

Product name  
**8 zones single rail nitrogen reflow oven**

Product model  
**VS-0802-N**



## 1 Detailed Description

Dimensions	- L5300mm*W1420mm*L1520mm
Body color	- White
Net weight	- Approx. 2950KG
Exhaust volume	- 10m <sup>3</sup> /min×2aisle
Power supply	- Three-phase five-wire/380V
Power	- Starting power 32KW, Working power 10KW
Heating time	- 约25mins About 25mins
Lateral temperature difference	- ±1.5°C
Temperature control accuracy	- ±1°C
Temperature control range	- Room temperature ~300°C
PCB maximum width	- 400mm (optional: 610mm)
Component height	- Board Upper 22mm/ Lower 25mm
Transportation direction	- L→R (optional: R→L)
Rail fixing method	- Front end fixed (optional: rear end fixed)
Rail height from the ground	- 900±15mm
Transportation speed	- 400-2000mm/min, The rail chain is at the same speed
Parameter storage	- Automatically save various operations and alarm records + manual operation to save various process parameter settings
Abnormal alarm	- Standard temperature deviation, speed deviation and wind fault, off-board alarm function, sound and light alarm of mains power failure
Lubricating oil	- Automatic and manual mode, free to switch

## 2 Device Configuration

Number of heating/cooling zones	- Upper 8 Lower 8/Two-Stage Cooling
Control System	- Siemens PLC + module + PID control, Windows 10, Chinese and English online free switch
Temperature control mode	- PID closed loop control + SSR drive
Nitrogen-filled distribution	- Each temperature zone is equipped with a nitrogen filling port, which can realize the nitrogen filling of the whole zone
Nitrogen consumption	- 300-1000ppm, 25-30M <sup>3</sup> /h
Transportation System	- Single rail + mesh belt transport
Transportation control method	- Imported inverter + imported transport motor
Chain structure	- 35B single buckle with rib and pin shaft nickel-plated manganese steel chain
Rail structure	- Overall two-stage
Rail width adjustment	- Electric width adjustment, 50mm-400mm (optional: 50mm-610mm)
Top cover start	- The top cover is electrically opened for easy cleaning in the furnace
UPS power supply	- Backup power
Heating rectifier plate structure	- Thickened aluminum sheet
Cooling method	- External chiller cooling