

## BEST CHOICE TO GO WITH VOLUME PRODUCTION E-THERM/ M6/M8/M10 G2 LEAD FREE REFLOW OVEN



### Description:

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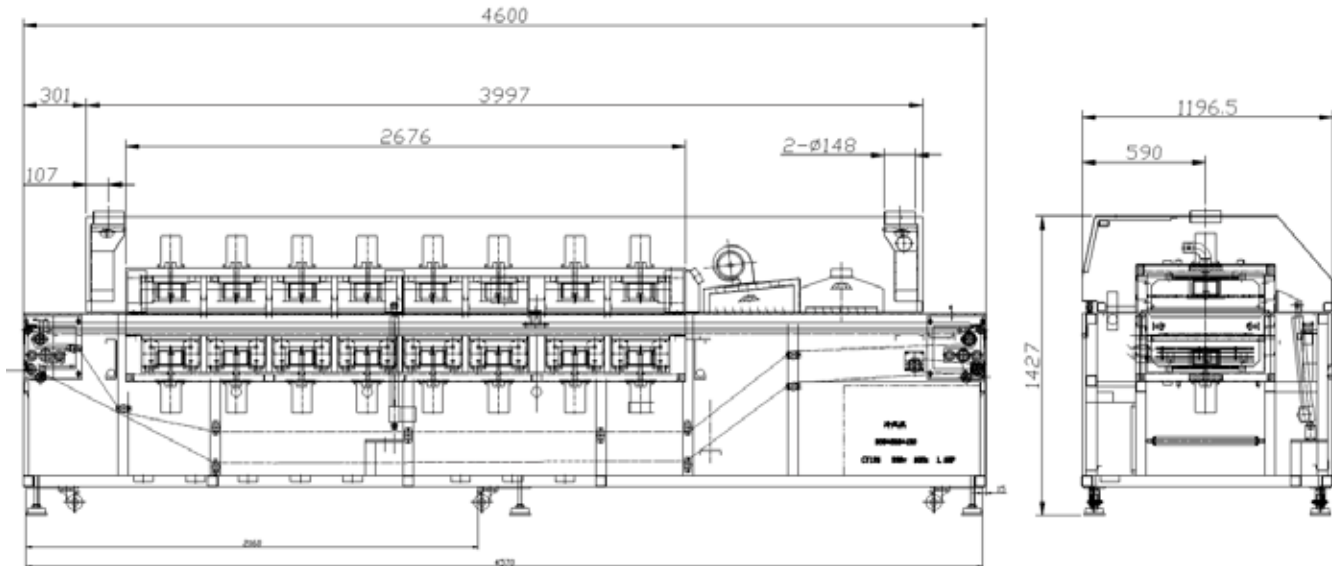
M6/M8/M10 G2 is a capable lead free CE certificated reflow oven with 6/8/10 upper & 6/8/10 bottom individual hot air convection zones and 2 cooling zones with chiller, pin chain & mesh belt inline conveyor. with accurate and uniform temperature, it can keep pace with volume production.

### M6/M8/M10 G2 Lead Free Reflow Oven Description:

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- Touch screen and PLC controlling system
- Upper 6/8/10 bottom 6/8/10 individual zones hot air convection
- Stainless steel mesh belt and chain conveyor.
- Conveyor with SMEMA Brand
- Brand electrical component with CE certificated
- Max 400mm PCB width capable.
- Heating tunnel: M6/2060mm M8/2676mm M10/3408mm
- Cooling tunnel: M6/460mm M8/860mm M10/836mm
- Overall length: M6/3571mm M8/4600mm M10/5600mm

## Structure:



## Features:

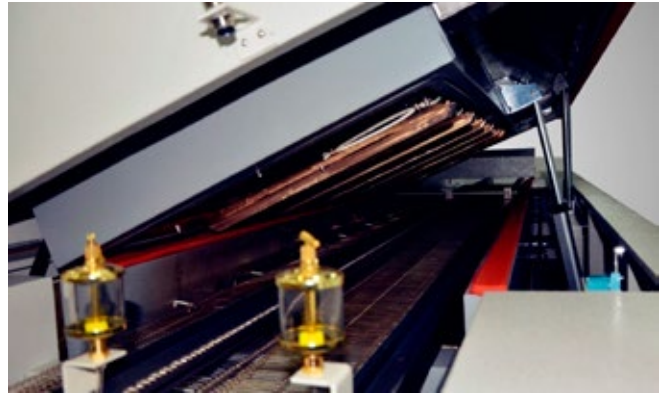
- Streamline shape design make the oven looks great. Touch screen and plc controlling system . It can save 50 groups temperature parameters and provide extra 2 ports for profile testing.
- The software has the functions like , temperature setting and editing, PCB parameter menu, and profile testing, alarms and multi-languages conversion.
- Brand electrical component like Schneider (German) breaker, KETE(Korea) SSR, Omron (Japan) box breaker. Meanwhile the CE certificated blower is specially design for lead-free reflow oven. It runs stable and lower noise.
- Upper zone and hood can be opened by the electrical screw automatically. It is very convenient for cleaning and maintenance. Electrical pole will hold the upper zone andn cover, even when power is off suddently, the cover will not drop down. It's much safer than the air cylinder holder.
- Specially designed aluminum heating system , provide a very quick ramp up time. It takes just 15 minutes from ambient to setting temperature. Meanwhile, this system is easy to replace and maintenance, can ensure the stability of oven temperature
- The inner tunnel of the oven is made of stainless steel which easy for cleans.
- The entire upper and bottom zones are forced air convection; provide great temperature accuracy and uniform.
- Stainless steel mesh belt and pin chain conveyor work together.
- Industrial chiller provides better cooling performance.

