



汇锋环保机械

ZJCX HUIFENG ENVIRONMENTALLY FRIENDLY MACHINERY EQUIPMENT CO., LTD

Non-stick paint production line

NAME OF WORKPIECE: ALUMINUM OVEN

1. Workpiece name: aluminum pan

2. Workpiece material: imitation die-casting aluminum

MATERIAL OF WORKPIECE: ALUMINUM

3. Standard workpiece size: $\Phi 240\text{mm} \sim \Phi 320\text{mm}$

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

4. Design output: 700 pieces/hour (based on standard size)

PRODUCTIVITY: 700 PCS/HOUR (STANDARD WORKPIECE)

5. Workpiece pitch: 16" (508mm)

DISTANCE OF WORKPIECES: 16" (508mm)

6. Linear speed of supporting chain: 6,000mm/min (5000-9000mm/min adjustable)

PROP TYPE CONVEYOR: 6,000MM/MIN (5000-9000MM/MIN ADJUSTABLE)

7. High temperature furnace line speed: 800mm/min (0.5~1.3m/min adjustable) 5 pieces/row

SPEED OF HIGH TEMPERATURE OVEN CONVEYOR: 800MM/MIN (0.5~1.3 MM/MIN

ADJUSTABLE) 5PCS/LIN

8. Energy: natural gas/electricity

ENERGY: NATURAL GAS / ELECTRICITY

地址：浙江省长兴县林城镇工业园区

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TEL：0572-6870388

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YK2202-P. 1 2022 年 01 月 18 日



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Loading → painting → transfer → drying → cooling → transfer → spraying/finishing →

180°C*5~8min

→ transfer → low temperature volatilization → high temperature solidification → cooling →

delivery

150°C*7min 430°C*5~8min (constant temperature)

LOADING → SPRAYING → CONNECTING PARTS → DRYING → RAPID COOL →

180°C*5~8min

→ CONNECTING PARTS → SPRAYING → CONNECTING PARTS → LOW-TEMPERATURE VOLATILE

→150°C*7min

EQUIPMENT CONTENT

FOUR METERS DOUBLE LAYER WATER POON ROOM

EXTERNAL DIMENSION : (L) 4000MM*(W)3450MM* (H) 2985MM

MAIN MATERIAL:

WATER CURTAIN BOARD:1.5MM 201# SUS, TOP BOARD: 1.5MM IRON BOARD

WATER CURTAIN WATER BASIN: 2MM 201# SUS

201# SUS MADE DOUBLE LAYER SINGLE SIDE WATER CURTAIN BOARD 1.2MM

THE WATER CURTAIN BEHIND THE RETAINING PLATE & PP SPRINKLER NOZZLE, MADE PAINTING

SECOND TIME TREATMENT

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DIAMETER OF INLET PIPE : 1", DIAMETER OF OUTLET PIPE: 2"

ACID AND ALKALI RESISTANT CIRCULATING WATER PUMP CONNECTING PIPE, 3 PHASES 380V

5.5KW CENTRIFUGAL AIR EXHAUSTER, PUT ON STEEL FRAME DES

WATER PUMP INLET PLACE INSTALL TWO LAYER STAINLESS STEEL MESH, CONVENIENT FILTER

SLUDGE

TABLE TYPE DRYING OVEN

EXTERNAL DIMENSION: 18,900MM(L) X 1,760MM(W) X 1,820MM(H)

OPENING DIMENSION OF OVEN:1500MM(W) X 350MM(H)

LAYER TYPE: 5 PIECES/LINE (STANDARD WORKPIECE)

OPERATING TEMP : 180°C (AUTO CONSTANT TEMPERATURE) , FURNACE TEMPERATURE

DIFFERENCE $\pm 5-8^{\circ}\text{C}$

Theoretical thermal power 200KW THEORY HOT POWER: 200 KW

HEATING METHOD: NATURAL GAS HEATING HOT AIR CIRCULATION

FURNACE BODY LENGTH: 8,000mm(L) x 1,760mm(W) x 1,820mm(H)

