Instrument Factory		
	sensor	11100	yppp do do l y		
7	Intermediate	RXL	OMRON		
	relay				
8	Thermal relay	T16	ShangHai Renmin Electrical Apparatus		
9	Buttons, Knobs	LA series	Schneider		
10	Fuse	NGT	Delixi		
11	Solid state	Н3120	Beijing Ximaden		
	relay				
12	radiator	B140s	Beijing Ximaden		
		Accessory			
Intake valve  Exhaust valve	There are many intake valves at the top, which can adjust the intake manually				
	according to the amount of baked goods.				
	According to the amount of volatile matter in furance, the supplier will leave				
	flange interface, and the external exhaust pipe will be made by the supplier.				
files	Instructions for the Use of Curing Furnace 1/1				
	Electrical schematic diagram and list of electrical appliances 1				

copy/table
Instrument Instructions 1 Set/Table

Remarks: Unmentioned implementation is in accordance with GB5170-85 and JB/T5520-91 standards.

## $\equiv$ ) , Price and delivery date

Price and delivery date		
Price	Thirty-three thousand RMB (including tax)	
Price	¥32000.00/set	
Delivery date	Delivery conditions 30 days after the entry into force of the contract	

