

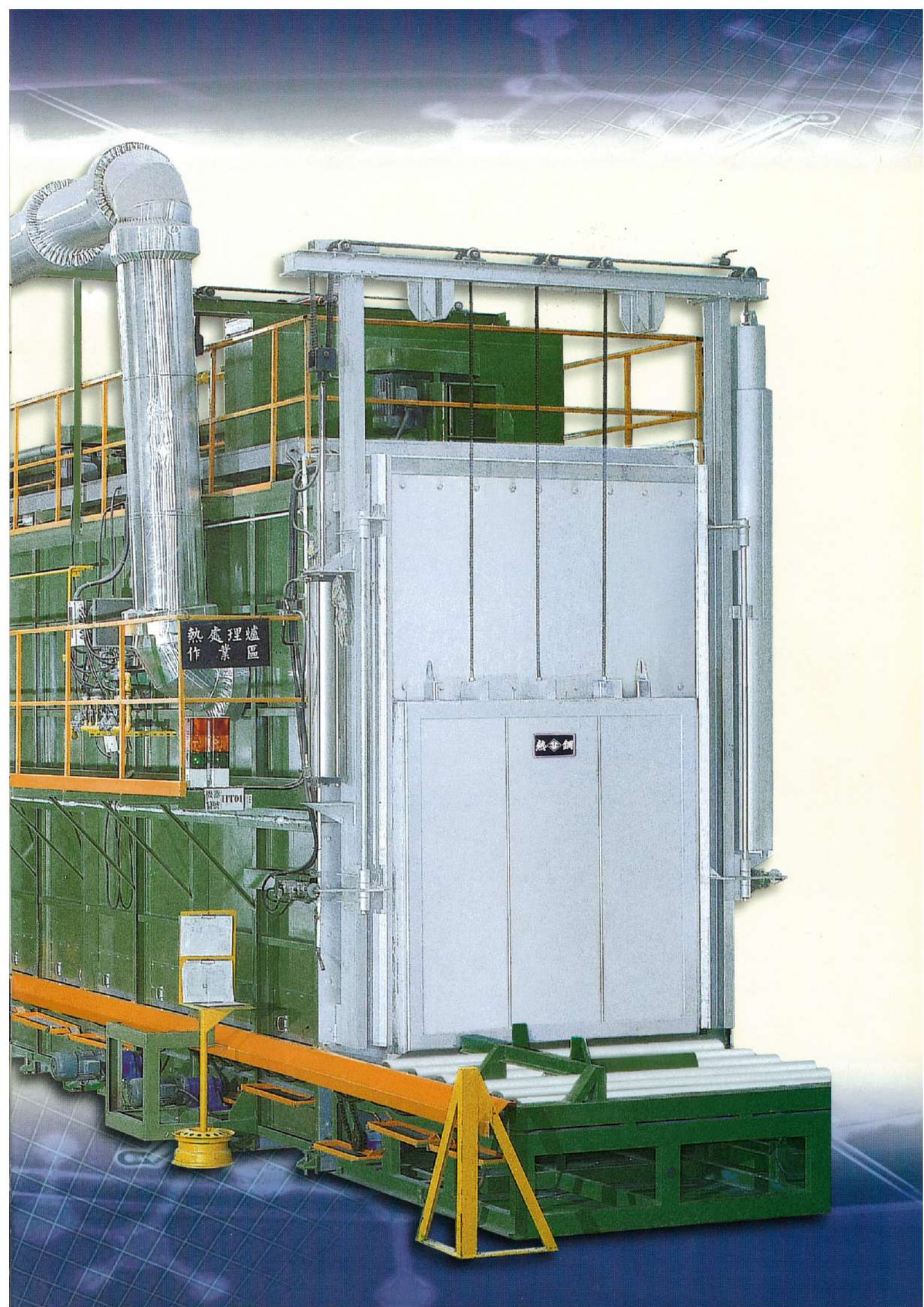


理 論 與 實 際 的 融 合



Continuous Type Aluminum Alloy Solution Heat Treatment Furnace
連續式鋁合金固溶體化熱處理爐





Aluminum Alloy Melting And Holding Furnace

鋁合金熔解保溫爐

Machine Model: JK-ALM-AB

用途：鋁錠熔解、保溫，以利澆鑄壓鑄成型

特性：

1. 熔解效率高、保溫效果佳、鋁湯液溫度精密穩定、氧化鋁少。
2. 採用數字顯示微電腦比例式溫控，電熱與鋁湯獨立控制。
3. 採用瑞典KANTHAL發熱體、德製24小時計時器。

Applications: Melting holding aluminum ingots for casting molding.

