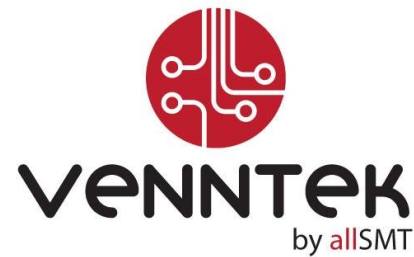
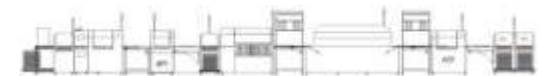




Lead Free Reflow Ovens VT-X Series



Lead Free Reflow Oven VT-X Series:



Lead Free Reflow Oven VT-X Series Specification:

VT-X Lead Free Reflow Oven Machine - Specification

Model	VT-X-8E	VT-X-10E	VT-X-12E
Dimension	L5040*W1430*H1450	L5750*W1430*H1450	L6460*W1430*H1450
Net weight	about 2500Kg	about 3000Kg	about 3500Kg
General power	59KW	73KW	89KW
Power consumption	Approx.7.5KW	Approx.9.5KW	Approx.11KW
Power Supply	3PH 380V 50HZ		
Controlling type	SIEMENTS PC + PLC controlling		
Transport Width	50-440		
Component Height	+30mm/ -20mm		
Tunnel Length	2900mm	3600mm	4300mm
Heating Zone	8 temp zones 16 heating modules	10 temp zones 20 heating modules	12 temp zones 24 heating modules
Flux Recovery	Standard		
Cooling Type	Upper 1+ Bottom 1 cooling zone (air cool) Length: 450mm Option: cooling water	Upper 2+ Bottom 2 cooling zone (air cool) Length:900mm Option: cooling water	



Lead Free Reflow Oven VT-X Series Specification:

VT-X Lead Free Reflow Oven Machine - Specification

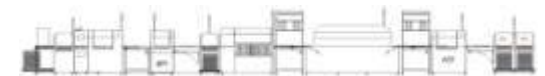
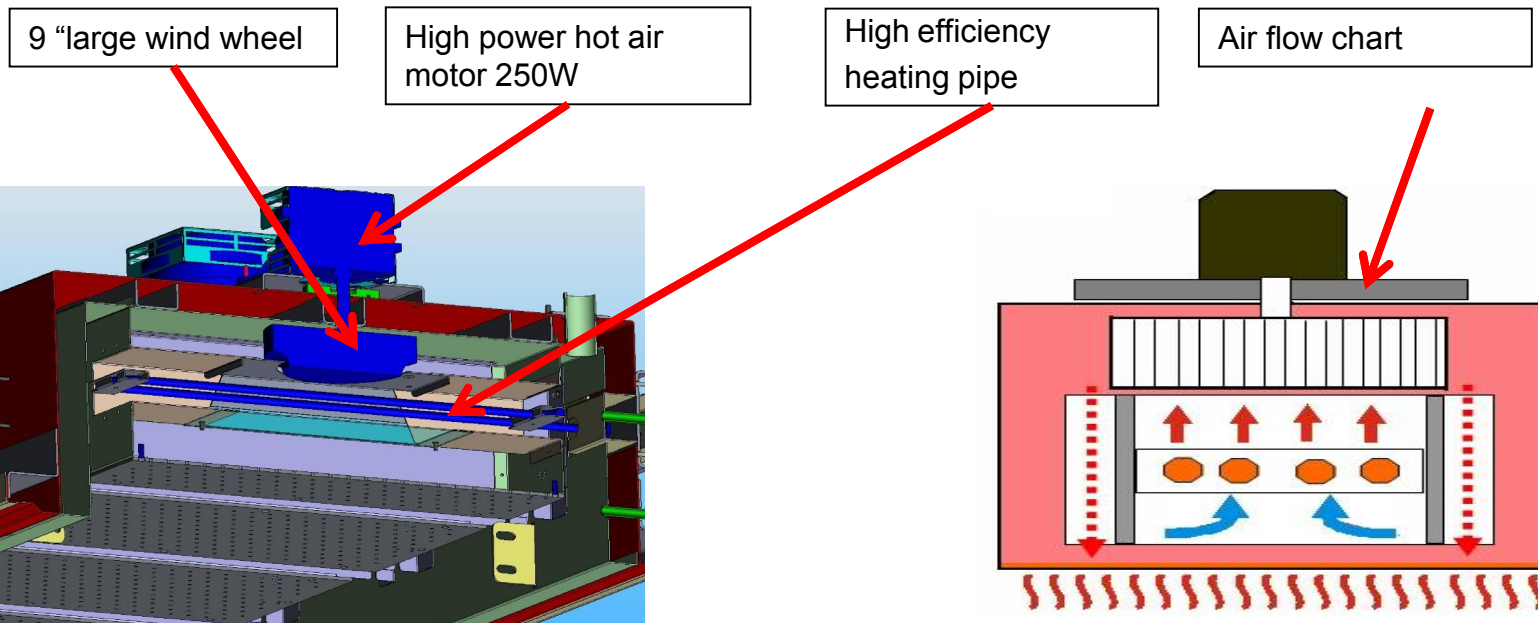
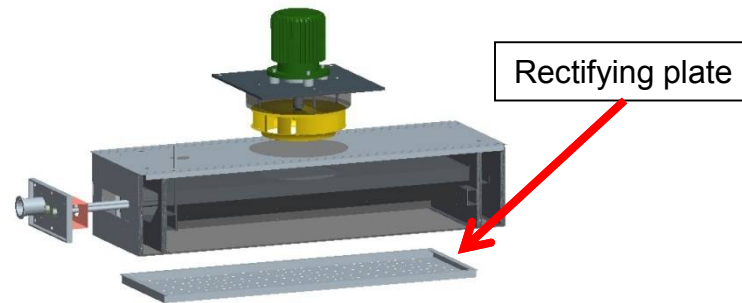
Model	VT-X-8N	VT-X-10N	VT-X-12N
Dimension	L5040*W1430*H1450	L5750*W1430*H1450	L6460*W1430*H1450
Net weight	about 2500Kg	about 3000Kg	about 3500Kg
General power	59KW	73KW	89KW
Power consumption	Approx.7.5KW	Approx.9.5KW	Approx.11KW
Power Supply	3PH 380V 50HZ		
Controlling type	SIEMENTS PC + PLC controlling		
Transport Width	50-440		
Component Height	+30mm/ -20mm		
Tunnel Length	2900mm	3600mm	4300mm
Heating Zone	8 temp zones 16 heating modules	10 temp zones 20 heating modules	12 temp zones 24 heating modules
Flux Recovery	Standard		
Cooling Type	Upper 2+ Bottom 2 cooling zone (cooling water) (Standard) Length: 900mm		



