

SINCE 1889



Industrial Equipment

産業機器
产业机器

Product Catalog / 製品カタログ / 産品目録



Targeting Productivity Improvement
生産性向上への貢献を目指します
為提高生産力做出贡献

YAMATO SCIENTIFIC

Fine Oven | Large capacity

DF811C/1011C, DH811C/1011C

Temp. range DF: RT+15~200°C DH: RT+15~300°C **Temp. distribution accuracy** DF: ±3.0°C(at 200°C) DH: ±5.0°C(at 300°C)

Internal capacity 512L 1000L

Constant temp. oven of large capacity and high precision for heat treatment



■ Features

- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Use specialized function menu key and up/down key to set. With repeat function, the program controller has 3 segments and 30 steps.
- Use submenu key to operate overheat protector, deviation correction and key lock.
- Allow quick exhaust and cooling in the unit with the exhaust damper.

■ Safety

- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, ELB to prevent overcurrent, key lock, etc.

■ Specifications

Model	DF811C	DF1011C	DH811C	DH1011C
Method	Forced convection and ventilation			
Performance	Operating temp. range	RT+10~200°C		RT+10~300°C
	Temp. adjustment accuracy	±0.2°C(at200°C)		±0.3°C(at300°C)
	Temp. distribution accuracy	±3.0°C(at200°C)		±5.0°C(at300°C)
	Max. temp. reaching time	Approx. 60min(to200°C)		Approx. 80min(to300°C)
Structure	Interior	Stainless steel plate		
	Exterior	Cold rolled steel plate with chemical proofing coating		
	Insulating material	Glass fibre		Rock wool
	Heater	Stainless steel pipe heater with fin		
		4.5KW	6.0KW	6.9KW
	Blow fan / motor	Axial flow fan, motor 20W×1	Axial flow fan, motor 20W×2	Axial flow fan, motor 20W×1
Controller	Cable hole	I.D. 30mm (the back)		
	Other additional function	Exhaust damper (manual)		
	Temp. control	3 segments PID		
	Temp. setting	Use specialized function menu key and up/down key to set		
	Temp. display	Measured temp. display: green 4-digit LED digital display		
		Setting temp. display: red 4-digit LED digital display		
	Timer	1min-99 hr 59 min and 100 hr-999 hr 50 min (attached with timing wait function)		
	Operation function	Fixed temp. auto start, auto stop, program operation		
	Program mode	Program operation 3 segments 30 steps (30 steps×1, 15 steps×2, 10 steps×3)		
	Additional function	Deviation correction, key lock, power outage compensation		
Specifications	Heater circuit control	SSR driving		
	Sensor	K thermocouple (temp. controller and overheat protector)		
	Safety device	Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, EBL to prevent overcurrent, key lock, etc.		
	Internal dimensions (W×D×Hmm)	800×800×800	1000×1000×1000	800×800×800
Accessories	External dimensions (W×D×Hmm)	1500×1015×1330	1700×1215×1530	1500×1015×1330
	Internal capacity	512L	1000L	512L
	Shelf plate with standard load	30kg/piece		
	Shelf plate steps/shelf rest pitch	12 steps /60mm	19 steps /50mm	12 steps /60mm
Optional	Power source (50/60Hz) rated current	3 phase AC380V 8A	3 phase AC380V 10.5A	3 phase AC380V 11.5A
	Weight	Approx. 160kg	Approx. 230kg	Approx. 160kg
	Shelf plate	Stainless steel wire mesh		
	Shelf rest	3 pcs.		
		Shelf plate (1 plate with 2 rests), cable hole (30/50mm), recorder, alarm indicator lamp (stand-by/running/malfunction), observation window, external communication (RS485), temp. output terminal (4~20mA), Output terminal for external alarm, time up output terminal		

Water Chiller | Large capacity, standard type

C1-001



Usage: cutting blade cooling of semiconductor packaging.

- Significantly prolong the life span of expensive cutting blade.
- The effective capacity of main water tank is 375L.
- Auto control of water inflow, supply, circulation and drainage, easy operation.
- Equipped with the exhaust fan which exhausts released heat of air cooling outdoor.
- Equipped with beacon, emergency stop switch, etc..
- Equipped with the safety devices of water level detection, overheating protection of chiller, delayed start for chiller protection, over-current earth leakage circuit breaker, etc..