Features:

1. Melting is highly efficient with an excellent holding effect. The temperature of aluminum fluid is precise and stable with little aluminum oxide.
2. It is digital displayed and the temperature is controlled through the microcomputer in proportion. Electric heat and aluminum fluid are monitored independently.
3. Swedish KANTHAL heater and German timer.



型 號 Model	JK-ALM-200 \$ AB	JK-ALM-250 \$ AB	JK-ALM-300 \$ AB	JK-ALM-350 \$ AB	JK-ALM-500 \$ AB	JK-ALM-700 \$ AB
坩堝尺寸 (mm) Crucible Dimensions	625 \$ × 500H	625 \$ × 630H	625 \$ × 700H	625 \$ × 800H	780 \$ × 750H	860 \$ × 860H
爐外尺寸 (mm) Outside Dimensions	1300 \$ × 1894H	1370 \$ × 1824H	1370 \$ × 1824H	1370 \$ × 1984H	1500 \$ × 2035H	1580 \$ × 2145H
取湯高度 (mm) Fluid Take-up Of Height	1191	1121	1121	1281	1331	1441
功率 Power	36KW	40KW	45KW	50KW	65KW	90KW
最大保溫量 Max Holding Capacity	200Kgs	250Kgs	300Kgs	350Kgs	500Kgs	700Kgs
每小時最大取湯量 Max Fluid Take-up/Per Hours	70Kgs	80Kgs	100Kgs	115Kgs	130Kgs	190Kgs
取湯溫度 Fluid Take-up Of Temperature	640℃ ~ 700℃					
電熱最高溫度 Heater Max. Temperature	1100℃					

Tilting Type Aluminum Alloy Melting Furnace (Crucible)

傾倒式熔解保溫爐 (坩堝型)