Lead Free Reflow Oven VT-X Series Heating Module :

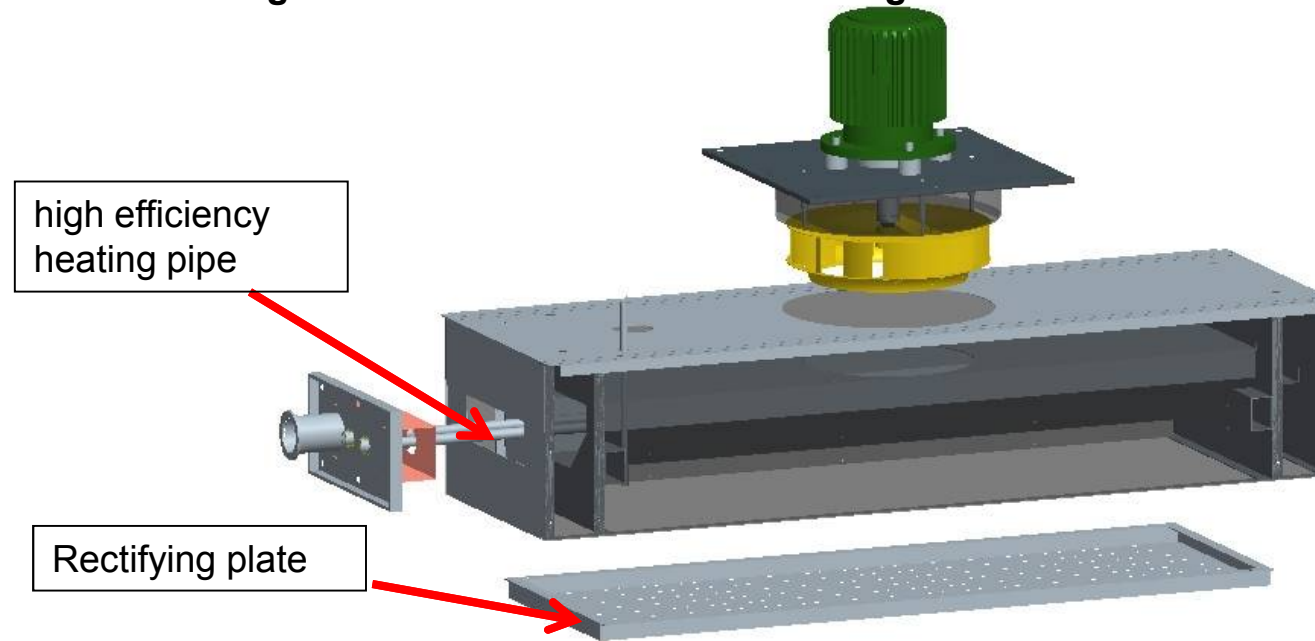
Heating Module

- >Good air circulation
- >better temperature uniformity
- >high heat efficiency



Lead Free Reflow Oven VT-X Series Heating Module :