Product	Water Chiller, C1-001
Temp. range	4~22°C (internal recycling)
Temp. adjustment accuracy	±1°C (at fluid temp. 7°C)
Temp. expression unit	0.1°C
Chiller•refrigerant	Air cooling 2.2KW R407C
Circulating pump	Submerged multistage centrifugal pump
Circulating capacity	Max. flow (pump capacity): 24L/min(40L/min) Max. lift (pump capacity): 30m(50m)
Water tank material	PVC
Water tank effective capacity	375L
External dimension	W900×D1400×H1700mm
Power source	3 phase AC380V 6A

Water Chiller | Large capacity, narrow type

C1-002



Usage: cutting blade cooling of semiconductor packaging.

- Significantly prolong the life span of expensive cutting blade.
- Narrow design, save the installation space.
- The effective capacity of main water tank is 200L.
- Auto control of water inflow, supply, circulation and drainage, easy operation.
- Equipped with the exhaust fan which exhausts released heat of air cooling outdoor.
- Equipped with beacon, emergency stop switch, etc..
- Equipped with the safety devices of water level detection, overheating protection of chiller, delayed start for chiller protection, over-current earth leakage circuit breaker, etc..

Product	Water Chiller, C1-002
Temp. range	4~10°C (internal recycling)
Temp. adjustment accuracy	±1°C (at fluid temp. 7°C)
Temp. expression unit	0.1°C
Chiller•refrigerant	Air cooling 2.2KW R407C
Circulating pump	Submerged multistage centrifugal pump
Circulating capacity	Max. flow (pump capacity): 24L/min(40L/min) Max. lift (pump capacity): 30m(50m)
Water tank material	PVC
Water tank effective capacity	200L
External dimension	W650×D1200×H1750mm
Power source	3 phase AC380V 6A

Curing Oven | 2-chamber•4-chamber•6-chamber

C1-003



Usage: semiconductor packaging program segment, for resin curing.

- Available for 2/4/6-chamber combination (independent control for each chamber), save the installation space.
- Horizontal convection.
- Fast temp. rising and cooling, with program operation function.
- Equipped with auto lock, N2 flowmeter, temp. recorder, emergency stop switch, etc..
- Equipped with the safety devices of auto overheat protector, overheat protector, abnormal N2 pressure, abnormal N2 flow, over-current earth leakage circuit breaker, etc..

Product	Curing Oven, C1-003
Temp. range	40~260°C
Temp. distribution accuracy	±5.0°C(at 175°C)
Temp. rising time	15min (50°C→175°C)
Temp. cooling time	30min(175°C→50°C)
Operation function	Fixed temp., program operation
Configuration	Air exhaust actuator, N2 introduction device, recorder, etc.
Internal dimension	W450×D520×H300mm (single chamber)
Power source	3 phase AC380V



Curing Oven | Clean class 100, oxygen concentration 50ppm

C1-004



Usage: semiconductor packaging program segment, for resin curing.

- Max. working temp. 360°C, clean class 100, oxygen concentration less than 50ppm.
- Program operation function, auto / manual mode.
- Fast temp. rising and cooling, and air cooling or air cooling+water cooling are available for cooling method.
- Equipped with auto lock, digital pressure gauge, digital flowmeter, etc..
- Equipped with the safety devices of auto overheat protector, overheat protector, abnormal N2 pressure, abnormal N2 flow, over-current earth leakage circuit breaker, etc..

Product	Curing Oven, C1-004
Temp. range	RT+30~360°C
Temp. distribution accuracy	±4.0°C(at 360°C)
Temp. rising time	15min (RT→360°C)
Temp. cooling time	60min(360°C→50°C)
Clean class	100 (at constant temp.)
HEPA filter	Dust collection efficiency: 0.3um particle more than 99.97%
Operation function	Fixed temp., program operation
Configuration	N2 introduction device, water cooling device, differential pressure gauge, etc.
Internal dimension	W660×D660×H500mm
Power source	3 phase AC380V

English

日本語

中文繁體

Forced Convection Constant Temp.Oven | Front and rear doors

C1-005



Usage: ageing treatment of electronic products.