## Specifications:

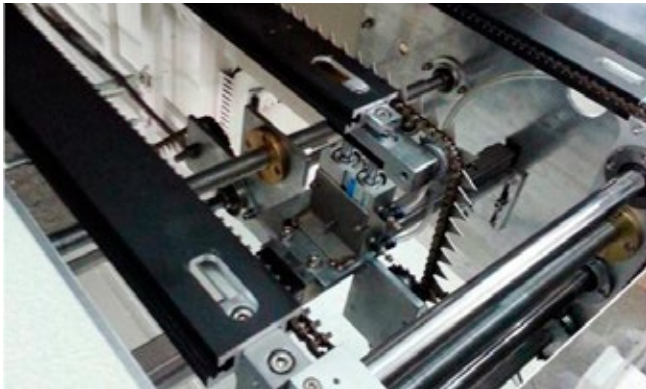
MACHINE	M6	M8	M10
Heating zones	upper 6 zones bottom 6 zones	upper 8 zones bottom 8 zones	upper 10 zones bottom 10 zones
Heating tunnel	2060mm	2676mm	3408mm
Dimension	L3571*W1200*H1450	L4600*W1200*H1450	L5600*W1200*H1450
Net weight	about 1100Kg	about 1300Kg	about 1600Kg
General power	41KW	53KW	65KW
Power consumption	Approx.4KW-8KW	Approx.5KW-9KW	Approx.8KW-15KW
Rising time	12minutes	13minutes	13minutes
Controlling type	Touch screen + PLC controlling		
Heating method	Fully forced air convection		
Temperature controlling	PID close-loop control, SSR drive		
Temperature range	Ambient---350		
Temperature accuracy	±1		
Temperature uniform	±2		
Cooling	Two cooling zones, industrial chiller for cooling		
Conveyor method	Mesh belt and chain conveyor		
Conveyor height	900±20mm		
Mesh belt width	450mm		
Max PCB width	400mm		
Width adjustment	manual		
PCB clearance	30mm		
Conveyor direction	Left to right		
Conveyor speed	0-1000mm/min		
Hook lift	Electrical screw pole		
Power supply	380v,3ph,50hz		



Machine's cover can be easily lifted up by electrical screw. Much safer solution, no need air supply.



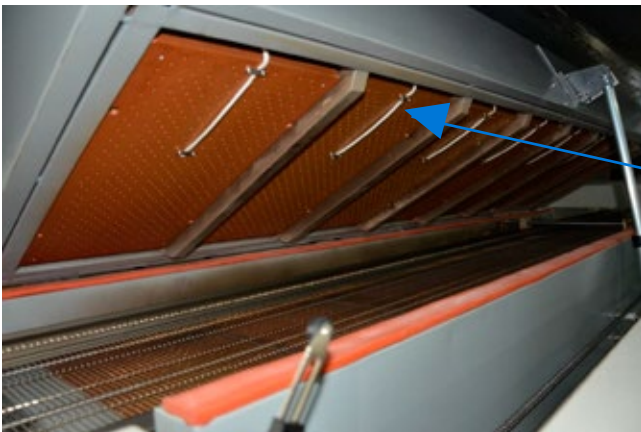
Conveyor: Chain and mesh belt conveyor, all rail has been harden-treated to stand the wear by chain, meanwhile standard equipped with lubrication cup.



Optional to be with center board support system for wide PCB.



Optional to be with dual conveyor system.



Latest self-designed porous plate, get best uniform hot air distribution under the theory of static pressure. New designing :aluminum heating plate +U shape heating tube, more stabile and longer service life.

## M6/M8/M10 G2Lead Free Reflow Oven Includes:

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- Lead free reflow oven
- 6/8/10independently controlled upper heating zones
- 6/8/10independently controlled lower heating zones
- 2 independently controlled cooling zones
- Corrosion-resistant, heatproof, stainless steel heating tunnel
- PID temperature controls for each zone with  $\pm 1^{\circ}\text{C}$  accuracy
- Mesh belt chain conveyoyr
- Pin conveyoyr lubrication
- Colored touch screen panel
- 1 year parts warranty

## Package & shipping:

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