Schematic diagram of internal structure of heating module



Maintenance:

>Replace the high temperature motor, air wheel and heating pipe independently

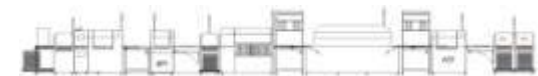
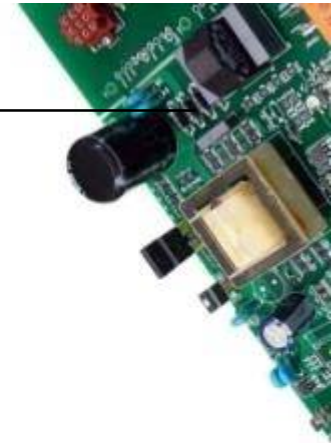
Flexibility:

>Heat pipe can be changed to different power



Lead Free Reflow Oven VT-X Series Heating Module :

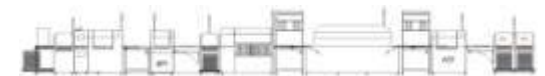
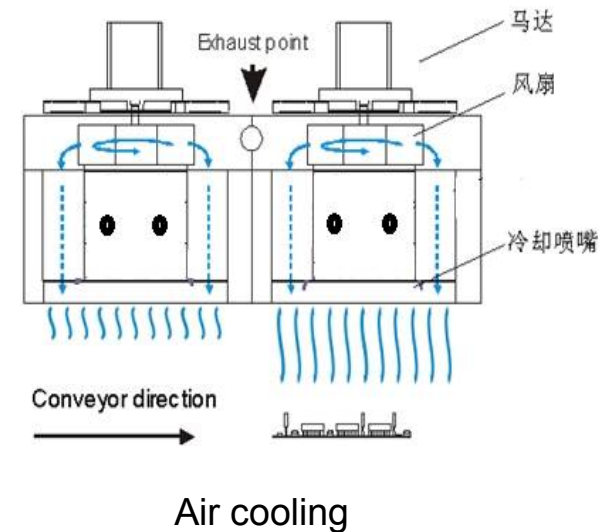
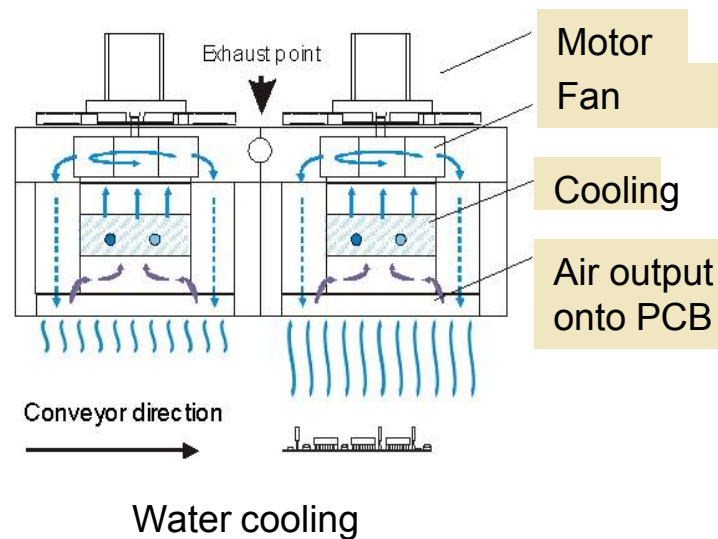
Heating module design, easy for maintenance and cleaning . Front & rear air circulation , ensure the accuracy and stability of temperature & air speed.



Lead Free Reflow Oven VT-X Series Cooling System :