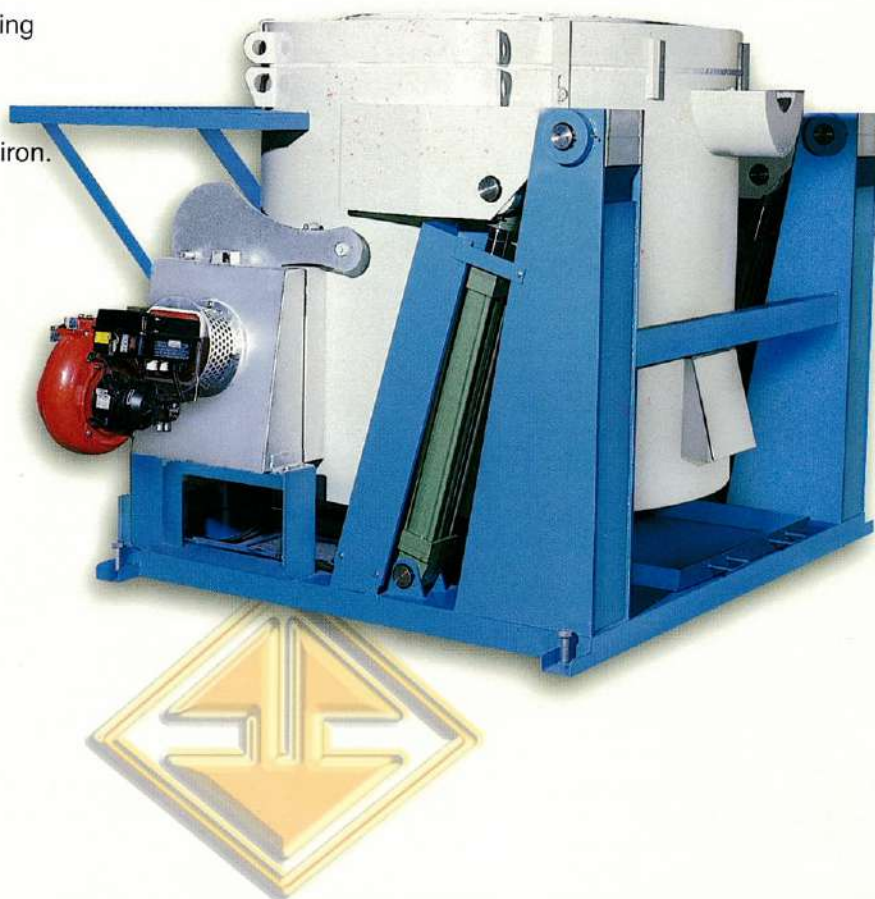
Machine Model : JK-ALM-A

特性:

1. 熔解效率高、油壓式傾倒出湯。
2. 加熱方式: (a) 電氣、(b) 瓦斯、
(c) 柴油、(d) 重油。
3. 坩堝材質: (a) 石墨、(b) 鑄鐵。

Features:

1. Melting is highly efficient and fluid is tilting take-up by oil pressure.
2. Heating: (a) Electric heat. (b) Gas.
(c) Diesel oil. (d) Heavy oil.
3. Crucible material: (a) Graphite. (b) Cast iron.



型號 Model		JK-ALM-500 \$ A	JK-ALM-800 \$ A
坩堝尺寸 (mm) Crucible Dimensions		780 \$ × 890H	880 \$ × 1000H
爐外尺寸 (mm) Outside Dimensions		1600 \$ × 1800H	1680 \$ × 1800H
取湯高度 (mm) Fluid Take-up Of Height		1255	1255
功率 Power	電熱 (KW) Electric heat	90KW	120KW
	瓦斯 Gas	450,000 Kcal/H	600,000 Kcal/H
最大熔解量 Max Melting Capacity		500kgs	800kgs
每爐每次最大取湯量 One Times Max Take-up Capacity /Per Furnace		350kgs	560kgs
使用最高溫度 Max Allowable Temperature		電熱Electric heat : 1100℃ / 瓦斯及柴油Gas & Diesel oil : 1200℃	

Continuous Type High Temperature Heating Furnace 連續式高溫加熱爐 Machine Model: JK-NF

用途:

1. 金屬類: 鍛造加熱、退火及其他鋼材、金屬中小物品大量處理之用。
2. 非金屬類: 陶瓷預熱、燒結、加熱反應處理。

特性:

1. 採用電氣上下加熱, 配合數字顯示微電腦比例式溫控, 控制溫度精準 $\pm 1^{\circ}\text{C}$ 。使爐內分佈溫差小, 並可多段控溫。
2. 採用SUS-310#不鏽鋼輸送帶, 配合DC馬達與減速機作無段控速。
3. 德製24小時計時器, 可做預約開機與關機。
4. 使用溫度範圍: $25^{\circ}\text{C} \sim 1100^{\circ}\text{C}$ 。



Applications:

1. Metals: It is used for forging heating and annealing for metals and steel materials as well as for mass treatment of small and medium size metal objects.
2. Non-metals: It is used for ceramics preheating, ore sintering and heating reaction treatment.

Features:

1. It is vertically heated with electricity. Digital displayed temperature is controlled through the microcomputer in proportion with a precision range of $\pm 1^{\circ}\text{C}$. Temperature difference distributed inside the furnace is little and temperature can be multi-section controlled.
2. SUS-310# stainless steel conveyer mesh is used to work with DC motor and reducer for variable speed control.
3. The German made 24-hour timer can be preset for running and stopping.
4. Temperature range: $25^{\circ}\text{C} \sim 1100^{\circ}\text{C}$

Continuous Type Hot Air Circulating Aluminum Ingot Heating Furnace 連續式熱風循環鋁錠加熱爐 Machine Model: JK-ALT

用途: 鋁錠加熱、其它金屬加熱。

特性:

1. 加熱方式: 電熱。
2. 控溫方式: 採用比例式溫度控制, 配合循環風車強制對流。
3. 進出方式: 鏈條輸送鋁錠。
4. 開門方式: 氣壓缸驅動爐門上開。
5. 使用溫度範圍: $25^{\circ}\text{C} \sim 620^{\circ}\text{C}$ 。



Application: It is used for heating aluminum ingots and other metals.