- Front and rear doors, embedded in the wall to install, ensure the cleanliness of room.
- Cart moving in integrally, improve the production efficiency.
- Interlock function of two doors, prevent misoperation.
- Front and rear sides synchronously display all the operation status.
- Auto stop function.
- Equipped with the safety devices of auto overheat protector, overheat protector, over-current earth leakage circuit breaker, etc..

Product	Water Chiller, C1-005
Temp. range	RT+20~℃180℃
Temp. distribution accuracy	±5.0℃(at 180℃)
Temp. rising time	100min (RT→180℃)
Operation function	fixed temp., auto stop operations
Configuration	Independent overheat protector, electromagnetic lock, etc.
Internal dimension	W1000×D1850×H2150mm
Power source	Single phase AC220V

Forced Convection Constant Temp.Oven | Combination type

C1-006



Usage: thermal treatment of products.

- Use overlapping stands to combine one machine with several units to save installation space.
- The electromagnetic lock is equipped at door.
- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, ELB to prevent overcurrent, key lock, etc.

Product	Water Chiller, C1-006
Method	Forced convection
Operating temp. range	RT+10~260℃
Temp. adjustment accuracy	±1℃ (at210℃)
Temp. distribution accuracy	±2.5℃(at210℃)
Operation function	Fixed temp., program, auto stop and auto start operations
Additional function	Deviation correction, key lock, power outage compensation
Internal dimension	W700×D500×H500mm (single)
Power source	Single phase AC220V

Conveyor Drying Oven | Full-automatic

C1-007



Usage: thermal treatment during electronic components production process.

- The drying oven is installed at conveyor, improve the efficiency of thermal treatment and save space.
- The conveyor speed is adjustable and be able to set multiple treatment processes.
- Program operation function.
- Equipped with frequency converter, beacon, infrared switch, etc..
- Equipped with the safety devices of auto overheat protector, overheat protector, emergency stop switch, conveyor overload protection, over-current earth leakage circuit breaker, etc..

Product	Conveyor Drying Oven, C1-007
Temp. range	RT+20~80°C
Temp. distribution accuracy	±10°C(at 80°C)
Temp. rising time	15min (RT→80°C)
Operation function	Fixed temp., program operation
Conveyor speed	0.035-0.35m/min
Conveyor length	1100mm
Inlet and outlet dimension	W400×H65mm
Power source	3 phase AC380V

Conveyor Drying Oven | Full-automatic, mass treatment

C1-008



Usage: products thermal treatment.

- The conveyor drying oven is set at production line and significantly improve the production efficiency.
- Full-automatic control.
- The conveyor speed is adjustable and be able to set multiple treatment processes.
- Program operation function.
- Equipped with frequency converter, beacon, cylinder, etc..
- Equipped with the safety devices of auto overheat protector, overheat protector, emergency stop switch, conveyor overload protection, over-current earth leakage circuit breaker, etc..

Product	Conveyor Drying Oven, C1-008
Temp. range	RT+20~120°C
Temp. distribution accuracy	±10°C(at 120°C)
Temp. rising time	50min (RT→120°C)
Operation function	Fixed temp., program operation
Door open & close control	Cylinder
Conveyor length	3000mm
Inlet and outlet dimension	W800×H215mm
Power source	3 phase AC380V

English

日本語

中文繁體

Vacuum Drying Oven | Large capacity

DP83C/103C

Temp. range 40~200°C

Operating vacuum degree range DF: $\pm 3.0^{\circ}\text{C}$ (at 200°C)

Internal dimension 512L 1000L

This is a vacuum drying oven for treatment on a large scale and designed for large-size part.



Features

- A vacuum pump can be installed inside the oven.
- Quick connecting flange piping is adopted, easy to connect.
- Easy to disassembly piping, so easy for vacuum pump maintenance.
- Because the exhaust system is improved, significantly shorten the time to reach vacuum, working efficiency is improved.
- Use specialized function menu key and up/down key to set. With program operation function, use submenu key to operate overheat protector, deviation correction, etc..