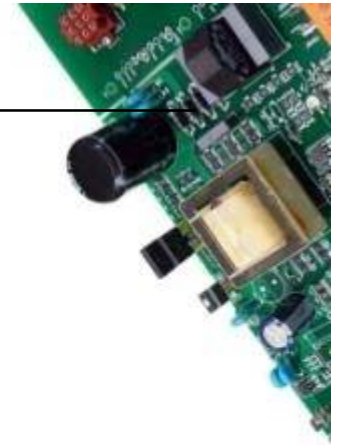
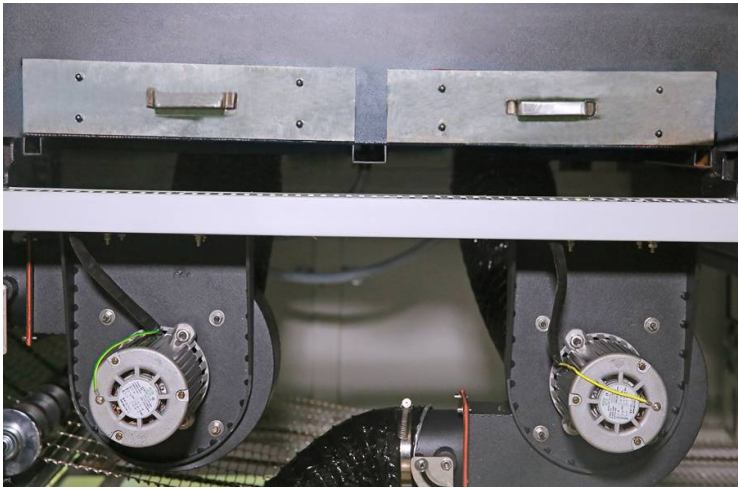
Cooling System:

- >Fulfill lead-free welding quick-cooling requirement
- >Prevent the components and PCB deform
- >Convenience and easy to maintenance.
- >Inter-changeable between air cooling and water cooling system



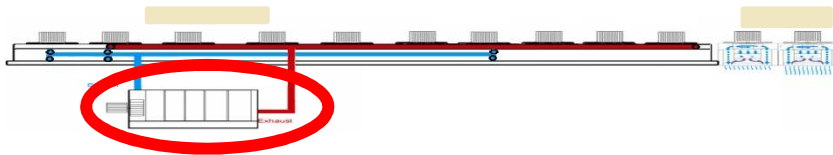
Lead Free Reflow Oven VT-X Series Cooling System :

- 2 cooling zone
- The structure design of the new type cooling drawer makes the big part exhaust gas filter more thorough maintenance is more convenient



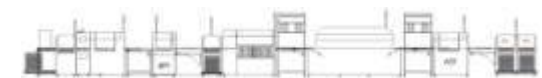
Lead Free Reflow Oven VT-X Series Flux Recovery system Module :

- >Flux Recovery system Module
- >No need to turn off the machine to maintain (on-line maintenance)
- >Modular design for cleaning and maintenance (Remove without tooling)
- >Multi-level flux filtering to ensure high-activity processing(environmental friendly)

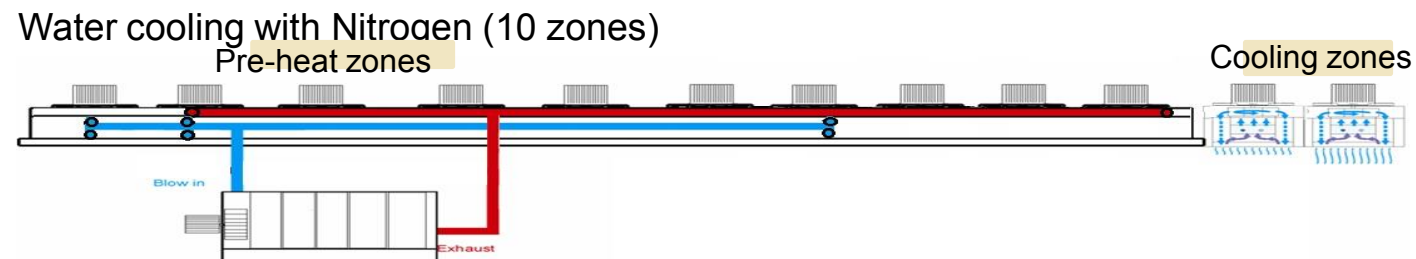
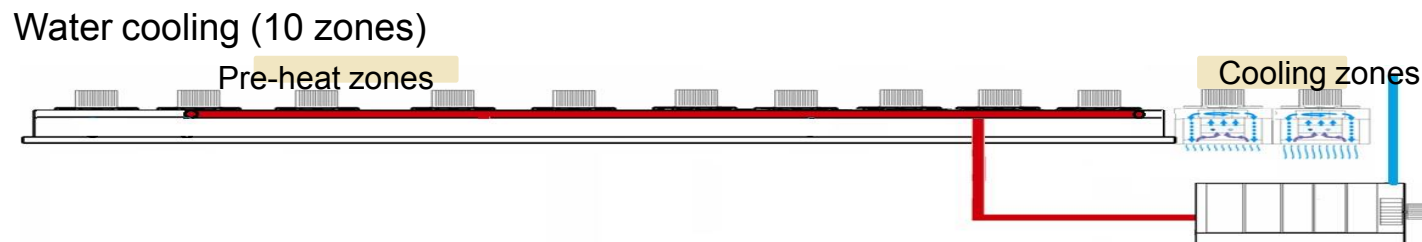
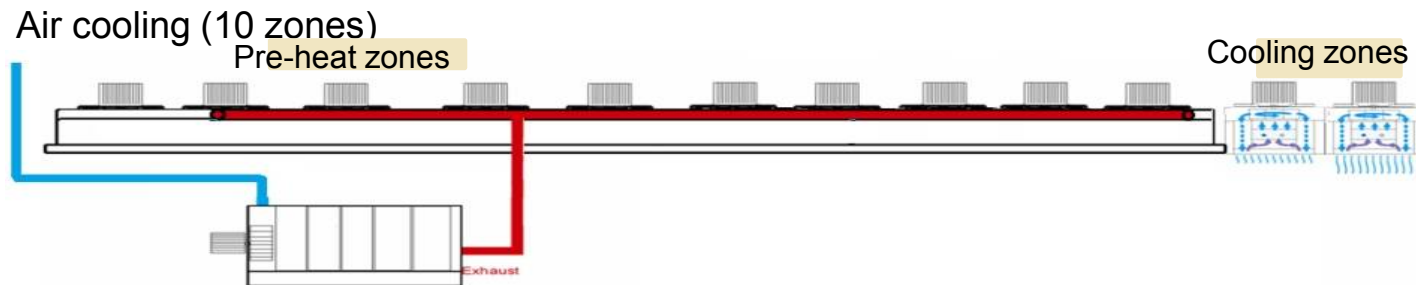


