



汇锋环保机械

Cleaning Room

TECHNOLOGY PROJECT BOOK

ZJCX HUIFENG ENVIRONMENTAL FRIENDLY MACHINERY EQUIPMENT CO., LTD

15067228878

专业设计、制造，整厂表面处理及喷涂系统：

- ▲ 塑胶件数字化全自动无尘涂装生产线
- ▲ 各种金属件整厂液体/粉体涂装生产线
- ▲ 涂装鲜风（恒温恒湿）供给系统
- ▲ UV光固化生产线
- ▲ 金属件及镁合金前处理设备
- ▲ 各类静电除尘装置
- ▲ 镁合金件无尘涂装生产线
- ▲ 汽车、摩托车覆盖件无尘涂装生产线
- ▲ 不粘漆涂装高温固化生产线
- ▲ 各类烤炉、丝印烘干生产线
- ▲ 各类静电喷漆设备
- ▲ 涂装线废气、废水处理设备

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DESIGN DATA

NAME OF WORKPIECE: ALUMINUM OVEN

MATERIAL OF WORKPIECE: ALUMINIUM

STANDARD WORKPIECE: $\Phi 240\text{mm} \sim \Phi 320\text{mm}$

PRODUCTIVITY: 1000 PCS/H (STANDARD WORKPIECE)

SOURCES: DRYING OVEN: NATURAL GAS HEATING AND AIR BLOW

PRE DEGREASING WATER VAT: NATURAL GAS INDIRECT HEATING

DEGREASING WATER VAT: SUBMERSIBLE TYPE STAINLESS STEEL HEATING TUBE

ENERGY : NATURAL GAS / ELECTRICITY

PROCESS

2. 5MIN*40~45°C 2. 5MIN*40~45°C 1MIN*RT 1MIN*RT

6. 5MIN*150~180°C

LOADING → PRE DEGREASING → DRIP WATER → DEGREASING → DRIP WATER → WASH →

2. 5MIN*40~45°C 1MIN*40~45°C 1MIN*RT

DRIP WATER → WASH → DRIP WATER → BLOW WATER → INSPECT WHETHER CLEAN →

1MIN*RT

DRYING → RAPID COOLING → UNLOADING

6. 5MIN*150~180°C

NOTES: THE ABOVE PROCESS IS PROVIDED BY BUYER

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EQUIPMENT CONTENT

DESKTOP FOR PRE-TREATMENT WITH DRYING OVEN	1 SET
DIMENSION 25500mm (L) × 2, 215mm (W) × 3, 480mm (H) PREPROCESSING PART	1 SET
MAIN STRUCTURE	
OUTTER DIMENSION: 13, 000mm (L) × 2, 215mm (W) × 2, 350mm (H)	
MAIN STRUCTURE	
MAIN BASE PLATE 304#SUS 2MM, SIDE 1.5MM, TOP 1.2MM 304#SS PLATE SHED BODY, EXTERNAL USE SUS PLATE	
BOTTOM FRAME 2MM SS PLATE, BOTTOM FRAME FEET WITH SS ADJUSTABLE FEET	1 BATCH
REMOVABLE COVER ON TOP OF SHED BODY	1 BATCH
1, 200mm (W) x350mm (H) FURNACE ENTRANCE DIMENSON: 1, 200mm (W) x350mm (H)	
PROCESS SECTIONS OF THE SHED BOBY	
PRE DEGREASING ZONE: SUS 304 40~45°C	1 UNIT
DEGREASING ZONE SUS 304 40~45°C	1 UNIT
RINSING ZONE SUS 304	2 UNIT
WATER SPRAY ZONE SUS 304	1 UNIT