Safety

- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, ELB to prevent overcurrent, key lock, etc.
- For safety, resin protection panel is installed at the observation window.

Specifications

Model	DP83C	DP103C
Method	Decompression•chamber wall heating	
Performance	Operating temp. range	40~200°C
	Operating pressure range	101~0.1kPa(760~1Torr)
	Temp. adjustment accuracy	$\pm 1^{\circ}\text{C}$ (at 200°C)
Structure	Interior	Stainless steel plate
	Exterior	Cold rolled steel plate with chemical proofing coating
	Insulating material	Glass fibre
	Heating method	Decompressed chamber wall direct heating
	Heater power	6.5KW 14.4KW
	Observation window	Toughened glass + resin protection panel
	Vacuum gauge	Pointer type, -100~0KPa
Controller	Vacuum pump installation room	Yes
	Temp. control	3 segments PID
	Temp. setting	Use specialized function menu key and up/down key to set
	Temp. display	Measured temp. display: green 4-digit LED digital display Setting temp. display: red 4-digit LED digital display
	Timer	1min-99 hr 59 min and 100 hr-999 hr 50 min (attached with timing wait function)
	Operation function	Fixed temp. auto start, auto stop, program operation
	Program mode	Program operation 3 segments 30 steps (30 steps×1, 15 steps×2, 10 steps×3)
	Additional function	Deviation correction, key lock, power outage compensation
	Heater circuit control	SSR driving
Safety device		Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, EBL to prevent overcurrent, key lock, etc.
Specifications	Internal dimensions (W×D×Hmm)	800×800×800 1000×1000×1000
	External dimensions (W×D×Hmm)	1020×1020×1850 1300×1280×2110
	Internal capacity	512L 1000L
	Air exhaust port	NW40 flange
	Air suction port	Rc3/8
	Power source (50/60Hz) rated current	AC220V 31.5A 3 phase AC380V 27A
Accessories	Weight	Approx. 450kg Approx. 1000kg
	Stainless steel punching plates, 2 pcs.	Stainless steel punching plates, 4 pcs.
Optional	Shelf plate, vacuum pump, N2 introduction device, recorder, alarm indicator lamp (stand-by/running/malfunction), external communication (RS485), temp. output terminal (4~20mA), Output terminal for external alarm, time up output terminal	

Vacuum Drying Oven | Fast temp. rising and cooling

C2-001



Usage: in battery manufacturing engineering, vacuum drying to remove the moisture and solvent in the electrode material.

- Fast temp. rising and cooling to improve production efficiency.
- Auto/manual mode, at auto mode, the air exhaust, temp. rising, treatment, cooling, deflation are controlled automatically, one key operation.
- Chamber wall and shelf plate heating, shorten the temp. rising time and improve temp. distribution accuracy.
- Be able to select "air cooling (air jacket) + air cooling (cooling pipe)" or "air cooling (air jacket) + water cooling (cooling pipe)" to significantly shorten the cooling time.
- Equipped with the safety devices of auto overheat protector, overheat protector, abnormal N2 pressure, abnormal N2 flow, abnormal cylinder action, instant power outage protection, over-current earth leakage circuit breaker, etc..

Product	Vacuum Drying Oven, C2-001
Method	Decompression • chamber wall and shelf plate heating
Operating temp. range	RT+30 ~ 250°C
Operating vacuum range	101 ~ 0.1KPa
Temp. rising time	Approx. 75min (RT→185°C)
Temp. cooling time	Approx. 90min (185→50°C)
Temp. adjustment accuracy	±1°C(at185°C)
Temp. distribution accuracy	±10°C(at 185°C)
Internal dimension	W600×D600×H600mm (single chamber)
Power source	3 phase AC380V

Vacuum Drying Oven | Far-infrared heating, fast temp. rising and cooling

C2-002



Usage: in battery manufacturing engineering, vacuum drying to remove the moisture and solvent in the electrode material.

