



JTR Series reflow oven

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Company introduction

As a leading supplier of PCB soldering equipment in the electronics industry, JT has been committed to providing advanced products and comprehensive high-quality services for the global electronics processing industry, and has won a good reputation and high market share in the industry.

Found: July, 1997

Register capital: 240,000,000 RMB

Staff: about 1260 人 (technique engineer include 40%)

Total output value: 800 Million RMB/year

Area: 60,000M²

Characteristic: professional

Target: Continuously improve the stability and reliability of equipment
meet different customer high quality requirement

Company status



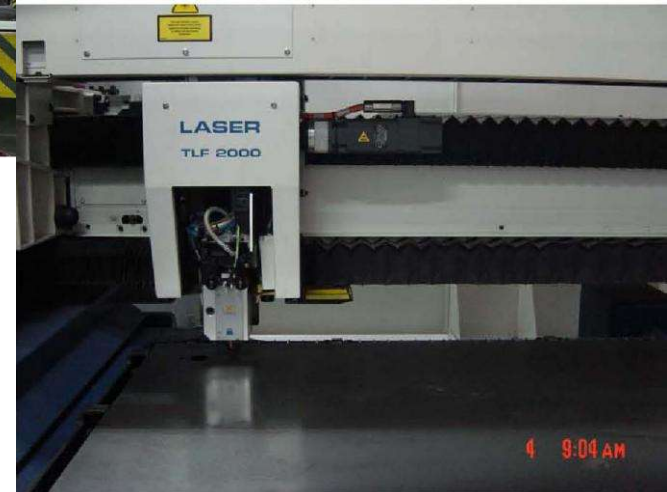
Today, JT has become a leading manufacturer in the field of PCBA soldering equipment in China, with diversified products, leading technology, strong manufacturing capabilities, and a wide range of markets.

Production and processing capacity

More than 80 precision machining equipment in use.



- Independent processing production and assembly capabilities
- AMADA CNC machines and TRUMATIC large laser cutters



R&D Capability



- Excellent R&D team
- Advanced experimental equipment



Certification



CE CERTIFICATION (2012) SGS ISO9001 (2008) CCQS





Main honors

- National High-Tech Enterprise
- Director unit of China Electronic Special Equipment Industry Association
- 50 key enterprises in strategic emerging industries in Guangdong Province
- Guangdong Province Independent Innovation Demonstration Enterprise
- Guangdong Famous Trademark, Guangdong National Famous Brand
- Executive Vice President Unit of Shenzhen Electronic Equipment Industry Association
- Shenzhen Enterprise Technology Center
- Shenzhen Intellectual Property Advantage Enterprise
- Shenzhen famous brand



Quality and patent certification

Has 78 domestic patents (including 6 invention patents),
18 software copyrights and 1 EU patent



Global Market



- JT welding equipment has been widely used all over the world.



Main customer

FOXCONN®

 **MOTOROLA**

 **SUNTECH**

 比亚迪汽车
BYD AUTO

CASIO

Pioneer

TOSHIBA

 **LG**
Life's Good

Panasonic

美的  **Midea**

SANYO

Canon


HUAWEI

ZTE中兴

SIEMENS

JABIL

FLEXTRONICS

 **SAMSUNG**

Hisense



Company vision

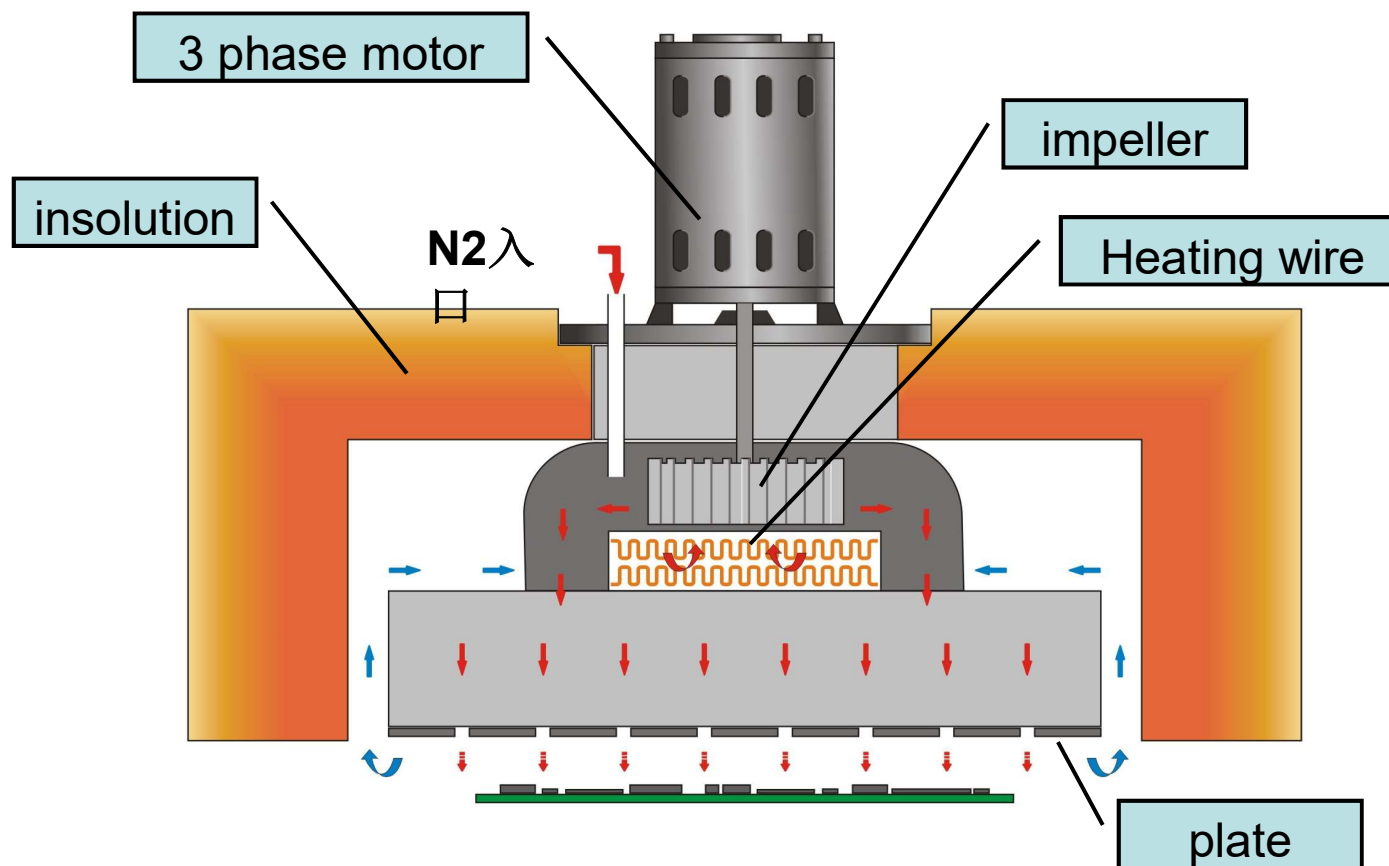


- In the future, JT will be an international, high-tech-oriented and service-oriented enterprise
- JT will maintain long-term cooperation with customers and seek common development

Specifications:

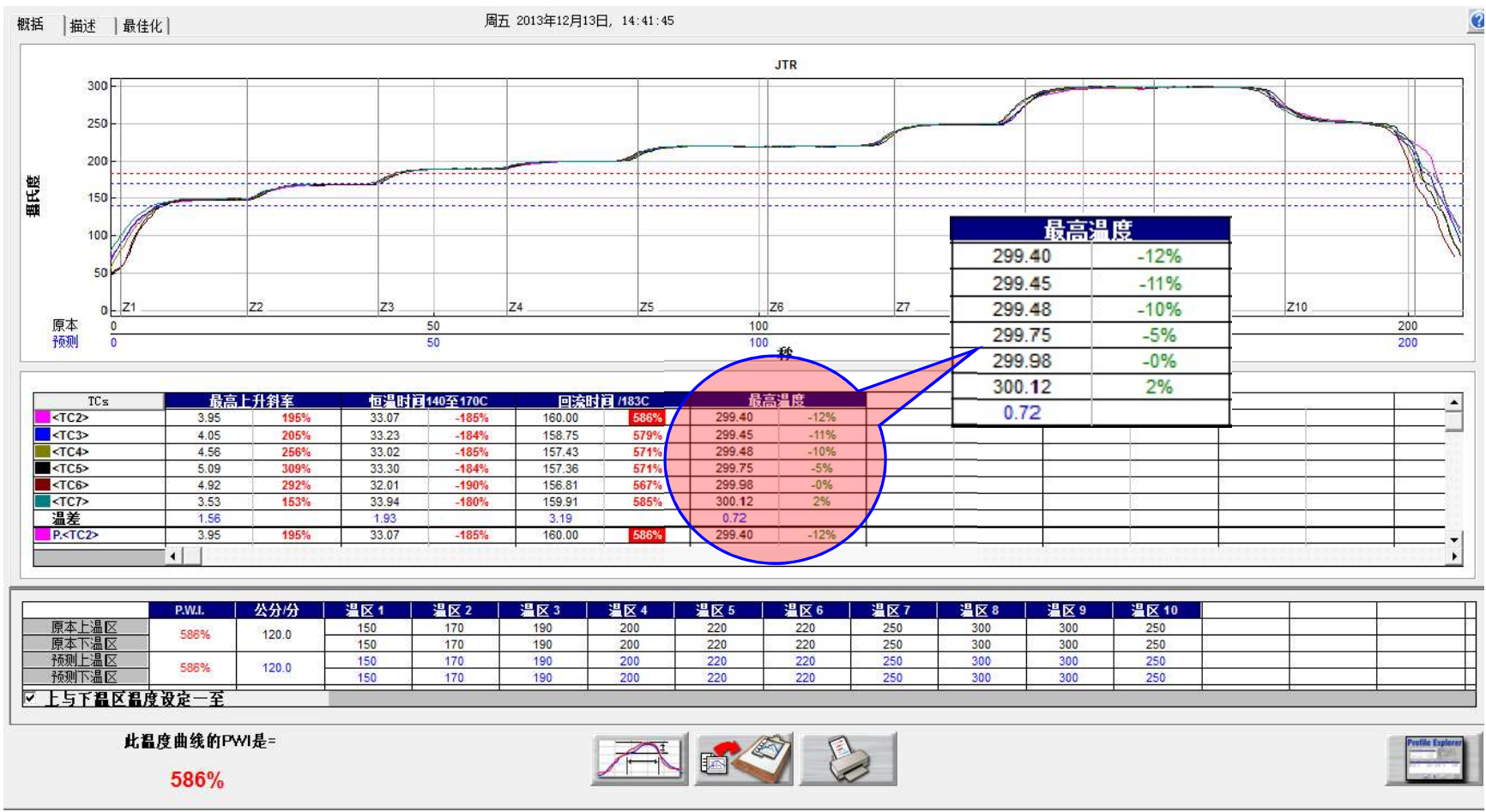
Type	Preheating zones	Cooling zones	Heating length (mm)	Cooling length (mm)	Max pcb width (mm)
JTR-800(N) JTR-800D(N) JTR-800L(N)	Up8/down 8	up3/down3	3110	960mm	50~400 (Option: 460)
					50~270*2 (single 50~490)
					50~610
JTR-1000(N) JTR-1000D(N) JTR-1000L(N)	Up 10/down 10	up3/down 3	3890	960mm	50~400 (Option: 460)
					50~270*2 (single 50~490)
					50~610
JTR-1200(N) JTR-1200D(N) JTR-1200L(N)	up12/down 12	up3/down3	4670	960mm	50~400 (Option: 460)
					50~270*2 (single 50~490)
					50~610