Features:

1. Heating: Electric heat.
2. Temperature control: Temperature is proportionally controlled and interacting with wind current generated by windmill.
3. Move in/Move out: The chains convey aluminum ingots.
4. Opening: The cylinder drives the furnace gate rise and fall.
5. Temperature range: $25^{\circ}\text{C} \sim 620^{\circ}\text{C}$

Energy-saving Type Aluminum Alloy Holding Furnace (Pat NO.113667)

省電型鋁合金保溫爐 (專利號碼113667)

Machine Model : JK-ALMB

特性：

1. 不需使用坩堝。
2. 限用單一鋁料。
3. 耗電量小、鋁湯溫差小。
4. 保養容易、費用低。
5. 採用數字顯示微電腦比例式溫控，電熱與鋁湯獨立控制。
6. 採用瑞典KANTHAL發熱體、德製24小時計時器。

Features:

1. Not used any crucibles.
2. Confine using single aluminum material.
3. Electricity consumption is little and the temperature difference of aluminum fluid is not much.
4. Maintenance is easy with low costs.
5. It is digital displayed and the temperature is controlled through the microcomputer in proportion. Electric heat and aluminum fluid are monitored independently.
6. Swedish KANTHAL heater and German timer.



型 號 Model	JK-ALMB-550	JK-ALMB-850	JK-ALMB-1250
爐內尺寸D×W×H(mm) Inside Dimensions	1066 × 586 × 380	1066 × 700 × 480	1346 × 777 × 500
爐外尺寸D×W×H(mm) Outside Dimensions	1660 × 1466 × 1760	1660 × 1576 × 1810	1940 × 1653 × 1810
取湯高度 (mm) Fluid Take-up Of Height	1050	1100	1100
功率 Power	12KW	14KW	16KW
最大保溫量 Max Holding Capacity	550Kgs	850Kgs	1.250Kgs
取湯口面積 Take up-Hole Diameter	0.155M ²	0.255M ²	0.25M ²
給湯溫度 Fluid Put-in Of Temperature	700℃		
取湯溫度 Fluid Take-up Of Temperature	640℃～700℃		
電熱最高溫度 Heater Max. Temperature	1100℃		

Continuous Type Foam Rubber Heating Reactor

連續式橡膠發泡加熱反應爐

Machine Model : JK-RUP

用途：

1. 連續式橡膠一次、二次加硫反應。
2. 物品的乾燥脫水及定型。

特性：

1. 加熱方式：(a) 電熱、(b) 瓦斯、(c) 熱媒鍋爐。
2. 控溫方式：採用比例式溫度控制，配合循環風車強制對流。
3. 採用SUS-304#不鏽鋼輸送帶，配合DC馬達與減速機作無段控速。
4. 德製24小時計時器，可做預約開機與關機。
5. 使用溫度範圍：25℃～280℃。

Applications:

1. Apply to continuous type rubber once and add sulfur twice for reaction.
2. It is used for drying dehydrating and forming objects.

Features:

1. Heating: (a) Electric heat. (b) Gas. (c) Heating medium boiler.
2. Temperature control: Temperature is proportionally controlled and interacting with wind current generated by windmill.
3. SUS-304 stainless steel conveyer mesh DC motor and reducer for variable speed control.
4. The German made 24-hour timer can be preset for running and stopping.
5. Temperature range: 25℃～280℃



Hot Carbonization Cleaning Stove

M.S 熱碳化清潔爐

特性：

1. 火燄在後部燃燒室燃燒，僅熱氣進入碳化爐。
2. 吊具上之油漆不是以火燄燒除，而是以高溫使其分解變化成灰。
3. 爐溫是階梯式上昇，上昇速度由電腦計算，並由電腦控制。
4. 在使用的過程當中，碳化爐裡面之實際溫度及設定之溫度均會顯示於微電腦控制器上。
5. 熱碳化週期之時間可以自由設定，以適合不同之需求。
6. 油漆熱分解後產生之氣體及飄浮物，由後燃器以極高溫徹底燃燒後排放入大氣，不會造成空氣污染。
7. 吊具上油漆清除徹底，不傷吊具，效率優良。
8. 木器吊具油漆不可使用。