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DRIPPING ZONE SUS 304	4 UNIT
Ø 1-1/4" DISMANTLE SS SPRAY PIPE	1 SET
PP "V" TYPE NOZZLE, FLOE RATE 6. 8L/MIN	1 SET
STANDARD INJECTION PRESSURE: 0. 8~1 KG/CM2	
BUFFERED PRESSURE GAUGE	5 SET
INJECTION PRESSURE ADJUSMENT SYSTEM	5 SET
SS EXHAUST SYSTEM ON TOP OF HEATING SECTION	1 SET
INTERVAL OF TRANSPARENT OIL RESISTANCE RUBBER RETAINING	
BLOWING WATER AREA USE HIGH PRESSURE WIND MACHINE EQUIPMENT	1 SET
PRE DEGREASING HOT WATER CYLINDER	1 SET
HEATING WATER VAT MAIN PART: MADE OF 2MM STAINLESS STEEL BOARD, 50*80 GROOVE IRON ALL ROUND TO STRENGTHEN	1 SET
THE BOTTOM OF ALL TANK IS INCLINED, EASY DRAINAGE	
WATER INLET Φ 1-1/2"	1 SET
DRAINAGE Φ 2"	1 SET
OVERFILL DRAINAGE Φ 1-1/2"	1 SET
1. 2MM 304#SS TANK COVER	1 SET
WATER TEMPERATURE PROBE (AUTOMATIC THERMOSTAT)	1 SET
SS FILTER	2 SET



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ACID AND ALKALI RESISTANT CIRCULATING WATER PUMP CONNECTING PIPE (2.2KW JIELIKAI BRAND)	2 SET
COMBUSTOR: RIELLO FS20	1 SET
CONVERTOR PART	1 SET
FLAME TUBE USE 2MM STAINLESS STEEL BOARD TO SHAPE	
RETURN SMOKE BOX USE 2MM STAINLEE STEEL BOARD TO MAKE	
DEGREASING HOT WATER CYLINDER	1 SET
HEATING WATER VAT MAIN PART: MADE OF 2MM STAINLESS STEEL BOARD, 50*80 GROOVE IRON ALL ROUND TO STRENGTHEN	1 SET
THE BOTTOM OF ALL TANK IS INCLINED, EASY DRAINAGE	
WATER INLET $\Phi 1-1/2''$	1 SET
DRAINAGE $\Phi 2''$	1 SET
OVERFILL DRAINAGE $\Phi 1-1/2''$	1 SET
1.2MM SS TANK COVER	1 SET
WATER TEMPERATURE PROBE (AUTOMATIC THERMOSTAT)	1 SET
SS FILTER	1 SET
ACID AND ALKALI RESISTANT CIRCULATING WATER PUMP CONNECTING PIPE (2.2KW JIELIKAI BRAND)	1 SET
SUBMERSIBLE TYPE STAINLESS STEEL HEATING TUBE	3 GROUP
WASHING TANK	2 SET
HEATING WATER VAT MAIN PART: MADE OF 2MM 304SS STAINLESS STEEL BOARD, 50*80 GROOVE IRON ALL ROUND TO STRENGTHEN	1 SET

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THE BOTTOM OF ALL TANK IS INCLINED, EASY DRAINAGE	
WATER INLET $\Phi 1-1/2"$	1 SET
排水位 $\Phi 2"$ DRAINAGE $\Phi 2"$	1 SET
OVERFILL DRAINAGE $\Phi 1-1/2"$	1 SET
1.2MM 304SS TANK COVER	1 SET
304SS FILTER	1 SET
ACID AND ALKALI RESISTANT CIRCULATING WATER PUMP CONNECTING PIPE (2.2KW JIELIKAI BRAND)	1 SET
CONVEYOR BELT	
SS 304 WIRE CHAIN CONVEYOR BELT	1 BATCH
1200MM/MIN (1000~1500M/MIN 可调) STANDARD SPEED : 1200MM/MIN (1000~1500M/MIN ADJUSTABLE)	
1.5KW DRIVEN MOTOR WITH GEAR BOX 1.5KW	1 SET
AUTOMATIC TENSIONING DEVICE	1 SET
DRYING OVEN PART	1 SET (参考尺寸)
OUTLINE DIMENSION: 8,000MM(L) \times 1,500MM(W) \times 3,400MM(H)	
ENTRANCE DIMENSION: 1,200MM(W) \times 350MM(H)	
HEATING TYPE:NATURAL GAS HEATING HOT AIR CIRCULATION	
TEMP OPERATION :180°C, AUTOMATIC THERMOSTAT (MAX 220°C)	
150KW MAX HEATING POWER:150KW	
TEMP CONTROL AREA	1 SET
DRIVEN MOTOR WITH GEAR BOX (SHARED WITH DESKTOP FOR PRE TREATMENT)	1 SET
FURNANCE MAIN BODY	