Top thermal performance - schematic diagram of air duct structure



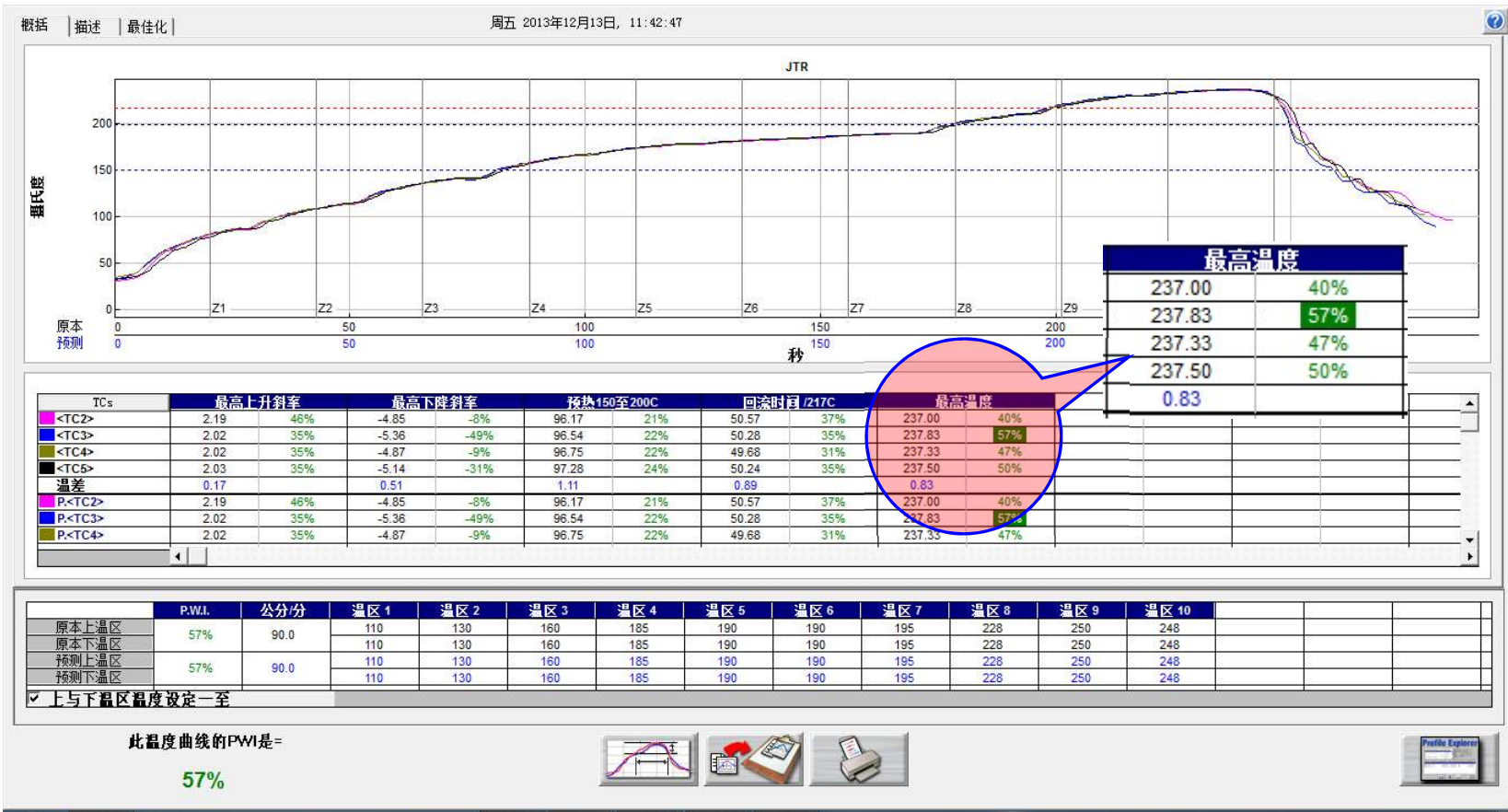


Top thermal performance - excellent air temperature uniformity $\Delta T=0.8^{\circ}\text{C}$