Features:

1. External energy source assures high heat but no flame in incineration chamber.
2. Hanger paints broken down into ash by extreme temperature.
3. Incremental heat control, computer-directed as to temperature, rate of increase, and duration of burn.
4. Computer controls display both real temperature and target temperature.
5. Cycling times and temperatures easily adjustable for different requirements.
6. Extremely high temperatures ensure full breakdown of incinerated materials, with no air pollution.
7. Hanger paints will be thoroughly eliminated with no damage to the hanger.
8. It not using wooden hanger paints.



Square Aluminum Alloy Solution Heat Treatment Furnace

方型鋁合金固溶體化處理爐

Machine Model : JK-ALT4

用途：

1. 7000系列鋁合金固溶體化熱處理。
2. 鋁合金完全退火。

特性：

1. 加熱方式：(a) 電熱、(b) 瓦斯。
2. 控溫方式：採用比例式溫度控制，配合循環風車強制對流。
3. 進出方式：手動。
4. 開門方式：氣壓缸驅動，爐門上開。
5. 冷卻方式：風冷。
6. 使用溫度範圍：25℃～560℃。
7. 分佈溫差：±3℃～5℃。

Applications:

1. 7000 series is aluminum alloy solution heat treatment.
2. Aluminum alloy facilitates complete annealing.

Features:

1. Heating: (a) Electric heat. (b) Gas.
2. Temperature control: Temperature is proportionally controlled and interacting with wind current generated by windmill.
3. Move in/Move out: By manual.
4. Opening: The cylinder drives the furnace gate rise and fall.
5. Cooling: Air-cooling.
6. Temperature range: 25℃～560℃
7. Temperature distribution tolerance: ±3℃～5℃



Round type Aluminum Alloy Solution Heat Treatment Furnace

圓型鋁合金固溶體化處理爐

Machine Model : JK-ALT4-φ

用途：

1. 3000、6000、7000系列鋁合金固溶體化熱處理。
2. 鋁合金完全退火。

特性：

1. 加熱方式：(a) 電熱、(b) 瓦斯。
2. 控溫方式：採用比例式溫度控制，配合循環風車強制對流。
3. 進出方式：油壓驅動。
4. 開門方式：氣壓缸驅動，爐門水平開門。
5. 冷卻方式：水冷、風冷。
6. 淬水速度：7～10秒。
7. 使用溫度範圍：25℃～560℃。
8. 分佈溫差：±3℃～5℃。

Applications:

1. 3000, 6000 and 7000 series are aluminum alloy solution heat treatment.
2. Aluminum alloy facilitates complete annealing.

Features:

1. Heating: (a) Electric heat. (b) Gas.
2. Temperature control: Temperature is proportionally controlled and interacting with wind current generated by windmill.
3. Move in/Move out: By the oil pressure drives.
4. Opening: The cylinder drives the furnace gate horizontal opening.
5. Cooling: Water-cooling or air-cooling.
6. Quenching speed: 7～10 seconds.
7. Temperature range: 25℃～560℃
8. Temperature distribution tolerance: ±3℃～5℃



Continuous Type Hot Air Tempering Furnace

連續式熱風回火爐

Machine Model : JK-

用途：

1. 金屬類：彈簧回火、鋼回火及其他鋼材、金屬中小物品大量處理之用。
2. 非金屬類：電子類、複合材料、加熱反應、玻璃回火之處理。

特性：

1. 採用電氣加熱配合強制熱風循環、使爐內分佈溫差小。
2. 採用數字顯示微電腦比例式溫控，控制溫度精準 $\pm 1^{\circ}\text{C}$ 。
3. 採用SUS-304# U型不鏽鋼輸送帶配合DC馬達與減速機作無段控速。
4. 德製24小時計時器，可做預約開機與關機。
5. 使用溫度範圍：(a) JK TYPE : $25^{\circ}\text{C} \sim 420^{\circ}\text{C}$ 、(b) JK-H TYPE : $25^{\circ}\text{C} \sim 560^{\circ}\text{C}$ 。



Applications:

1. Metals: It is used for tempering springs, steel and other steel materials as well as mass treatment of small and medium sized metal objects.
2. Nonmetals: Apply to electronics, compounds, heating reaction and glass tempering.