- Fast temp. rising and cooling to improve production efficiency.
- Auto/manual mode, at auto mode, the convection, air exhaust, temp. rising, treatment (repeatedly air suction and exhaust in process), cooling, deflation are controlled automatically, able to edit various production programs, realize one key operation.
- Adopt far-infrared heating tube to heat, condenser with fin (cooling water) to cool, and use the forced convection structure, temp. rising and cooling time is very short.
- Equipped with door detection switch, automatic door locks, door leak detection oxygen concentration meter, chamber oxygen concentration meter, pirani vacuum gauge, etc..
- Equipped with the safety devices of auto overheat protector, overheat protector, abnormal N2 pressure, abnormal oxygen concentration, abnormal cooling water, instant power outage protection, over-current earth leakage circuit breaker, etc..

Product	Vacuum Drying Oven, C2-002
Method	Decompression •far-infrared tube heating
Operating temp. range	RT+10 ~ 200°C
Operating vacuum range	101kPa ~ 1Pa
Temp. rising time	Approx. 90min(RT→185°C)
Temp. cooling time	Approx. 90min(185→50°C)
Temp. adjustment accuracy	±1°C(at185°C)
Temp. distribution accuracy	±5°C(at 185°C)
Internal dimension	W700×D1250×H700mm (single chamber)
Power source	3 phase AC380V

English

日本語

中文繁體

Vacuum Drying Oven | 2-chamber, temperature & vacuum auto control

C2-003



Usage: vacuum drying of electrode materials.

- Adopt upper and lower chambers layout, independent control for each, save the installation space.
- Auto / manual modes are available.
- When the program is running, the automatic program running of vacuum pump linkage can be carried out.
- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Use submenu key to operate overheat protector, deviation correction and key lock.
- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, ELB to prevent overcurrent, key lock, etc.

Product	Vacuum Drying Oven, C2-003
Method	Decompression • chamber wall heating
Operating temp. range	40 ~ 200°C
Operating vacuum range	101 ~ 0.1KPa
Max. temp. reaching time	Approx. 120min (RT→200°C)
Temp. adjustment accuracy	±1°C(at 200°C)
Internal dimension	W450×D450×H450mm (single chamber) W600×D600×H600mm (single chamber)
Power source	Single phase AC220V

Vacuum Drying Oven | Temp. range 200°C/300°C/400°C, full-automatic program control

C2-004



Usage: vacuum drying of electrode materials.

- The max. temperature 200°C/300°C/400°C is optional.
- According to technical requirements, be able to run the complicated programs.
- Equipped with the pirani vacuum gauge.
- N2 or air is available to be selected for air suction, and air suction speed is adjustable.
- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, ELB to prevent overcurrent, etc.

Product	Vacuum Drying Oven, C2-004		
Method	Decompression • chamber wall heating	Decompression • internal heating	
Operating temp. range	40~200°C	40~300°C	40~400°C
Operating vacuum range	101 ~ 0.1KPa		
Temp. rising time	Approx. 80min (RT→200°C)	Approx. 120min (RT→300°C)	Approx. 60min (RT→400°C)
Temp. adjustment accuracy	±1°C		
Configuration	Pirani vacuum gauge		
Internal dimension	4 type: W450×D450×H450mm 6 type: W600×D600×H600mm		
Power source	Single phase AC220V		

English

日本語

中文繁體

Auto Clave | Standard type

YYK500/750/800/900

Temp. range RT+10~70°C

Max. working pressure 0.9MPa

Internal dimension Φ500×850mm Φ750×1100mm Φ800×1100mm Φ900×1300mm

Used to remove the residual air bubbles after sticking polarizer in LED production



Features

- No temp. overshoot, the ideal temp. uniformity is available.
- 4 steps working procedures:
 - ① Preheat: temp. rising, no pressurizing
 - ② Pressurizing: holding temp., pressurizing
 - ③ Deaeration: holding temp., deaerating
 - ④ End: temp. cooling, pressure dropping
- Adjustable air suction and exhaust speed
- Any chamber size is available upon customer's requirement.

Safety

- Door open / close detection, door lock / unlock detection, higher pressure alarm, air inlet pressure detection, safety valve, independent overheat protector, ELB to prevent over-current.