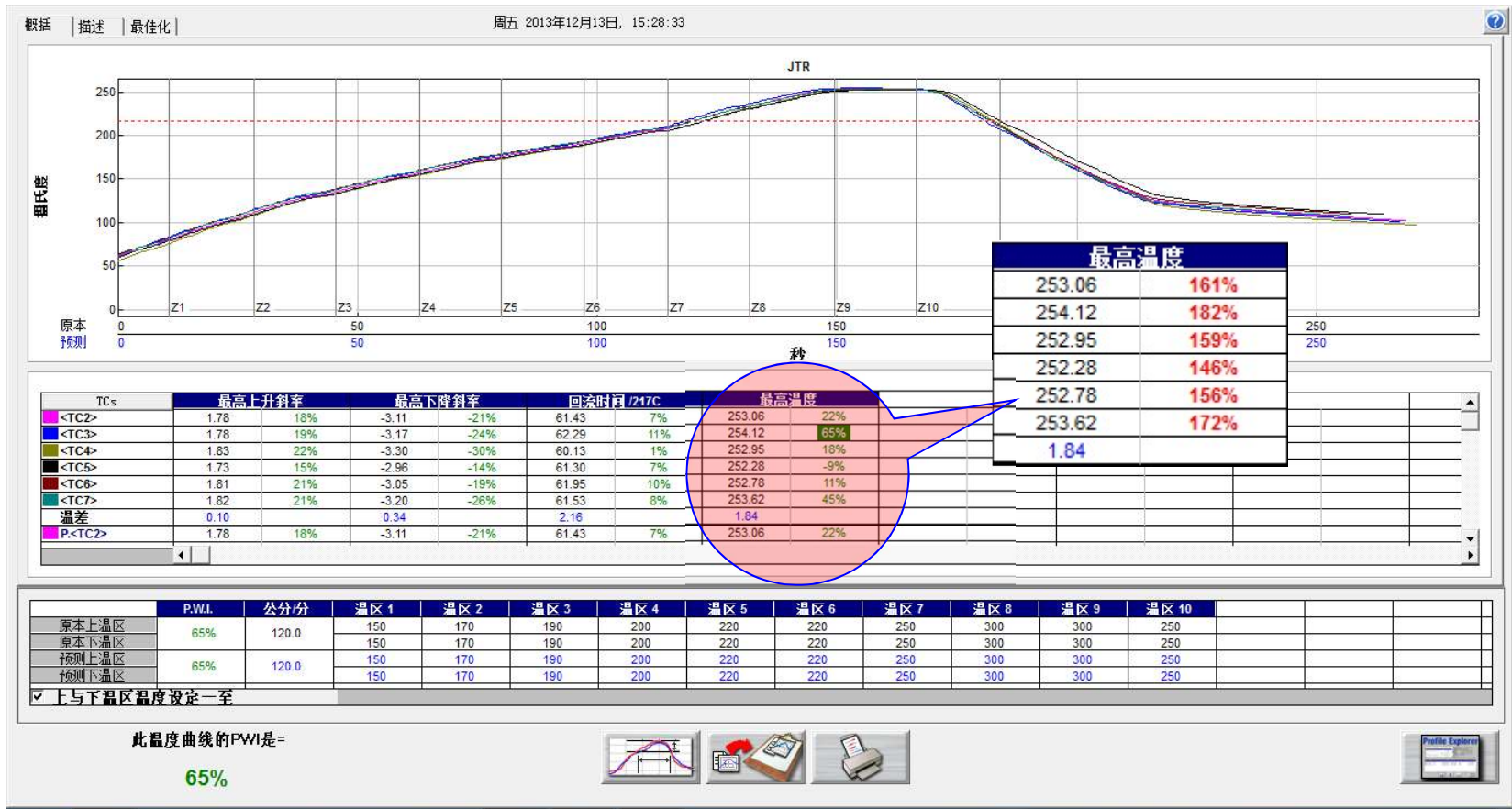


Top thermal performance - excellent PCB uniformity $\Delta T < 1^\circ\text{C}$





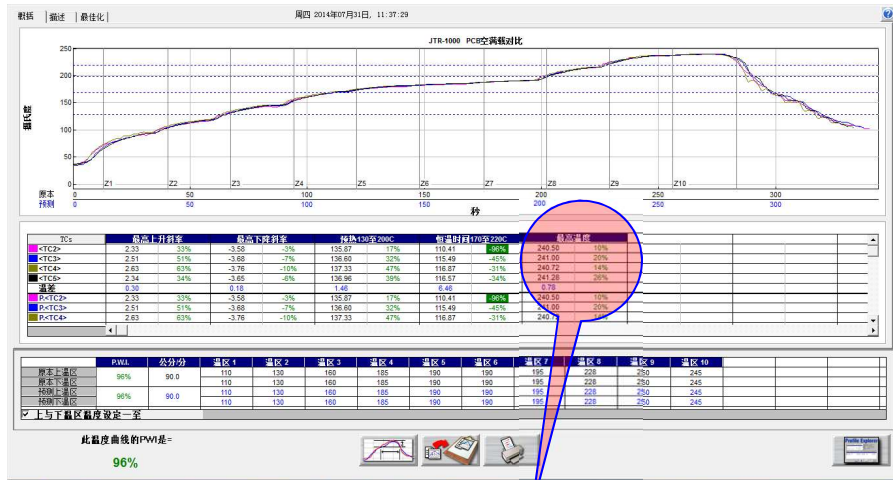
Top thermal performance - excellent iron plate uniformity $\Delta T < 2.5^\circ\text{C}$





Top thermal performance - excellent full load temperature fluctuation <0.5°C

No-load PCB board temperature curve



最高温度	
240.50	10%
241.00	20%
240.72	14%
241.28	26%
0.78	

No-load average temperature $\Delta T=240.875$

Fully loaded PCB board temperature curve

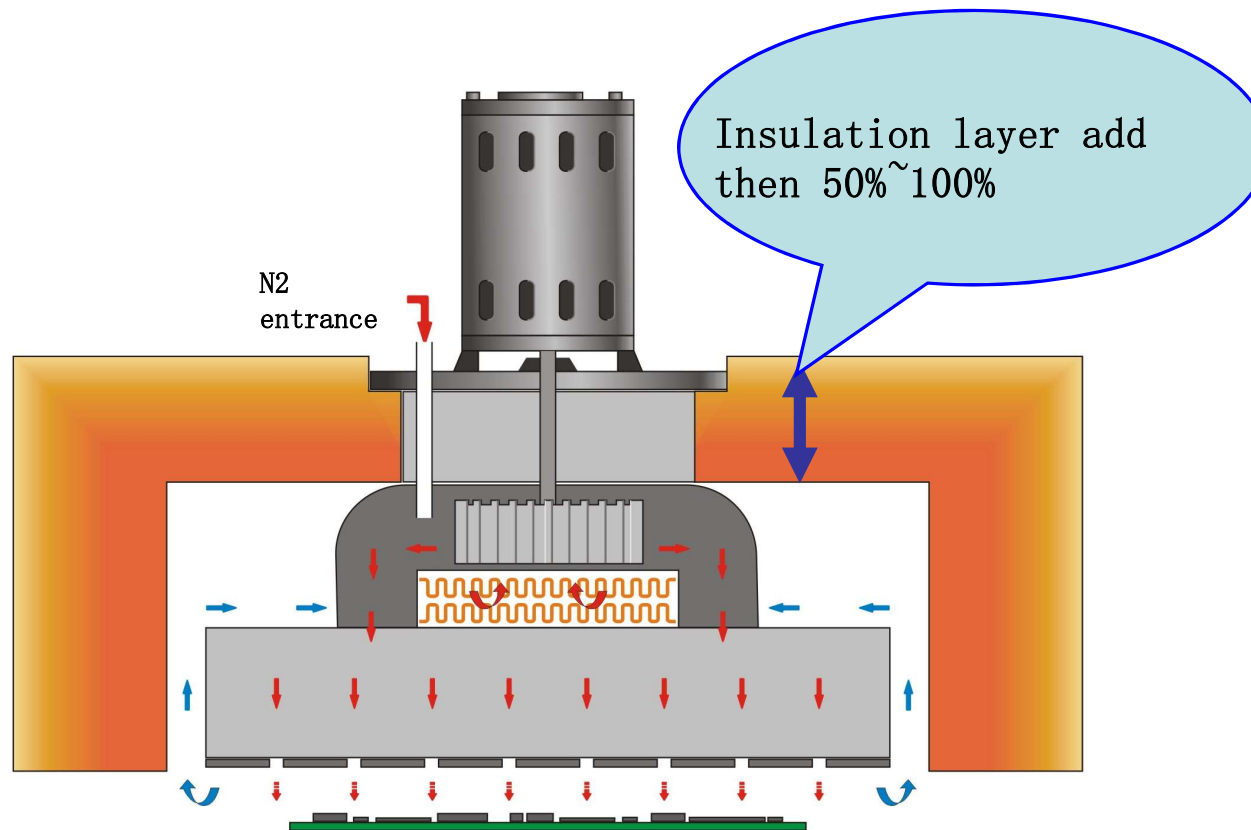


最高温度	
240.28	6%
240.72	14%
240.78	16%
240.84	17%
0.56	

full load average temperature $\Delta T=240.655$

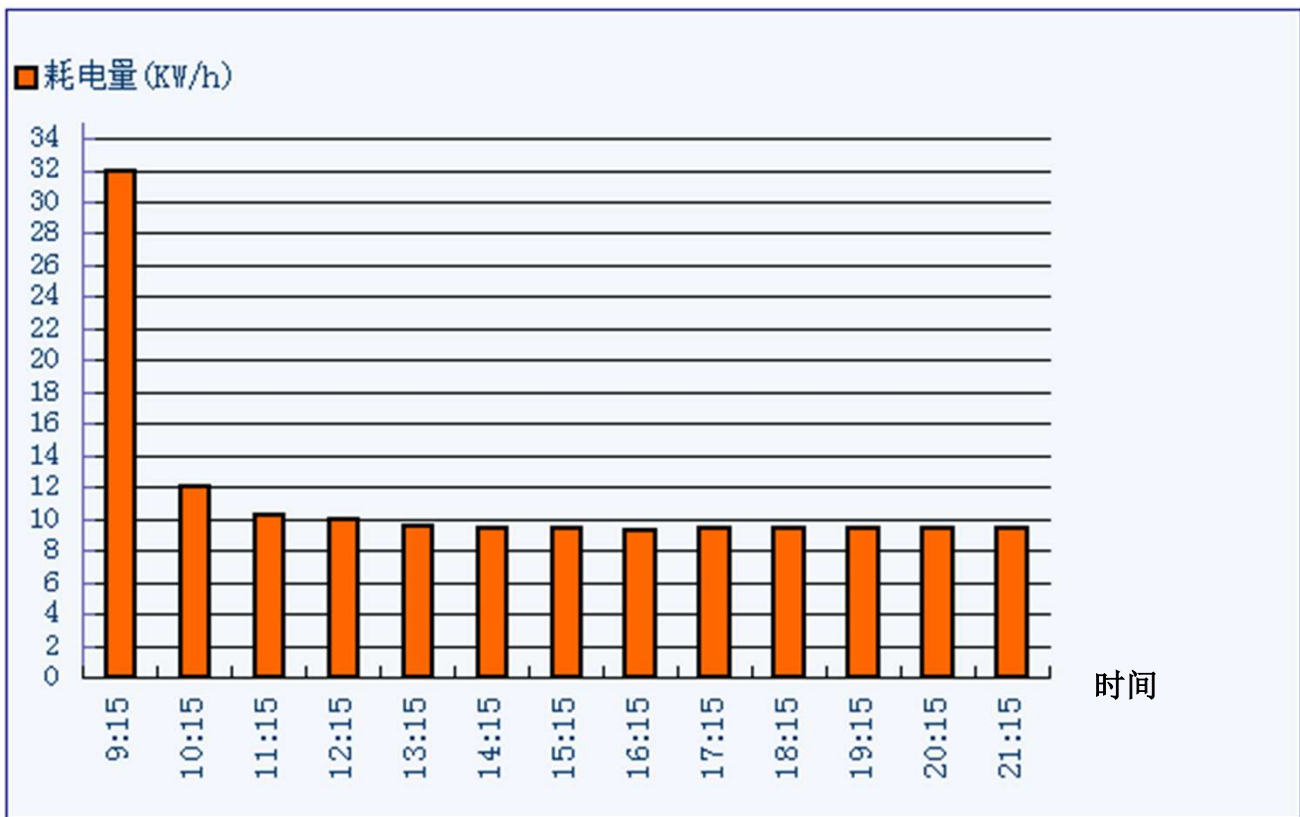


Low energy consumption - the thermal insulation layer is thickened by more than 50%