Features:

1. It is electrically heated with forced thermal current circulation, which makes temperature difference distributed inside the furnace little.
2. Digital displayed temperature is controlled through the microcomputer in proportion with a precision range of $\pm 1^{\circ}\text{C}$
3. SUS-304# stainless steel conveyer mesh is used to work with DC motor and reducer for variable speed control.
4. The German made 24-hour timer can be preset for running and stopping.
5. Temperature range:(a)JK Type: $25^{\circ}\text{C} \sim 420^{\circ}\text{C}$. (b)JK-H Type: $25^{\circ}\text{C} \sim 560^{\circ}\text{C}$

型號 Model	爐內尺寸 D×W×H (mm) Inside Dimensions	爐外尺寸 D×W×H (mm) Outside Dimensions	相數 Phase	功率 Power	風車數量 Windmill Of Quantity	傳動馬力 Driving Horsepower	控制區域 Control Area
JK-600-2	6000×600×90/120	7976×1230×1809/1839	3P	79/84KW	1/4HP×6只	1HP	6
JK-600-1	6000×500×90/120	7976×1130×1809/1839	3P	74/79KW	1/4HP×6只	1HP	6
JK-500-2	5000×500×90/120	6976×1130×1809/1839	3P	63/68KW	1/4HP×5只	1HP	5
JK-500-1	5000×400×90/120	6976×1030×1809/1839	3P	58/63KW	1/4HP×5只	1HP	5
JK-400-2	4000×400×90/120	5676×1030×1809/1839	3P	49/52KW	1/4HP×4只	1HP	4
JK-400-1	4000×350×90/120	5676×980×1809/1839	3P	45/49KW	1/4HP×4只	1HP	4
JK-300-2	3000×350×90	4676×980×1809	3P	40KW	1/4HP×3只	1/2HP	3
JK-200-2	2000×300×90	3576×930×1809	3P	25KW	1/4HP×2只	1/4HP	2
JK-120-2	1200×240×90	2426×870×1809	3P	12KW	1/4HP×1只	1/8HP	1
JK-100	1000×160×80	1670×650×1524	3P	7.2KW	1/4HP×1只	65W	1

Car-bottom Type Hot Air Circulation Box Furnace

台車式熱風循環箱型爐

Machine Model: JK-BOX

用途:

1. 模具預熱、鐵弗龍模具加熱。
2. 一般金屬燒鈍、回火。

特性:

1. 加熱方式：電熱。
2. 控溫方式：採用比例式溫度控制，配合循環風車強制對流。
3. 進出方式：棧板台車。
4. 開門方式：氣壓缸驅動爐門上開。
5. 輸送方式：鏈條傳動前後自動進料。
6. 使用溫度範圍：25℃～620℃。

Applications:

1. It is used for preheating dies and heating Teflon dies.
2. Apply to sintering and tempering of general metals.

Features:

1. Heating: Electric heat.
2. Temperature control: Temperature is proportionally controlled and interacting with wind current generated by windmill.
3. Move in/Move out: Pallet.
4. Opening: The cylinder drives the furnace gate rise and fall.
5. Conveying: Material is automatically fed through driven the chains.
6. Temperature range: 25℃～620℃



Optical Glass Heating Furnace

光學玻璃加熱爐

Machine Model: JK-OT

用途：光學玻璃定型乾燥。

特性：

1. 加熱方式：電熱。
2. 控溫方式：採用比例式溫度控制，配合循環風車強制對流。
3. 進出方式：台車式。
4. 開門方式：氣壓缸驅動爐門上開。
5. 輸送方式：鏈條輸送。
6. 使用溫度範圍：25℃～260℃。

Applications: Apply to forming and drying optical glass.