Specifications

Model	YYK500	YYK750	YYK800	YYK900
Method	Heating + pressurizing			
Specifications	Class-1 pressure container (AQSIQ pressure container verification)			
Performance	Operating temp. range	RT+10~70°C		
	Operating pressure range	0.101~0.9MPa		
	Temp. distribution accuracy	±3°C(at50°C)		
	Max. temp. reaching time	Within 15min (adjustable)		
	Max. pressure reaching time	Within 20min (adjustable)		
Chamber	Internal dimension (effective)	Φ500mm×850Lmm	Φ750mm×1100Lmm	Φ800mm×1100Lmm Φ900mm×1300Lmm
	Material	SUS304 stainless steel, internal polishing		
	Max. operating pressure	0.9MPa		
	Hydraulic test pressure	1.35MPa		
	Medium	Dry air (pressure: working pressure +0.05MPa or higher)		
Control	Opening/closing system	Manual clutch easy to operate		
	Pressurizing system	Controlled by pressure controller		
	Heating system	PID control		
	Stirring system	Stirred by centrifugal fan (Water-Cooling is not required for shaft seal, free-maintenance)		
	Control system	PLC control		
	Pressure gauge	Pressure range: 0 to 1.0Mpa, accuracy: ±1% (with upper limit alarm contact)		
	Temp. controller	Digital setting and display, PID control		
	Pressure controller	Digital setting and display, ON/OFF control		
	Working timer	Time range: 99 hr 59min, Digital setting and display,		
	Temp. sensor output	5 groups of K thermocouple output terminals		
Safety device		Door open / close detection, door lock / unlock detection, higher pressure alarm, air inlet pressure detection, safety valve, motor overheating protection, independent overheat protector, ELB to prevent over-current		
Specifications	External dimensions (W×D×Hmm)	1000×1656×1546	1200×1957×1781	1250×2057×1806 1400×1950×2232
	Air suction port	15A (internally equipped with air filter and oil mist separator)		
	Air exhaust port	20A (manual and auto exhaust, equipped with silencer)		
	Power source (50/60Hz) rated current	3 phase AC380V 7A	3 phase AC380V 8A	3 phase AC380V 9A 3 phase AC380V 12A
	Weight	Approx. 700kg	Approx. 900kg	Approx. 1000kg Approx. 1300kg

LCD Ageing Oven | Drawer type

C3-001



Usage: power-on ageing test after assembling LCD panel.

- Drawer design, easy operation and save installation space.
- Apply to LCD panel less than 45 inch.
- Each drawer adopts independent enclosed design, able to pull it out at any time to observe LCD panel ageing state or replace, and will not lead to temperature fluctuation of other drawers.
- Ventilation speed is adjustable.
- Drawer quantity could be customized according to customer requirements.
- Equipped with the safety devices of auto overheat protector, overheat protector, blower overheating protection, over-current earth leakage circuit breaker, etc..

Product	LCD Ageing Oven, C3-001
Operating temp. range	50~60°C
Temp. adjustment accuracy	±0.5°C(at 60°C)
Temp. distribution accuracy	±5°C (at 60°C)
Max. temp. reaching time	Within 30min (RT→60°C)
Operation function	Fixed temp. operation, instant power outage operation recovering function
LCD size	Less than 45 inch
Drawer qty.	Customization
Power source	3 phase AC380V

LCD Ageing Oven | Cart push-in type

C3-002



Usage: power-on ageing test after assembling large-size LCD panel.

- Tracks are installed inside chamber, easy for the ageing cart to be pushed in integrally.
- Apply to 32-50 inch LCD panel.
- The cart and unit body adopt collector electrode for power supply, easy and reliable.
- Sliding door design, the cart could move in or out fast.
- Ventilation speed is adjustable.
- The holding quantity of cart could be customized according to customer requirements.
- Equipped with the safety devices of auto overheat protector, overheat protector, blower overheating protection, cart arrival detector switch, over-current earth leakage circuit breaker, etc..

Product	LCD Ageing Oven, C3-002
Operating temp. range	40~60°C
Temp. adjustment accuracy	±0.5°C (at 60°C)
Temp. distribution accuracy	±5°C (at 60°C)
Max. temp. reaching time	Within 30min (RT→60°C)
Operation function	Fixed temp. operation, instant power outage operation recovering function
LCD size	32~50 inch
Drawer qty.	Customization
Power source	3 phase AC380V

English

日本語

中文繁體

Clean Oven | Clean class 1000

C3-003



Usage: thermal treatment of special materials.