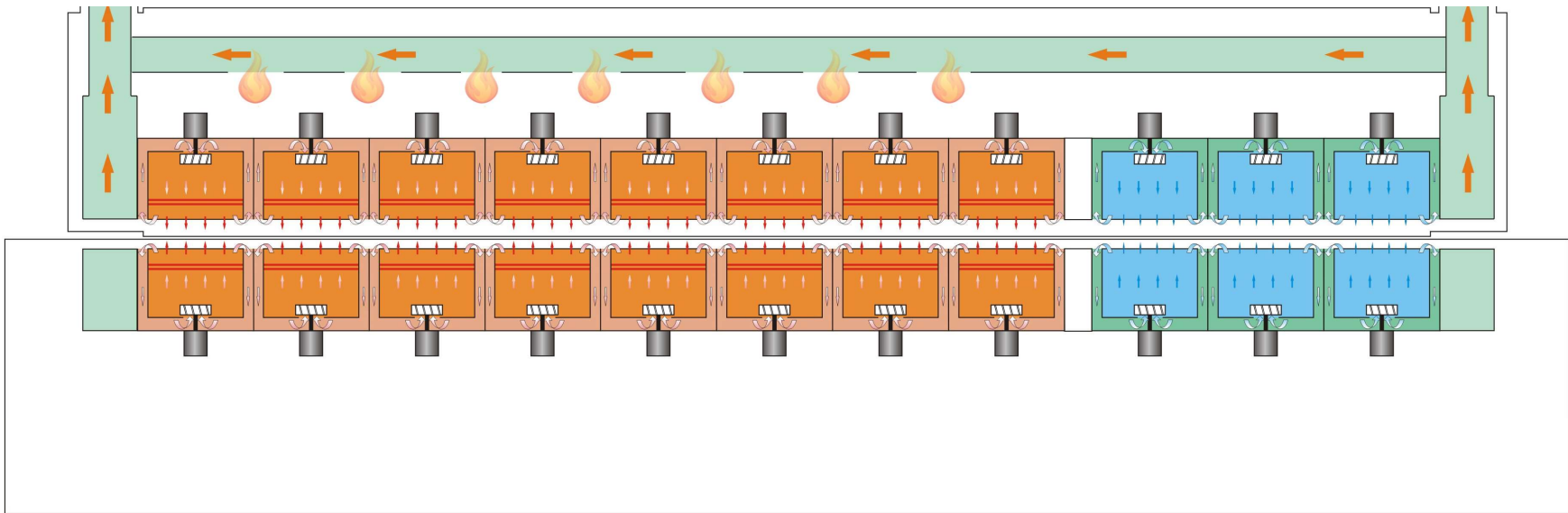




Lower energy consumption

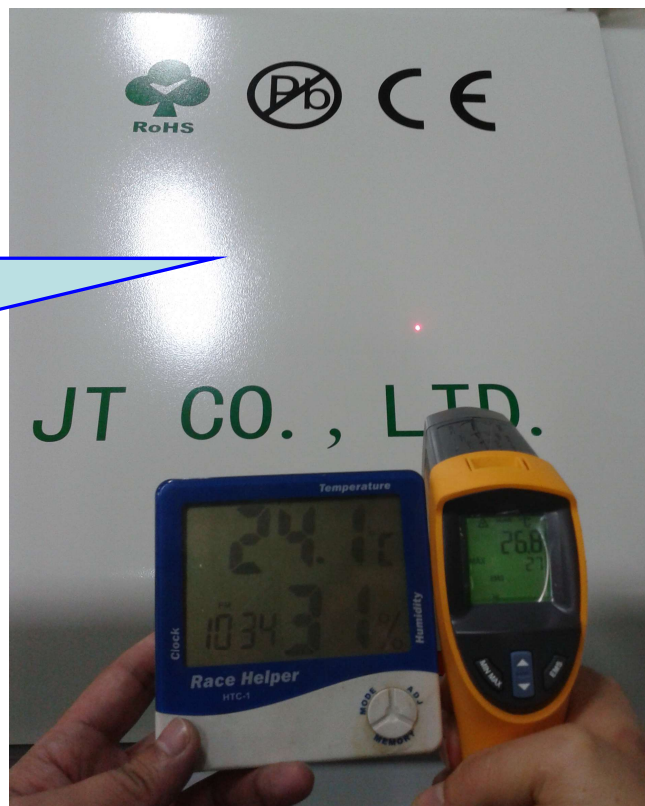


Low energy consumption - the hot gas between the furnaces is discharged from the dedicated channel

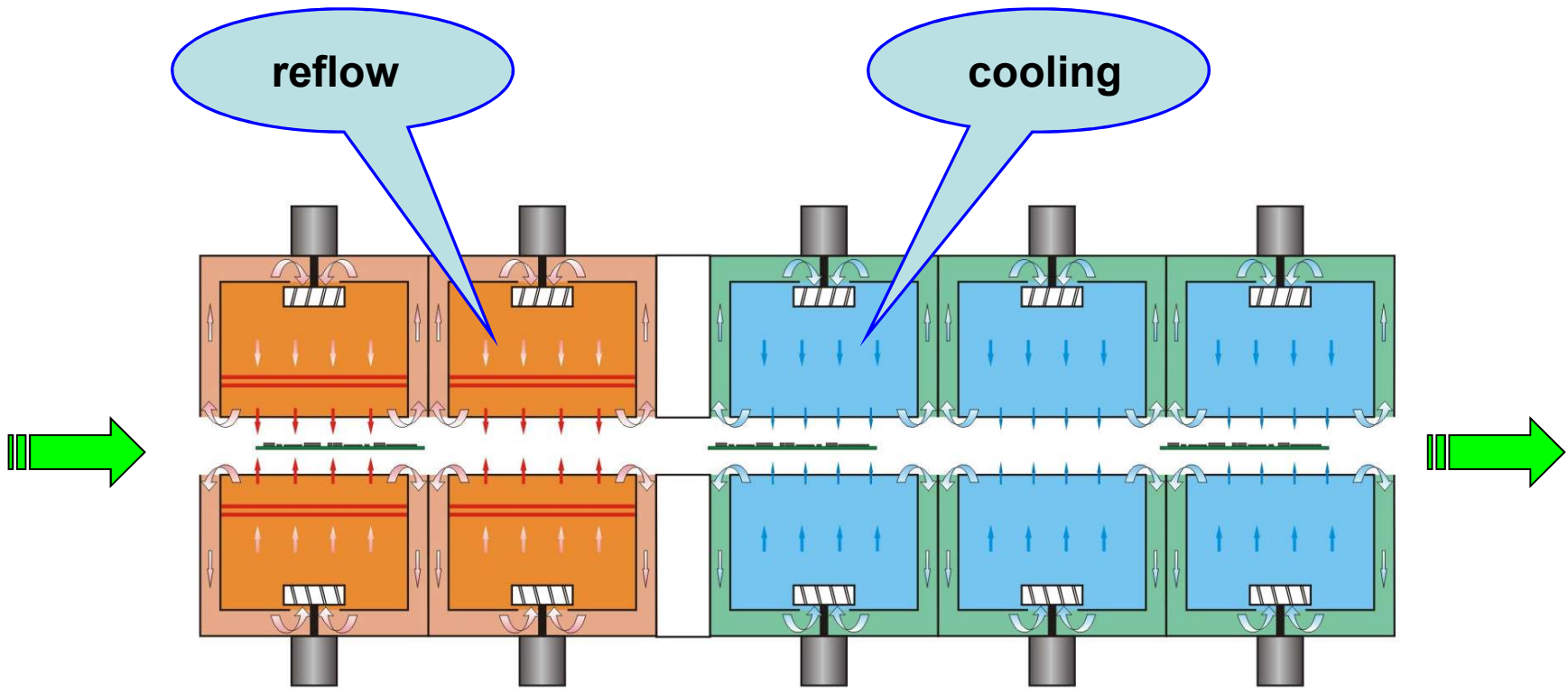


Low energy consumption - the temperature of the oven shell is 5°C different from the room temperature

new furnace shell insulation technology: ensure a low furnace shell surface temperature of room temperature +5 ° C

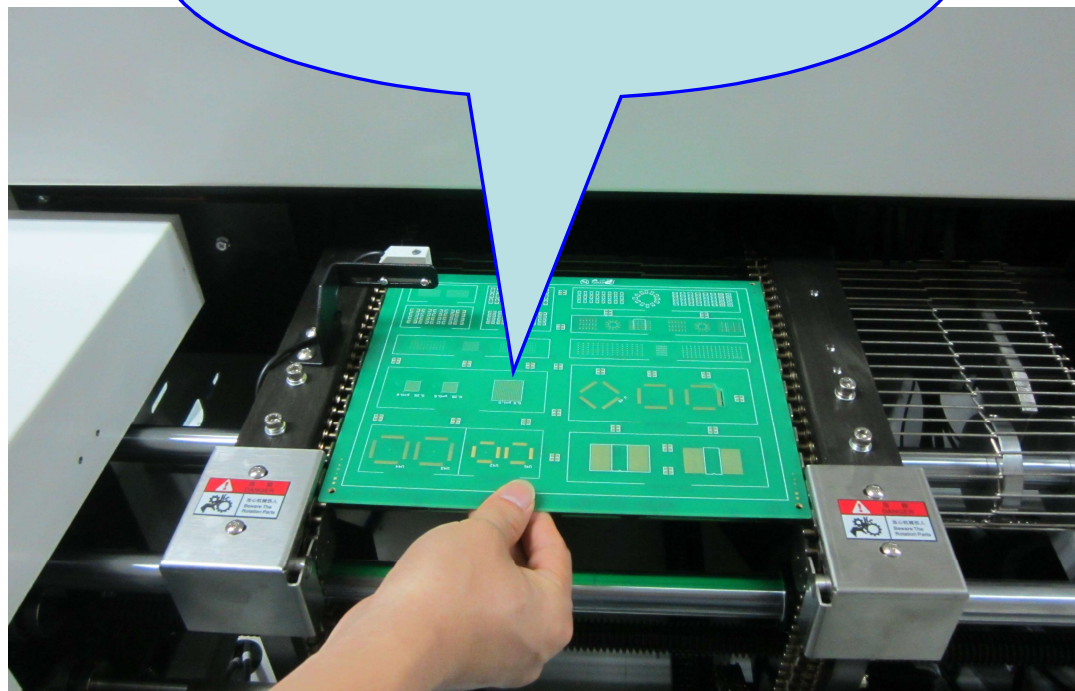


Excellent cooling capacity - independent upper and lower cooling zones



Excellent cooling capacity

- 1: Cooling slope increased 25%
- 2: PCB out-board temperature is reduced by 30%