Features:

1. Heating: Electric heat.
2. Temperature control: Temperature is proportionally controlled and interacting with wind current generated by windmill.
3. Move in/Move out: Platform.
4. Opening: The cylinder drives the furnace gate rise and fall.
5. Conveying: Driven by chains.
6. Temperature range: 25℃～260℃



Automatic Non-oxidization Ore-sintering Furnace 全自動不氧化燒結爐 Machine Model: JK-OT-A

用途：

1. 金屬粉末燒結。
2. 複合材料定型。

特性：

1. 加熱方式：電熱。
2. 控溫方式：採用可程式溫度控制，配合循環風車強制對流。
3. 進出方式：台車式。
4. 開門方式：氣壓缸驅動，爐門上下開啓。
5. 輸送方式：油壓。
6. 使用溫度範圍：25℃～800℃。
7. 使用保護氣體：氮氣。
8. 真空度：1大氣壓。

Applications:

1. Apply to sintering metal powders.
2. It is used for formation of compound materials.

Features:

1. Heating: Electric heat.
2. Temperature control: Temperature is program controlled and interacting with wind current generated by windmill.
3. Move in/Move out: Platform.
4. Opening: The cylinder drives the furnace gate rise and fall.
5. Conveying: Driven by oil pressure.
6. Temperature range: 25℃～800℃
7. Gas used for protection: Nitrogen.
8. Vacuum layer: 1 atmospheric pressure.



Car-bottom Type Hot Air Circulation Heating Furnace 台車式熱風循環加熱爐 Machine Model: JK-BOX-HL

用途：

1. 模具預熱、鐵弗龍模具加熱。
2. 一般金屬燒鈍、回火。

特性：

1. 加熱方式：(a) 電熱、(b) 瓦斯。
2. 控溫方式：採用比例式溫度控制，配合循環風車強制對流。
3. 進出方式：棧板台車。
4. 開門方式：氣壓缸驅動爐門上開。
5. 輸送方式：滾輪輸送前後自動進料。
6. 使用溫度範圍：25℃～580℃。

Applications:

1. It is used for preheating dies and heating Teflon dies.
2. Apply to sintering and tempering of general metals.

Features:

1. Heating: (a) Electric heat. (b) Gas.
2. Temperature control: Temperature is proportionally controlled and interacting with wind current generated by windmill.
3. Move in/Move out: Pallet.
4. Opening: The cylinder drives the furnace gate rise and fall.
5. Conveying: Material is automatically fed through the rollers.
6. Temperature range: 25℃～580℃



High Temperature Box Type Multi-door Hot Air Circulation Heating Furnace 高溫箱型多門熱風循環加熱爐

Machine Model: JK-BOX-AL

用途:

1. 光學玻璃回火。
2. 金屬預熱。

特性:

1. 加熱方式: 電熱。
2. 控溫方式: 熱風循環。
3. 使用溫度範圍: 25°C~650°C。

Applications:

1. Apply to tempering of optical glass.
2. It is used for preheating metals.

Features:

1. Heating: Electric heat.
2. Temperature control: Hot air circulation.
3. Temperature range: 25°C~650°C.



Continuous Type Pallet Die Heating Furnace

連續式棧板模具加熱爐

Machine Model: JK-BOX-DL

用途: 低壓鑄造模具殼模燒結。

特性:

1. 加熱方式: (a) 電熱、(b) 瓦斯。
2. 控溫方式: 採用比例式溫度控制, 配合循環風車強制對流。
3. 進出方式: 棧板台車。
4. 開門方式: 氣壓缸驅動爐門上開。
5. 輸送方式: 滾輪輸送前後自動進料。
6. 使用溫度範圍: 25°C~580°C。

Applications: Apply to sintering low-pressure casting mold.

Features:

1. Heating: (a) Electric heat. (b) Gas.
2. Temperature control: Temperature is proportionally controlled and interacting with wind current generated by windmill.
3. Move in/Move out: Pallet.
4. Opening: The cylinder drives the furnace gate rise and fall.
5. Conveying: Material is automatically fed through the rollers.
6. Temperature range: 25°C~580°C.