- Clean class 1000.
- Equipped with running alarm lamp.
- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, ELB to prevent overcurrent, key lock, etc..

Product	Clean Oven, C3-003
Method	Forced convection
Operating temp. range	RT+10 ~ 260°C
Temp. adjustment accuracy	±1°C (at 210°C)
Temp. distribution accuracy	±2.5°C(at 210°C)
Operation function	Fixed temp., program, auto stop and auto start operations
Additional function	Deviation correction, key lock, power outage compensation
Internal dimension	W600×D500×H1000mm
Power source	Single phase AC220V

Clean Oven | Clean class 100

C3-004



Usage: drying and storage of special materials.

- Clean class 100.
- The exhaust speed is adjustable, and it is able to dry and store materials containing water.
- Easy operation, available for fixed temp., quick auto stop, auto stop and auto start operations.
- Be able to set overheat protection, deviation correction and key lock.
- Self-diagnosis circuit (abnormal temp. input), power outage compensation, deviation correction, independent overheat protector, ELB to prevent overcurrent, etc..

Product	Clean Oven, C3-004
Operating temp. range	RT+10 ~ 150°C
Temp. adjustment accuracy	±0.5°C (at 150°C)
Temp. distribution accuracy	±5°C (at 150°C)
Max. temp. reaching time	Within 50min (RT→150°C)
Clean class	100 (at constant temp.)
HEPA filter	Dust collection efficiency: 0.3um particle more than 99.97%
Operation function	Fixed temp., quick auto stop, auto stop and auto start operations
Internal dimension	W500×D450×H1050mm
Power source	Single phase AC220V

Vacuum Drying Oven | Oxygen concentration, humidity monitoring

C4-001



Usage: vacuum storage of special materials.

- Equipped with oxygen concentration meter and humidity sensor, real-time measure the oxygen concentration and humidity in chamber.
- The lock is installed at the door.
- Equipped with the safety devices of auto overheat protector, abnormal N₂ pressure, abnormal oxygen concentration meter, over-current earth leakage circuit breaker, etc.

Product	Vacuum Drying Oven, C4-001
Method	Decompression • chamber wall heating
Operating temp. range	40 ~ 240°C
Operating vacuum range	101 ~ 0.1KPa
Temp. rising time	Approx. 60min (RT→240°C)
Temp. adjustment accuracy	±1.5°C(at185°C)
Configuration	oxygen concentration meter, humidity sensor
Internal dimension	W300×D300×H300mm
Power source	Single phase AC220V

Forced Convection Constant Temp. Oven | Adjustable air speed

C4-002



Usage: mould preheating.

- Equipped with air speed adjusting knob to change the air speed.
- Double door, install large observation windows.
- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, ELB to prevent overcurrent, key lock, etc.

Product	Forced Convection Constant Temp. Oven, C4-002
Method	Forced convection circulation
Operating temp. range	RT+10 ~ 150°C
Temp. adjustment accuracy	±1°C (at150°C)
Temp. distribution accuracy	±5°C (at150°C)
Operation function	Fixed temp., program, auto stop and auto start operations
Additional function	Deviation correction, key lock, power outage compensation
Internal dimension	W800×D600×H1265mm
Power source	Single phase AC220V

Forced Convection Constant Temp. Drying Oven | Cart move-in type

C4-003



Usage: thermal treatment of materials.

- The cart is moved in or out integrally to improve the production efficiency.
- Program operation function.
- Manually adjust the exhaust port to reach the required ventilation volume (max. 100 times/hr).
- Fluoro rubber sealing strip.
- Equipped with the safety devices of auto overheat protector, overheat protector, over-current earth leakage circuit breaker, etc..