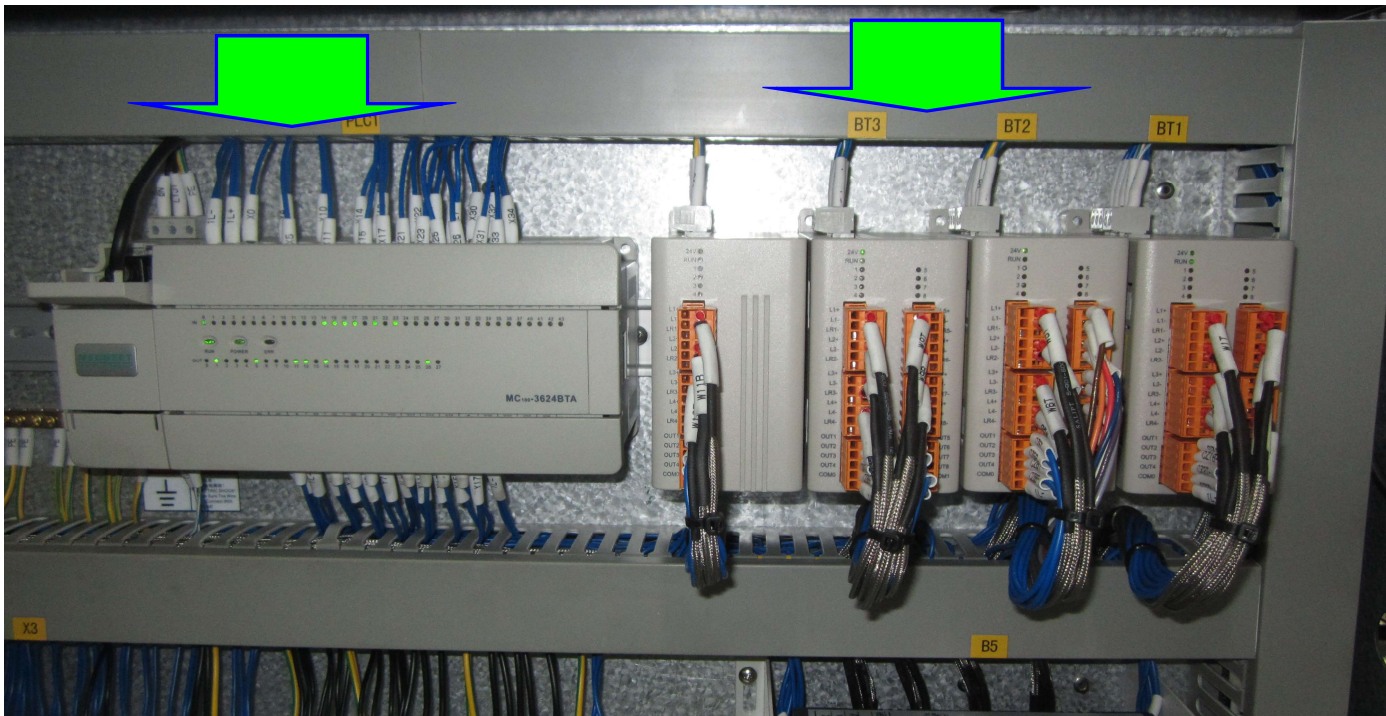


Excellent cooling capability

- ❖ **No effect the room temperature;**
- ❖ **Workers will not be scalded ;**
- ❖ **Don't effect AOI testing accuracy;**
- ❖ **Effectively improve the service life of AOI and other equipment ;**

Efficient production capacity

Independent PLC and temperature control



Efficient production capacity

PLC and temperature control module - from the US Emerson technology transfer

EMERSON NETWORK POWER CO., LTD.
艾默生网络能源有限公司

AND
与

SHENZHEN MEGMEET ELECTRICAL CO., LTD.
深圳麦格米特电气股份有限公司

BETWEEN
之间的

PLC ASSETS PURCHASE AGREEMENT
PLC 资产转让协议

[26th Sep], 2012
2012年9月26日

THIS AGREEMENT is entered into by the following parties:
本协议由以下各方签订:

- Emerson Network Power Co., Ltd., a limited liability company established and existing under the laws of the People's Republic of China ("PRC") with its legal address at 3F(whole floor)-1F(east A), Sangda Science and Technology Building, No. 1, Keji Road, No.1, Kefu Road, Science Park, Nanshan District, Shenzhen, PRC (hereinafter referred to as "Seller").
艾默生网络能源有限公司, 一家依中华人民共和国 ("中国") 法律组建和存续的有限责任公司, 法定地址为中国深圳市南山区科技园科发路 1 号, 科技路 1 号桑达科技大厦 3F 整层, 1F 东 A (下称"卖方")。
- Shenzhen Megmeet Electrical Co., Ltd., a limited liability company established and existing under the laws of the PRC with legal address at A, B, CS01-CS03, D, E on Fifth floor, Qinghua Ziguang Science Park, No. 13, Lang Shan Road, North Part of High-Tech Zone, Nanshan District, Shenzhen, PRC (hereinafter referred to as "Buyer")
深圳麦格米特电气股份有限公司, 一家根据中国法律组建和存续的有限责任公司, 法定地址为中国深圳市南山区高新区北区朗山路 13 号清华紫光科技园 5 层 A,B;CS01-CS03;D,E (下称"买方")。

In this Agreement, Seller or Buyer may be referred to individually as a "Party", and Seller and Buyer may be referred to collectively as the "Parties".
在本协议中, 卖方或买方单独称为"一方", 卖方和买方一起合称为"各方"。

Preliminary Statement 前言

- Seller desires to sell its assets related to PLC business listed in Appendix 1 to 3 hereto including Manufacturer Equipment, Inventory, Mould and all the circuit diagram, software and other documentation possessed by Seller to test and maintain the PLC products (collectively referred to as "PLC Assets") to Buyer, and Buyer wishes to purchase the PLC Assets from Seller, Buyer shall not breach Seller's Intellectual Property rights in PLC assets. After transferring of such PLC Assets to Buyer, Seller will continue to provide all necessary technical support to Buyer for Buyer to carry out maintenance of Manufacturing Equipment. 卖方欲将附件一至附件三中所列明的关于 PLC 业务的资产, 包括生产装备、存货、模具 (见附件 1、2、3) 以及卖方拥有的用于 PLC 产品测试工装和维修维护所需的电路图、软件和其它文件 (合称"PLC 资产") 转让给买方, 买方欲从卖方处购买以上 PLC 资产, 其中生产装备的维护由买方负责, 卖方给予技术支持。

NOW, THEREFORE, the Parties and hereby agree as follows:
各方特此约定如下:

The duly authorized representative of each Party has signed this Agreement on [Sep 26], 2012.
各方正式代表于 2012 年 [9] 月 [26] 日签署本协议。

Emerson Network Power Co., Ltd.
艾默生网络能源有限公司

(公章)

By 签署:
Name: Stephen Hen I Liang
姓名: Stephen Hen I Liang
Title: Legal Representative
职务: 法定代表人