MAIN FRAME AND BOTTOM FRAME IS MADE FORM 40*80 SLOT IRON WELDING	1 BATCH
BUCKLE PRODUCTION FURNANCE	1 ATCH
THERMAL INSULATION LAYER: 120kg/m ³ HIGH TEMPERATURE SILICIC ACID ALUMINUM COTTON(150MM THICKNESS)	
INNER WALL 1.2MM SS 201SS PLATE, OUTSIDE PLATE 1.5MM GALVANIZED SHEETBOARD SPRAY FINISHING	
TOP BLOW BOTTOM SUCK	
SS BUILT-IN FOR BLOW AND SUCK AIR SLOT	
ADJUSTABLE DOOR	2 SET
THE MAIN HOT AIR CIRCULATION HEATING SYSTEM	1 PC
MAIN FRAME :40*80 SLOT WELDING IRON	1 BATCH
THERMAL INSULATION LAYER: 120kg/m ³ HIGH TEMPERATURE SILICIC ACID ALUMINUM COTTON(150MM THICKNESS)	1 BATCH
INSIDE PLATE 1.5MM SS, OUTSIDE PLATE 1.5MM GALVANIZED SHEETBOARD SPRAY FINISHING	1 BATCH
HOT CELL STEEL FRAME PLATFORM (WITH A FENCE)	1 UNIT
4KW MOTOR CONNECTING WIND WHEEL	1 组
BURNER PROTECTION DEVICE	1 UNIT
COMBUSTOR: RIELLO FS20	1 UNIT
SINGLE STAGE FIRE DESIGN, AUTOMATIC HEATING INSULATION	
LACK OF FIRE SENSOR SYSTEM, CAN MONITOR IF THE GAS SPRAY IS BURNED	



HIGH TEMPERATURE BURNER COMBINED WITH FAN ARE ACTIVATED BY ELECTRICAL CONTROL PROTECTION	
1 STAGE ADJUSTABLE AIR DOOR AND FLOW RATE	
AUTOMATICALLY AIR SPRAY PROCEDURE AND FIRING FUNCTION	
FLAME REGULATOR PLATE	
COOLING WITH UNLOADING AREA	1 UNIT
1.5/3M LENGTH:4.5M, MAIN MATERIAL:1.5/3MM IRON PLATE	
EXHAUST SPEED 10M/S, USE BOTTOM BLOW TOP SUCK	
EXHAUST WITH SUCK AIR	
CENTRAL CONTROL CABINET AND INSTALATION ON SITE	1 SET
CENTRAL CONTROL CABINET	1 SETS
CONTROL DESKTOP PRE-TREATMENT PRODUCTION LINE EQUIPMENT	
ELECTRICAL COMPONENT AND PROTECTION DEVICES, USE POPULAR BRAND OF ELECTRICITY	
TOUCH SCREEN OPERATION, PLC CONTROL	
FACTORY WIRING & INSTALATION COMMISIONING	
EMERGENCY STOP DEVICE	2 SETS

NOTES:THE ABOVE SPECIFICATION IS FOR REFERENCE ONLY



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No	Part Name	Brand	Originality
1	MAGNETIC CONTACTOR	FUJI	JAPAN
2	AIR SWITCH	CHINT	CHINA
3	FREQUENCY CONVERTER	MITSUBISHI	JAPAN
4	PLC (PROGRAMMABLE LOGIC CONTROLLER)	MITSUBISHI	JAPAN
5	TOUCH SCREEN	WEINVIEW	TAIWAN, CHINA
6	BURNER	RIELLO	ITALY (ASSEMBLED IN CHINA)