Standard water
cooling with one
Condenser only

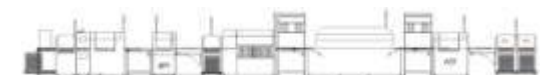
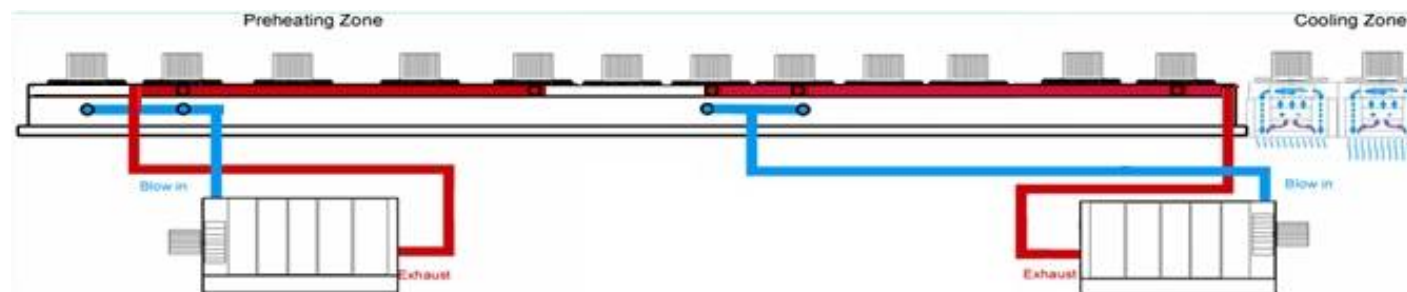
Filter for both water
and air cooling



Lead Free Reflow Oven VT-X Series Flux Recovery system Module :



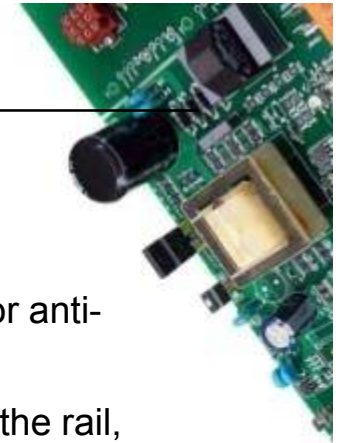
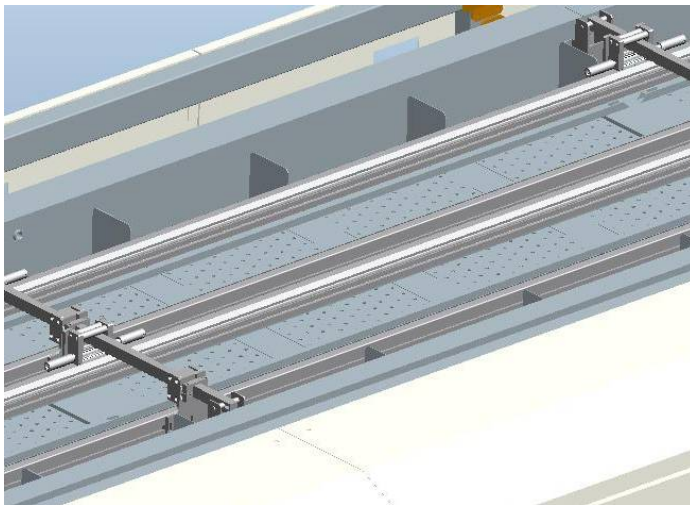
Water cooling with Nitrogen (12 zones)