Low Temperature Box Type Multi-door Hot Air Circulation Heating Furnace 低溫箱型多門熱風循環加熱爐

Machine Model: JK-BOX

用途:

1. 乾燥脫水、預熱。
2. 電子零件加熱。

特性:

1. 加熱方式: 電熱。
2. 控溫方式: 比例式。
3. 使用溫度範圍: 25°C~250°C。

Applications:

1. Apply to drying, dehydrating and preheating.
2. It is used for heating electronic parts.

Features:

1. Heating: Electric heat.
2. Temperature control: Proportionally control.
3. Temperature range: 25°C~250°C



Low Temperature Box Type Hot Air Circulation Heating Furnace 低溫箱型熱風循環加熱爐

Machine Model: JK-BOX

用途:

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Applications:

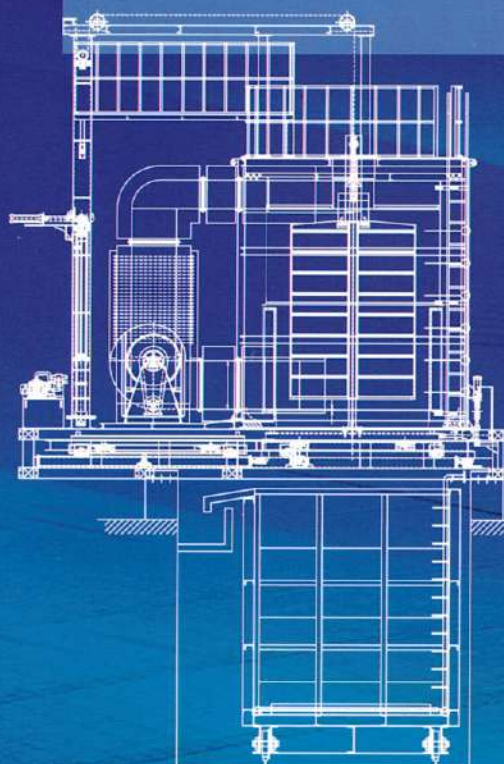
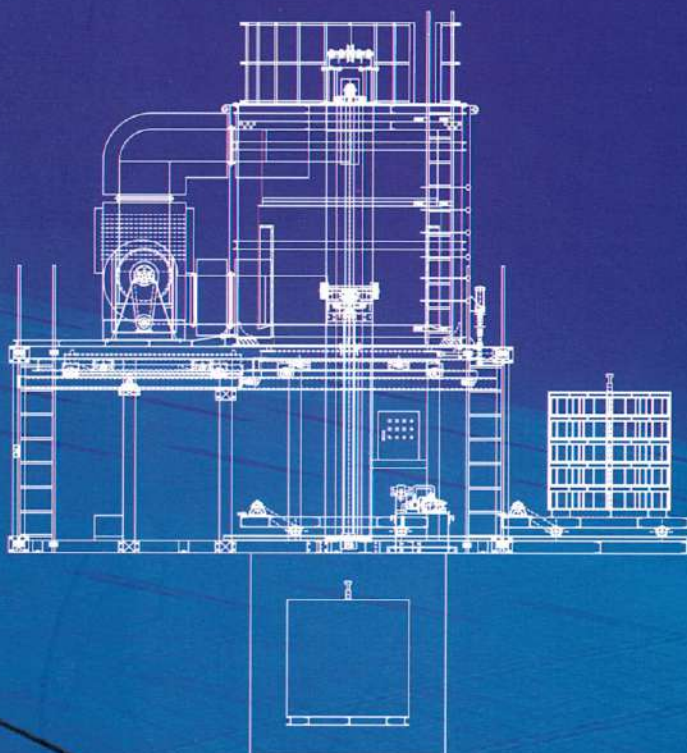
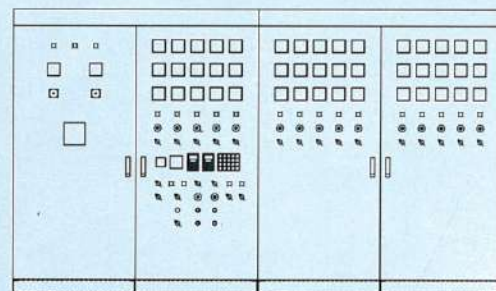
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設計與需求的成果



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