Shenzhen Megmeet Electrical Co., Ltd.
深圳麦格米特电气股份有限公司

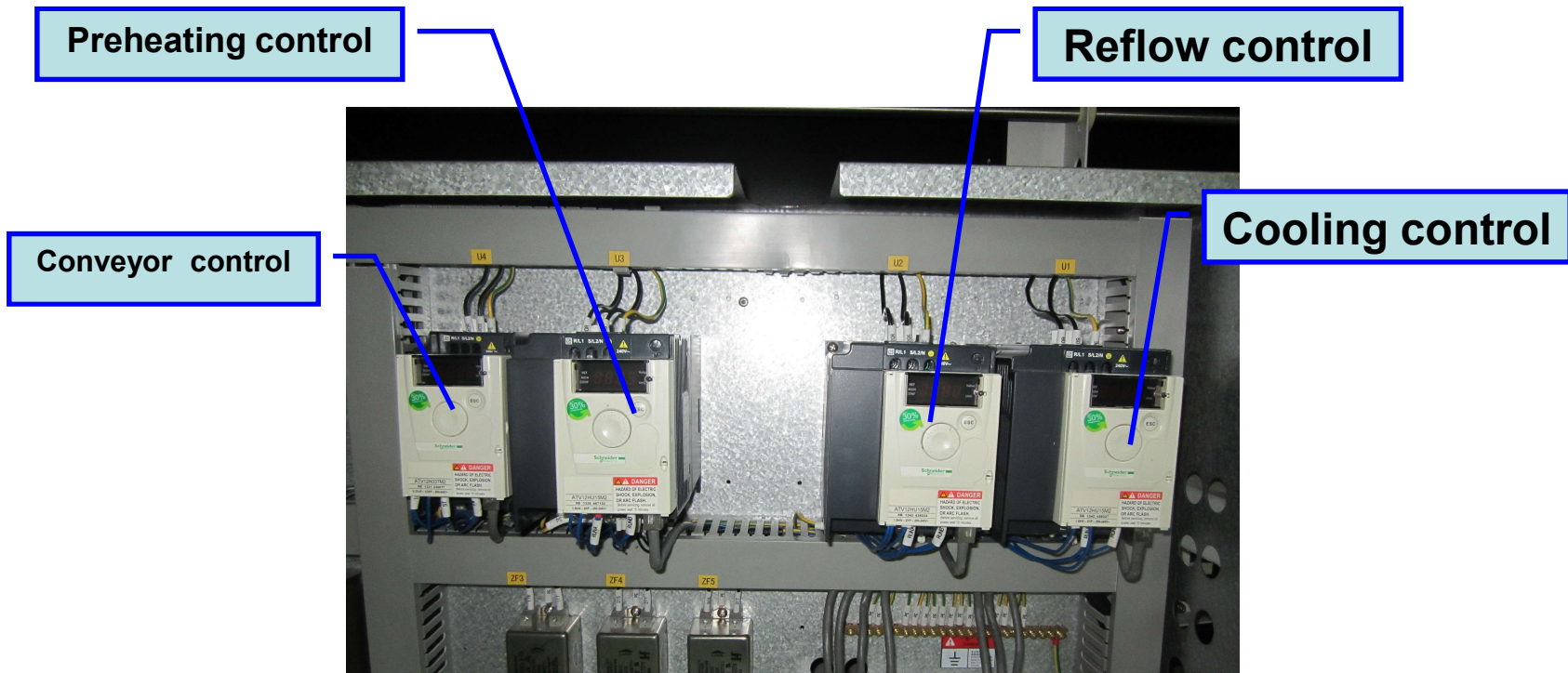
(公章)

By 签署:
Name: Tong Jiongsheng
姓名: 董永胜
Title: Legal Representative
职务: 法定代表人

Original transfer agreement

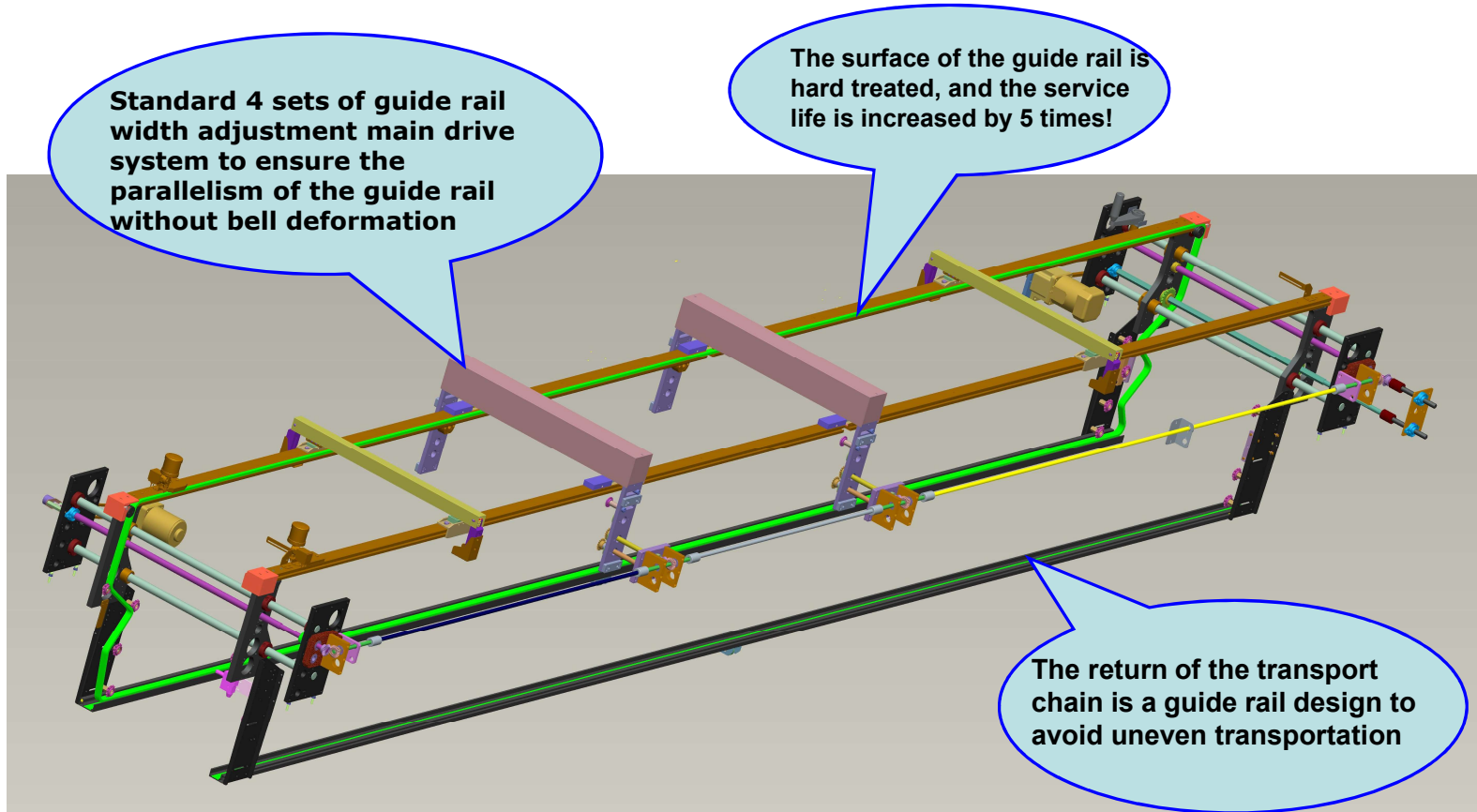
Efficient production capacity

Independently adjustable wind speed (preheating+reflow+cooling)



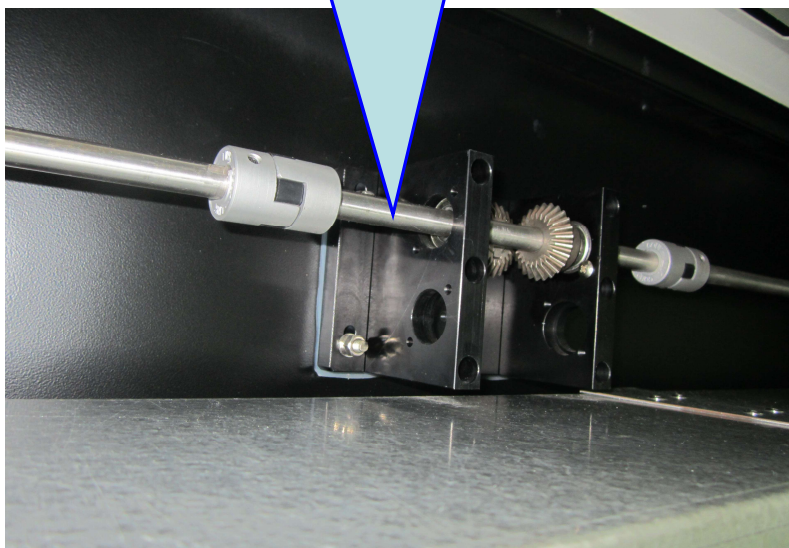


Efficient production capacity

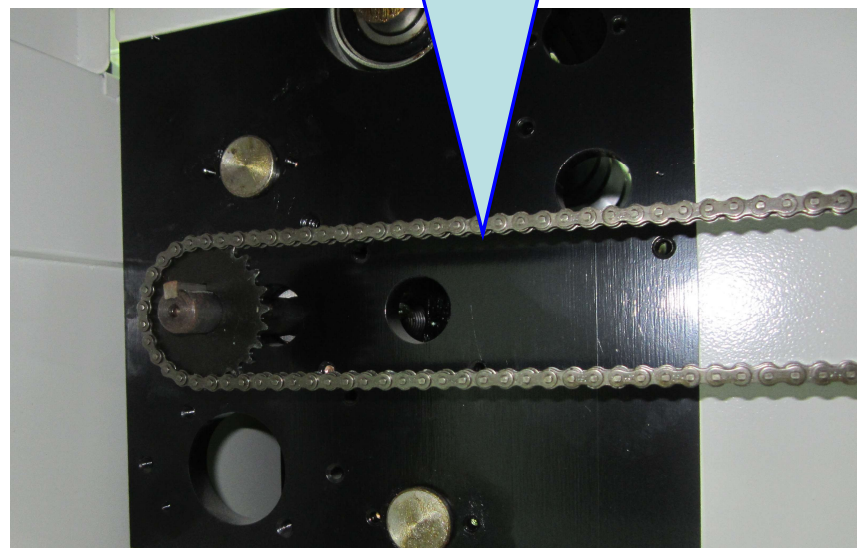


Efficient production capacity

JTR: Synchronous width adjustment drive shaft design ensures the consistency of guide rail transmission and avoids guide deformation