BOTTOM FRAME ADOPTED:80MM*40MM CHANNEL IRON PRODUCTION, SPRAY PAINT

PROCESSING 2

MAIN MATERIAL GUSSET PLATE STRUCTURE

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ZJXC HUIFENG ENVIRONMENTALLY FRIENDLY MACHINERY EQUIPMENT CO., LTD

SINGLE LAYER 120MM HEAT PRESERVATION, GLISTEN PLATE IN THE OVEN, OUTSIDE 0.5M

THICKNESS STEEL BOARD

FIVE METERS DOUBLE LAYER WATER POON ROOM

EXTERNAL DIMENSION : (L) 5000MM*(W)3450MM* (H) 2985MM

MAIN MATERIAL

WATER CURTAIN BOARD:1.5MM 201# SUS, TOP BOARD: 1.5MM IRON BOARD

WATER CURTAIN WATER BASIN: 2MM 201# SUS

201# SUS MADE DOUBLE LAYER SINGLE SIDE WATER CURTAIN BOARD 1.2MM

THE WATER CURTAIN BEHIND THE RETAINING PLATE & PP SPRINKLER NOZZLE, MADE PAINTING

SECOND TIME TREATMENT

DIAMETER OF INLET PIPE : 1", DIAMETER OF OUTLET PIPE: 2"

LONGEVITY LONGEVITY TYPE PROP TYPE ONVEYOR

STAINLESS STEEL BLOCK OFF OIL

THE ROTATION TYPE BEARING SEAT (“+” SHAPE CLAMP)

DRIVE MOTOR CONNECT GEAR BOX (CHINA TOP BRAND)

STANDERD SPEED: 6,000MM/MIN (5,000~9,000MM/MIN ADJUSTABLE)

Pitch16”(508mm) DISTANCE: 16” (508MM)

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ZJXC HUIFENG ENVIRONMENTALLY FRIENDLY MACHINERY EQUIPMENT CO., LTD

ROTARY MACHINE

Channel steel base SECTION STEEL FOUNDATION

stainless steel protective cover

Workpiece speed 50-160rpm continuous

Distributed in water spray booths

AUTO SPRAY GUN GROUP

40 LITER PRESSURE TANK,CONNECT SUS INTERNAL BLADDER CONTAINER

Japan IWATA automatic spray gun (with 4 guns and 4 controls)

TOUCH INDEPENDENT ELECTRICAL CABINETS

CONNECT PIPELINE、TRACHEA EACH FIVE METER AND GUN RACK ONE SET

ELECTRICAL EYE CONTROL SWITCH GUN

EXTERNAL DIMENSION:957MM(L) X 957MM (W) X 1,050MM (H)

AIR FILTER AND RECRUIT RECRUIT RECRUIT INSTRUMENT

EXTERNAL DIMENSION:957MM(L) X 957MM (W) X 1,050MM (H)

WATER-COOLED FAN EVEN THE WIND TROUGH

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ZJCX HUIFENG ENVIRONMENTALLY FRIENDLY MACHINERY EQUIPMENT CO., LTD

MAXIMUM AIR FLOW : 8,800 CFM

CONSUMPTION:0.75KW 380V 3 PHASES

FIBER ANTICORROSIVE WATER DISH AND HEAD COVER

AROUND FILTERING FILTER PAPER

FEATURE:

WATER AS MEDIUM WHEN WORKING

POWER CONSUMPTION IS SMALL

AIR CONVERSION LARGE QUANTITIES

EQUIPPED WITH AUTOMATIC FLUSH DEVICE

3~5°C TEMPERATURE DROP 3~5°C

Place the top down in front of the water dam to supply the wind

TABLE TYPE HIGH TEMP

EXTERNAL DIMENSION: 34,000MM(L) X 2,060MM(W) X 1,820MM(H)