Product	Forced Convection Constant Temp. Drying Oven, C4-003
Temp. range	RT+20~120°C
Temp. distribution accuracy	±2.0°C (at 120°C)
Temp. rising time	50min (RT→120°C)
Ventilation volume	Max. 100 times/hr
Operation function	Fixed temp., program operations
Configuration	Independent overheat protector, beacon, manual air exhausting device
Internal dimension	W700×D700×H1200mm
Power source	Single phase AC220V

Forced Convection Constant Temp. Oven | Cart push-in type

C4-004



Usage: conduct drying treatment after surface coating of parts.

- The cart is pushed in integrally to conduct drying treatment, improve the production efficiency.
- Equipped with running alarm lamp, and manually adjust the exhaust port.
- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, ELB to prevent overcurrent, key lock, etc..

Product	Forced Convection Constant Temp. Oven, C4-004
Method	Forced convection circulation
Operating temp. range	RT+20 ~ 150°C
Temp. adjustment accuracy	±1°C (at150°C)
Temp. distribution accuracy	±2.5°C(at150°C)
Operation function	Fixed temp., program, auto stop and auto start operations
Additional function	Deviation correction, key lock, power outage compensation
Internal dimension	W820×D820×H1370mm
Power source	Single phase AC220V

Ageing Test System | Single temperature zone

C4-005



Usage: parts power-on ageing test.

- Combine with customer's parts to form an integrated test system.
- Single temperature zone control.
- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, ELB to prevent overcurrent, key lock, etc.

Product	Ageing Test System, C4-005
Method	Forced convection circulation
Operating temp. range	RT+10 ~ 260°C
Temp. adjustment accuracy	±1°C (at210°C)
Temp. distribution accuracy	±2.5°C (at210°C)
Operation function	Fixed temp., program, auto stop and auto start operations
Additional function	Deviation correction, key lock, power outage compensation
Internal dimension	W600×D500×H1000mm
Power source	Single phase AC220V

Ageing Test System | Multiple temperature zone

C4-006



Usage: parts power-on environment test.

- Combine with customer's parts to form an integrated test system.
- Multiple temperature zone control.
- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, ELB to prevent overcurrent, key lock, etc.

Product	Ageing Test System, C4-006
Method	Forced convection circulation
Operating temp. range	RT+10 ~ 100°C
Temp. adjustment accuracy	±1°C (at100°C)
Temp. distribution accuracy	±2.5°C (at100°C)
Operation function	Fixed temp., program, auto stop and auto start operations
Additional function	Deviation correction, key lock, power outage compensation
Internal dimension	Each temp. zone W710×D460×H140mm
Power source	Single phase AC220V

Coater | Automatic control

C4-007



Usage: assembly line equipment of small parts from coating to drying.

- Coating room + conveyor drying oven + air exhaust system..
- Anti-explosion structure and fire proof door.
- Speed adjusting range 300-600mm/min.
- Equipped with the safety devices of abnormal temp. sensing, heater disconnection, overheat protector, abnormal air blowing and exhausting, abnormal conveyor, fire proof door, ELB to prevent overcurrent, etc.

Product	Coater, C4-007
Method	Forced convection circulation
Operating temp. range	80 ~ 100°C
Temp. adjustment accuracy	±1°C (at 100°C)
Conveyor	Stainless steel Speed 300-600mm/min
Exhausting method	Forced exhaust of centrifugal fan
Coating room	Auto-manual system
Power source	3 phase A380V

Forced Convection Constant Temp. Drying Oven | Large walk-in type

C4-008



Usage: drying treatment of special materials.

- Large walk-in type.
- Double door structure, anti lock mechanism.
- Easy operation, available for fixed temp., program, quick auto stop, auto stop and auto start operations.
- Self-diagnosis circuit (abnormal temp. sensing, heater disconnection, auto overheat prevention, SSR short circuit), overheat protector, ELB to prevent overcurrent, key lock, etc.

Product	Forced Convection Constant Temp. Drying Oven, C4-008
Method	Forced convection circulation
Operating temp. range	RT+10 ~ 100°C
Temp. adjustment accuracy	±1°C (at 100°C)
Temp. distribution accuracy	±5°C (at 100°C)
Operation function	Fixed temp., program, auto stop and auto start operations
Additional function	Deviation correction, key lock, power outage compensation
Internal dimension	W3500×D3500×H3000mm
Power source	3 phase AC380V

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