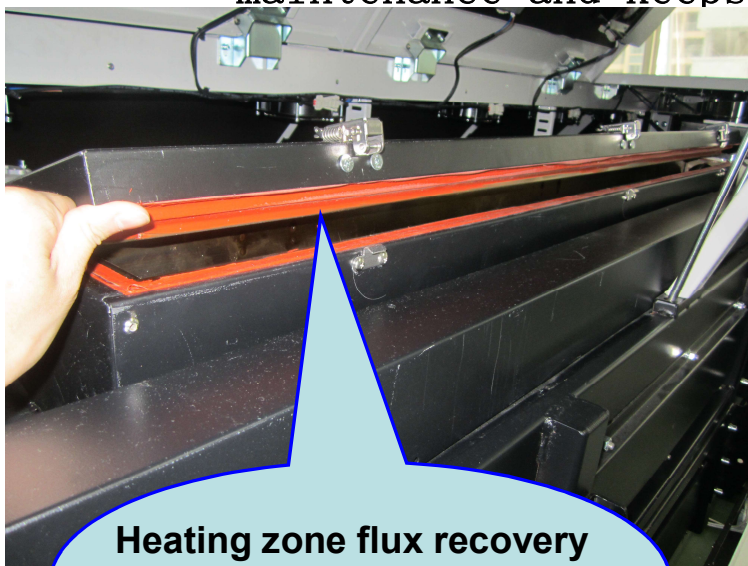


other companies: the chain is used as a synchronous width adjustment drive, and the elastic edge and length of the chain cause the rail bell mouth to fall off the plate

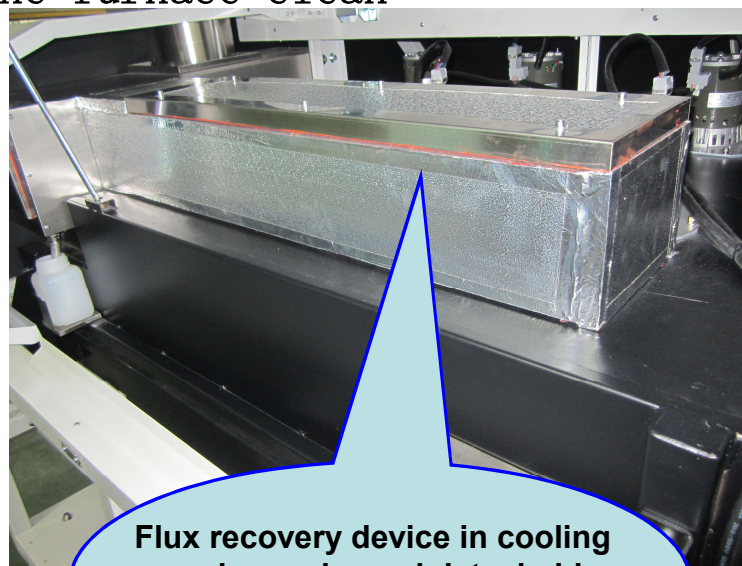


Efficient production capacity

Flux recovery is open design for easy maintenance and keeps the furnace clean



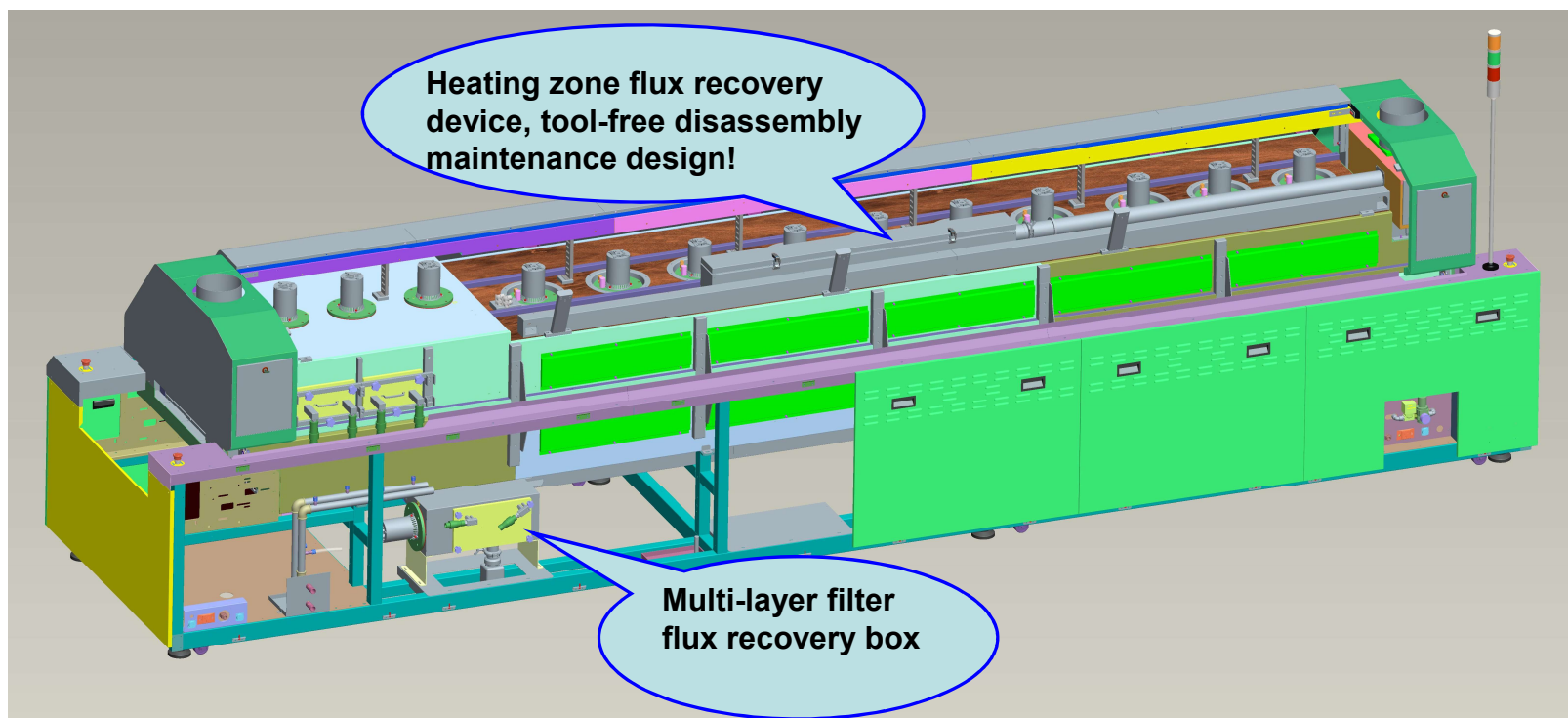
Heating zone flux recovery device, tool-free disassembly maintenance design



Flux recovery device in cooling area, large channel detachable maintenance design