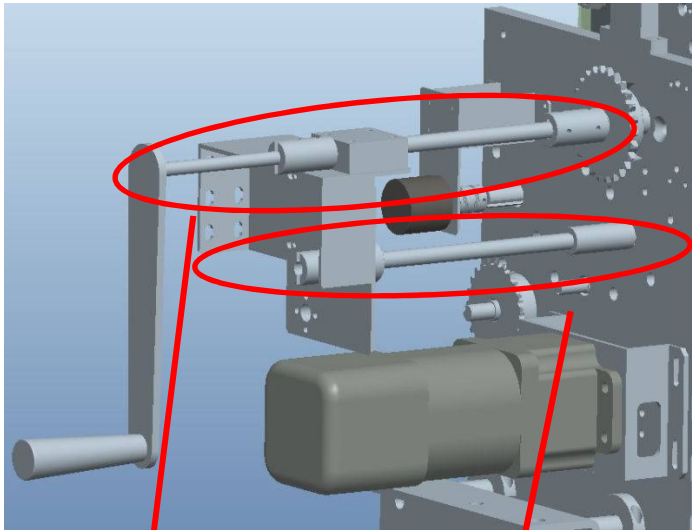
Lead Free Reflow Oven VT-X Series Conveyor System:

Conveyor system

- >The rails is using special aluminum alloy and doing hardness and oxidation treatment for anti-distortion and anti-wear
- >The rails is adopting two section structure design to enhance the bending resistance of the rail, anti distortion
- >Special width adjustment and conveyor structure design to ensure PCB conveying stable and reliable.
- >Manual (for emergency) + electrical width adjustment structure design
- >PCB Equipped with emergency manual conveyor structure to prevent PCB burned when the power is off.

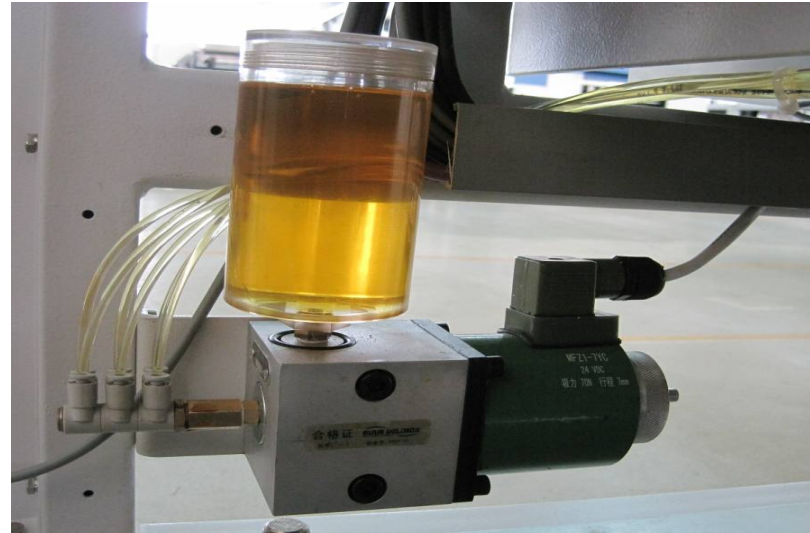


Lead Free Reflow Oven VT-X Series Conveyor System:

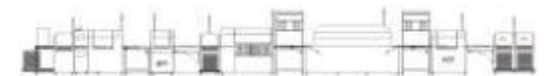


Emergency manual width
adjustment

Emergency manual transport



Automatic lubricating design by pressure pump



Lead Free Reflow Oven VT-X Series Control System:

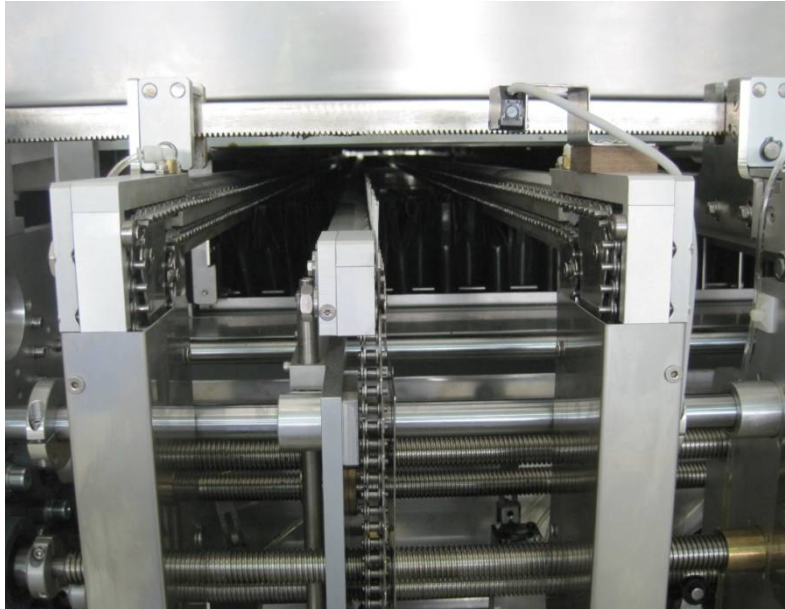
Electric: PC+ PLC control to ensure the equipment running stable