OPENING DIMENSION OF OVEN:1500MM(W) X 350MM(H)

LAYER TYPE: 5 PIECES/LINE (STANDARD WORKPIECE)

OPERATING TEMP : 430°C (AUTO CONSTANT TEMPERATURE) , FURNACE TEMPERATURE

DIFFERENCE \pm 5-8°C

HEATING METHOD: NATURAL GAS HEATING HOT AIR CIRCULATION

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FURNACE BODY LENGTH: 25,100mm(L) x 2,060mm(W) x 1,820mm(H)

BOTTOM FRAME ADOPTED:100MM*50MM CHANNEL IRON PRODUCTION, SPRAY PAINT
PROCESSING

INNER GIMBAL ADOPTED : 80MM*40MM AND 50MM*30MM CHANNEL IRON PRODUCTION

INNER CONTAINER ADOPTED:1.2MM 304#SUS PLATE PRODUCTION, UP EXHAUST AND DOWN
INHAUST FORM

OUTSIDE IRON BOARD ADOPTED:1.5MM IRON PLATE, SPRAY PAINT PROCESSING

FURNACE INSIDE AND OUTSIDE LAID 50MM THICKNESS HIGH TEMPERATURE SILICIC ACID
ALUMINUM COTTON

300*300 NATURAL AIR OUTLET

INNER PLATE: 1.5MM SUS BOARD, EXTERIOR SLAT:1.5MM IRON PLATE, SPRAY PAINT
PROCESSING

THERMAL INSULATION LAYER: INSIDE & OUTSIDE LAID 50MM THICKNESS HIGH TEMPERATURE
SILICIC ACID ALUMINUM COTTON

100KW LOW-TEMPERATURE VOLATILE:150°C (AUTO CONSTANT TEMPERATURE) , TIME:5min,
HOT POWER:100KW

TOW FLAME DESIGN, CAN AUTOMATICALLY CONTROL WHEN INCREASE TEMPERATURE OR
KEEP CONSTANT TEMPERATURE

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LOW TEMPERATURE MIXED FAN(INserted CENTRIFUGAL FAN 4KW)

CENTRAL ELECTRONIC CONTROLLED BOX AND ON-SIGHT ASSEMBLE

MAGNETIC ONTACTOR	FUJI	JAPAN
AIR SWITCH	CHINT	CHINA
FREQUENCY CONVERTER		
PLC (PROGRAMMABLE LOGIC CONTROLLER)	ENER	JOINT VENTURE
TOUCH SCREEM	MITSUBISHI	JAPAN
TOUCH SCREEM	WEINVIEW	TAIWAN,
CHINA		

THE DIAGRAM OF EQUIPMENT USAGE OF WATER, ELECTRICITY AND AIR

no	Content	Number	Max Water L/H	Max Air L/Min	Max Natural Gas M3/H	Max Electric KW/H
1	4 FOUR METERS DOUBLE LAYER WATER ROOM	1	400			8.1
2	TABLE TYPE DRYING OVEN	1			17	15

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3	FIVE METERS DOUBLE LAYER WATER ROOM	1	500			12.4
4	LONGEVITY TYPE PROP TYPE CONVEYOR	2				1.1+0.75
5	ROTARY MACHINE	3				0.75*3
6	AUTO SPRAY GUN GROUP	3		1600*3		
7	AIR FILTER AND RECRUIT INSTRUMENT	3				1*1.3=3. 3
8	TABLE TYPE HIGH TEMP	1			17+45	25

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One set for the spraying area of	the 5-meter spray booth and one for the spraying
area of the 4-meter spray booth	
Electric power of spraying area of	5m spray booth: 16KW
Electric power of spraying area of	4m spray booth: 11KW





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Desktop high temperature tunnel furnace: electric power: 24KW

Natural gas: 550,000 kcal (20 burners and 44 burners, 1 each)



Desktop drying furnace: electric power: 16.5KW

Natural gas: 250,000 kcal (1 set of 30 burners)