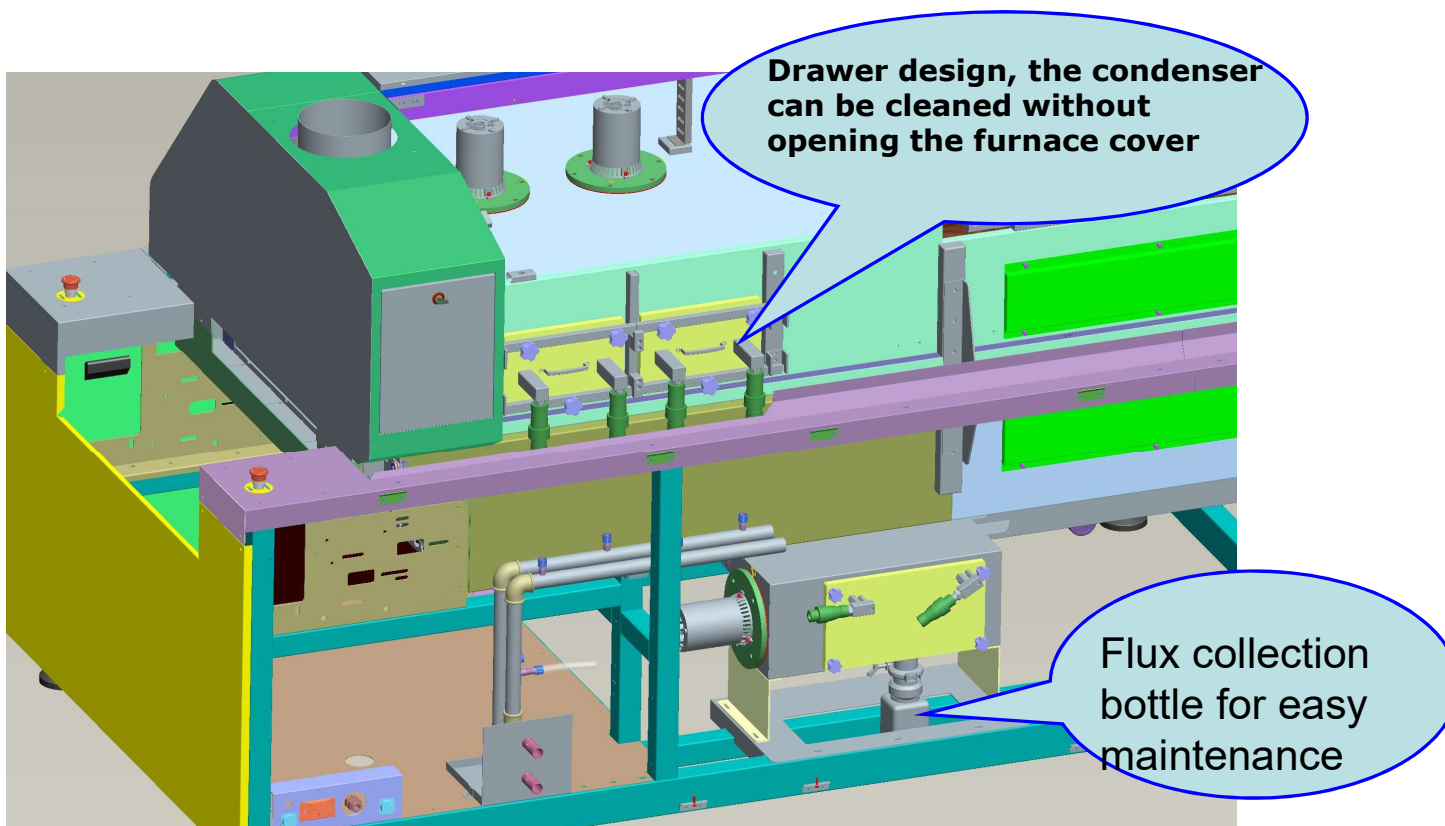
Air oven: Flux recycle system

Efficient production capacity



Nitrogen oven: Flux recycle system

Efficient production capacity

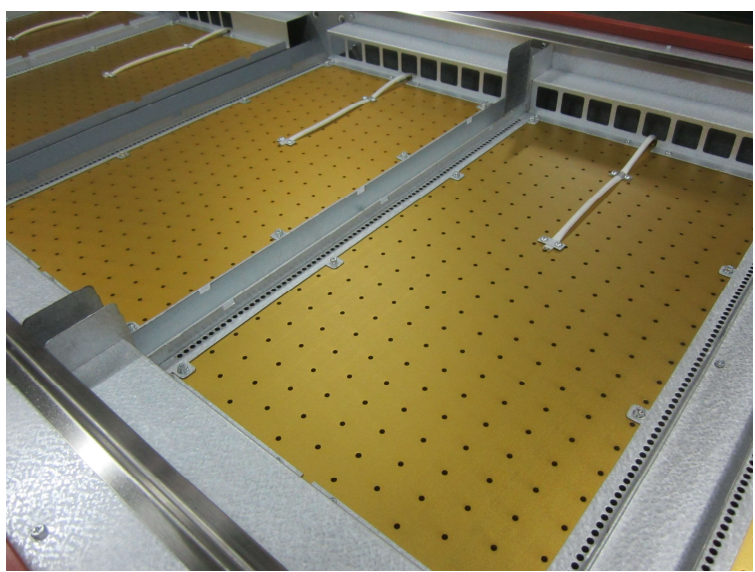


Nitrogen oven: flux recycle system



Efficient production capacity

8mm thick heat storage aluminum plate to ensure stable temperature in mass production



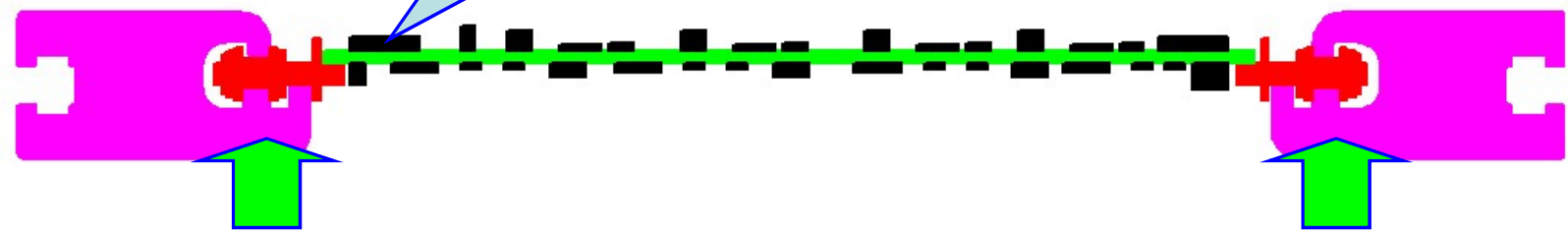
High efficient capacity



**Modular heater, no need to open the furnace,
quick inspection and maintenance**

Efficient production capacity

Double-row stainless steel transport chain, the welding temperature of PCB edge parts is not affected by the heat absorption of the guide rail, ensuring perfect welding quality





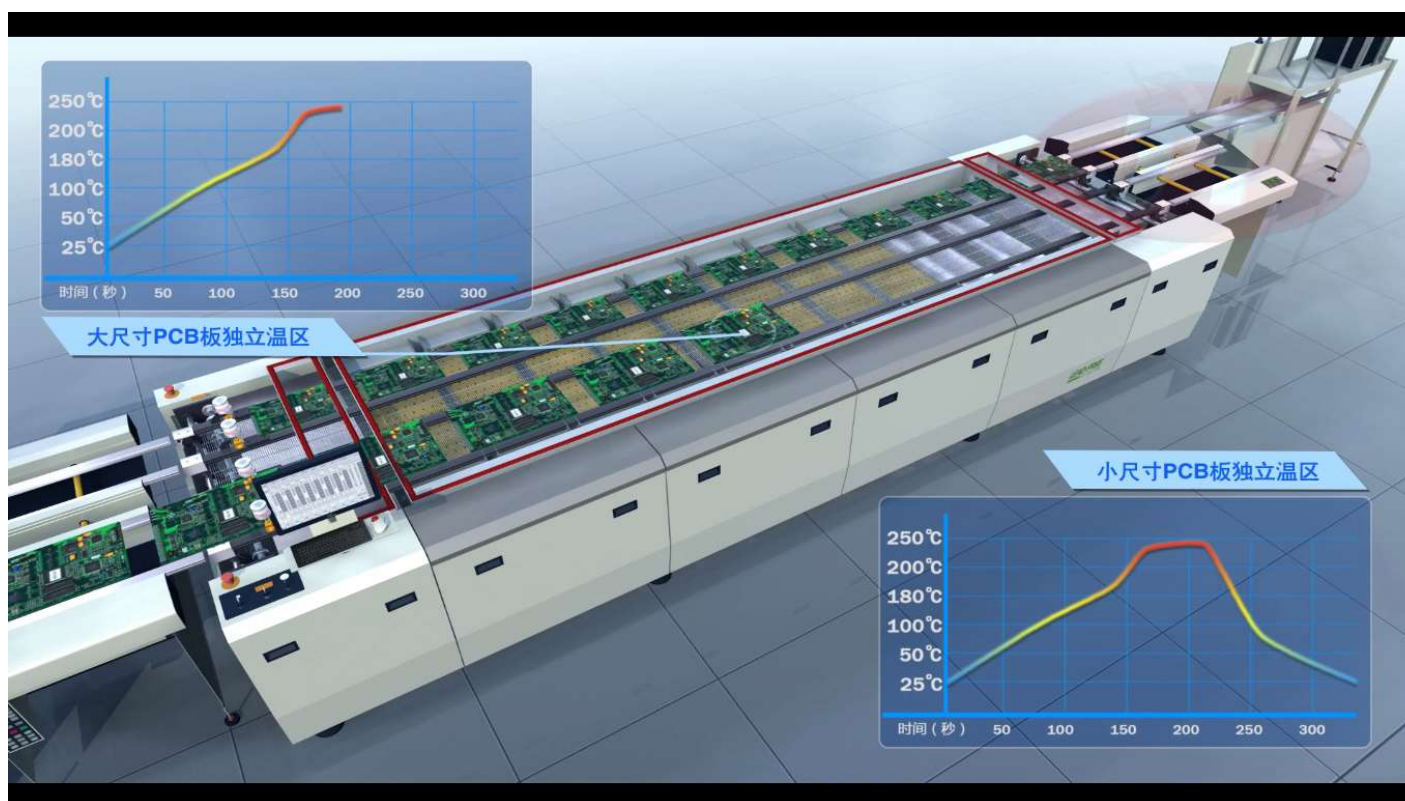
Efficient production capacity

The heating time of reflow soldering is shortened by 30



Efficient production capacity

Optional function: double track and double speed, the production capacity is doubled





Efficient production capacity

option: Automatic switch machine

AutoCloseMachineForm

定时器功能

启用 禁用 PLC时间校正

开机设置

<input type="checkbox"/> 星期一	<input type="text"/>	hour	<input type="text"/>	min
<input type="checkbox"/> 星期二	<input type="text"/>	hour	<input type="text"/>	min
<input type="checkbox"/> 星期三	<input type="text"/>	hour	<input type="text"/>	min
<input type="checkbox"/> 星期四	<input type="text"/>	hour	<input type="text"/>	min
<input type="checkbox"/> 星期五	<input type="text"/>	hour	<input type="text"/>	min
<input type="checkbox"/> 星期六	<input type="text"/>	hour	<input type="text"/>	min
<input type="checkbox"/> 星期天	<input type="text"/>	hour	<input type="text"/>	min

关机设置

<input type="checkbox"/> 星期一	<input type="text"/>	hour	<input type="text"/>	min
<input type="checkbox"/> 星期二	<input type="text"/>	hour	<input type="text"/>	min
<input type="checkbox"/> 星期三	<input type="text"/>	hour	<input type="text"/>	min
<input type="checkbox"/> 星期四	<input type="text"/>	hour	<input type="text"/>	min
<input type="checkbox"/> 星期五	<input type="text"/>	hour	<input type="text"/>	min
<input type="checkbox"/> 星期六	<input type="text"/>	hour	<input type="text"/>	min
<input type="checkbox"/> 星期天	<input type="text"/>	hour	<input type="text"/>	min

In the manual boot mode, Auto shutdown is failure

保存 退出



Efficient production capacity

option: Automatically adjust the width

JT 自动调宽

请确认机器内所有PCB板运输完毕后才能调节导轨宽度

轨道调节

导轨1宽度 cm

导轨2宽度 cm

导轨校正

导轨1宽度 cm

导轨2宽度 cm

THANKS!

www.jt-ele.com