Software:

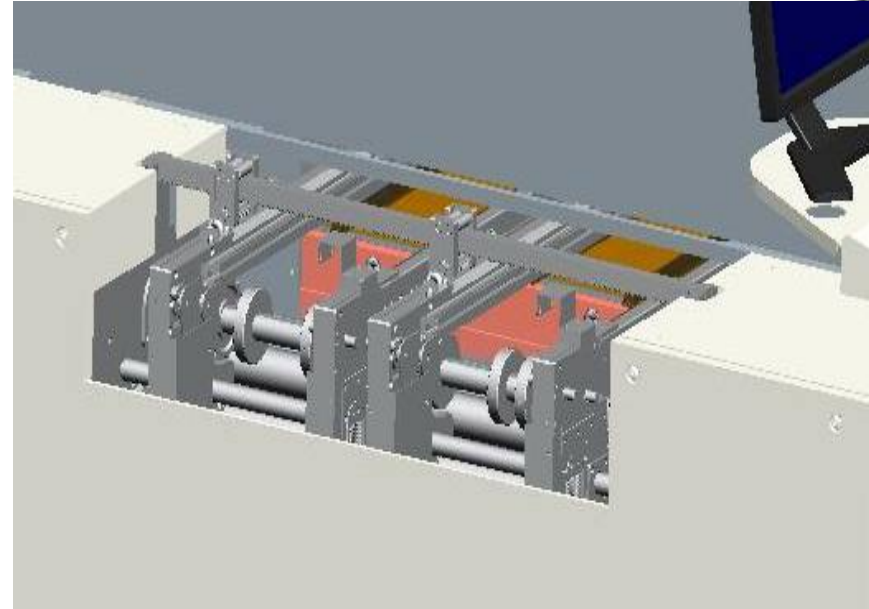
- Windows operation interface, support 2000/XP/win7 operation system
- Support language English
- User Friendly interface
- Perfect temperature profile analysis, storage and invoking function
- Different level of password , operating records
- Real time display the running parameters
- Built-in welding defect analysis manual
- Built-in maintenance manual



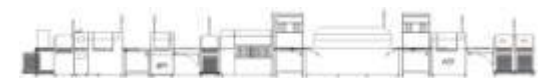
Lead Free Reflow Oven VT-X Series Options:



Guide rail + central support transmission
without mesh belt



Dual transmission



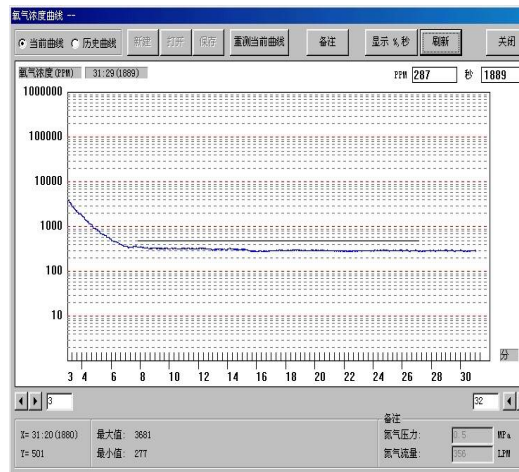
Lead Free Reflow Oven VT-X Series Options:

Nitrogen control system

Nitrogen Consumption: $\leq 35\text{m}^3/\text{hour}$
Min Oxygen concentration : $\leq 700\text{PPM}$



Oxygen system layout



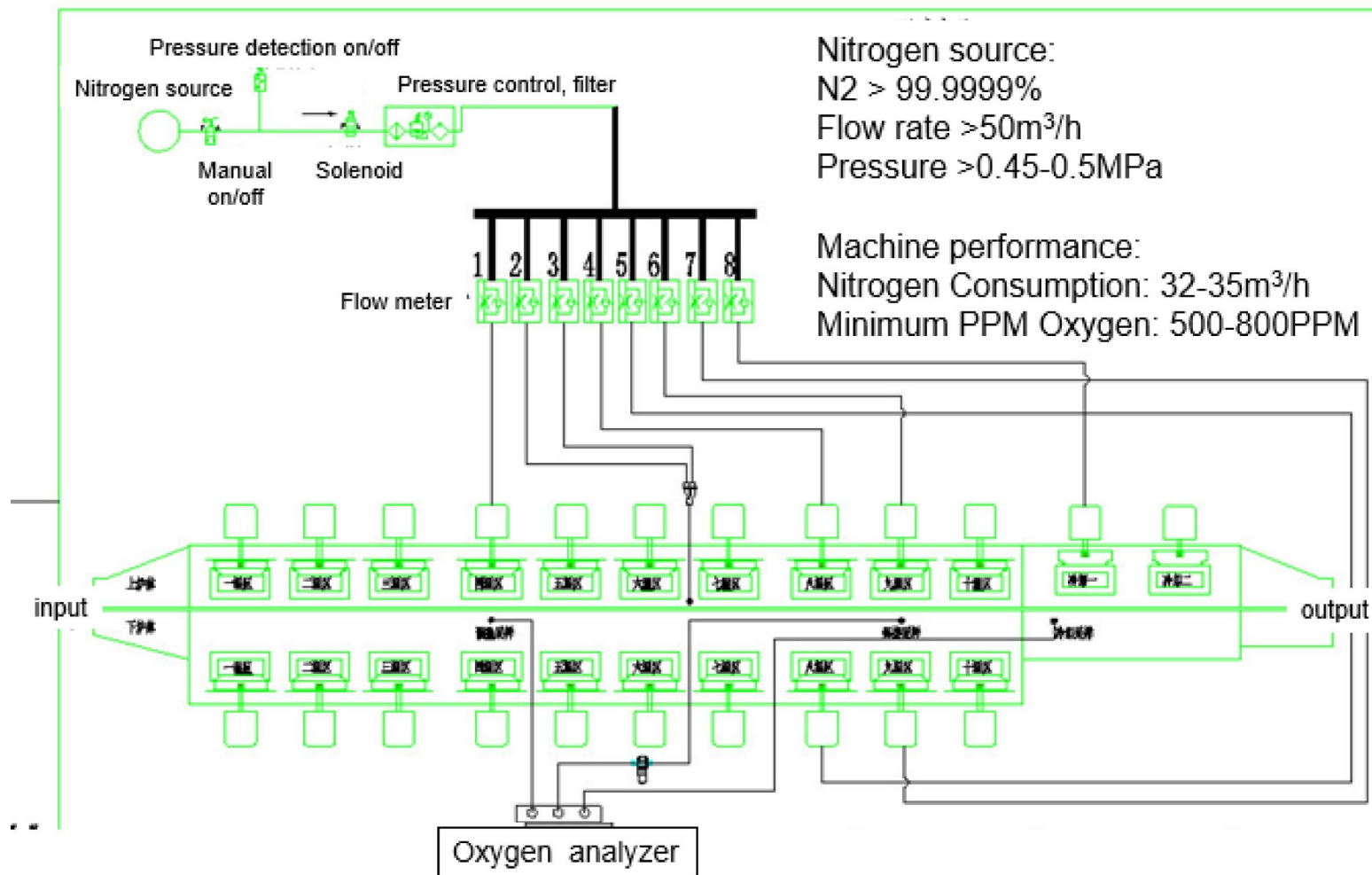
Oxygen concentration monitoring curve



oxygen analyzer



Lead Free Reflow Oven VT-X Series Options:



Lead Free Reflow Oven VT-X Series Options:



Water chiller cooling system HT-03A

It is an option for VT-X-E series hot air reflow oven

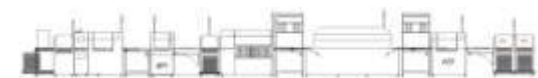
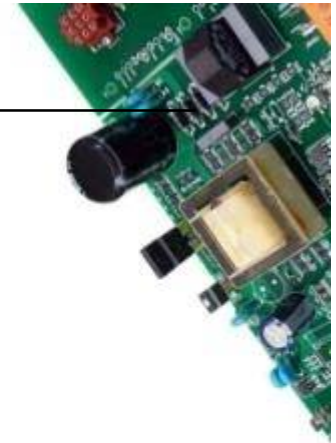
For VT-X-Nitrogen reflow oven, it is standard configuration



Lead Free Reflow Oven VT-X Series included:

Lead Free Reflow Oven VT-X Series Includes:

- ▶ Lead Free Reflow Oven
- ▶ Industrial PC control system
- ▶ Automatic lubricating design by pressure pump
- ▶ Flux Recovery system
- ▶ Cooling system
- ▶ 1 year warranty
- ▶ Free Accessories



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