

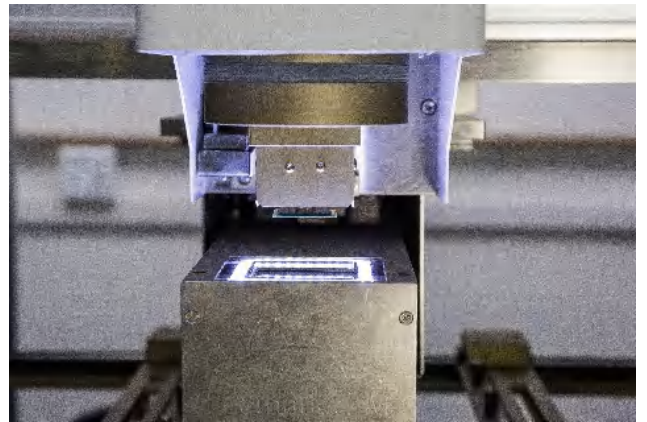
R8650C

Intelligent BGA Rework Station

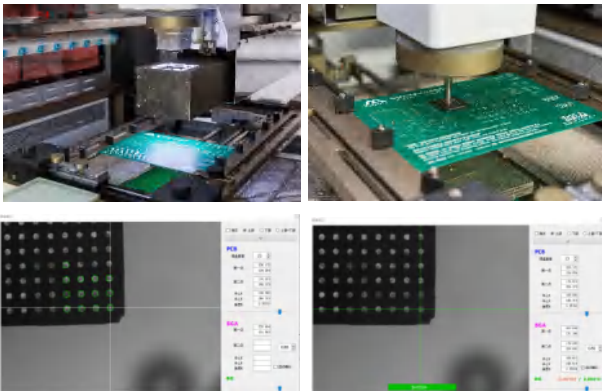
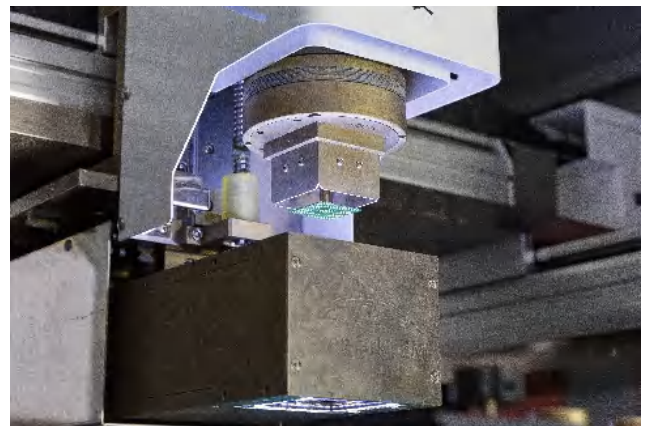
R8650C is a BGA rework station with automatic visual alignment. It is suitable for automatic rework of various SMD devices on large PCB boards (such as 5G communication boards). It can realize automatic visual placement, automatic soldering, full automatic rework Automatic desoldering function. It can be connected with MES software (optional) to realize the functions of temperature curve analysis with S/N as the traceability condition.



Precise Visual Alignment



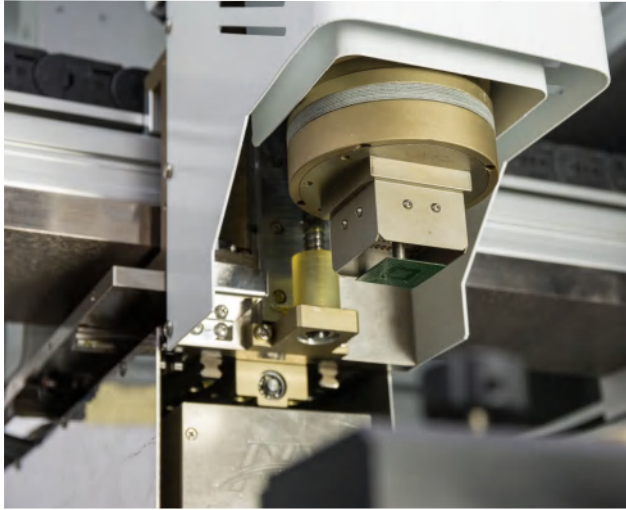
A set of high-definition industrial cameras used in combination, with repeatable placement accuracy of $\pm 0.025\text{mm}$. The 2-megapixel high-definition industrial camera system is designed for precise measurement and positioning of chips. The self-developed vision software system automatically corrects alignment and angles, with high-definition image display.



ESD Ionizer

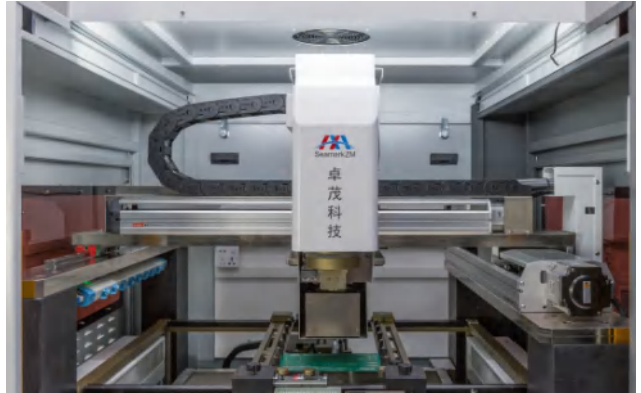
Equipped with ionizer, which effectively eliminates static electricity on the board and protects the product.





Precise Motion Platform

It adopts industrial PC and servo motion control system to accurately control the X / Y / Z four-axis gantry structure to operate fully automatically and independently. It adopts a grinding marble platform, the visual accuracy can reach $\pm 0.01\text{mm}$.

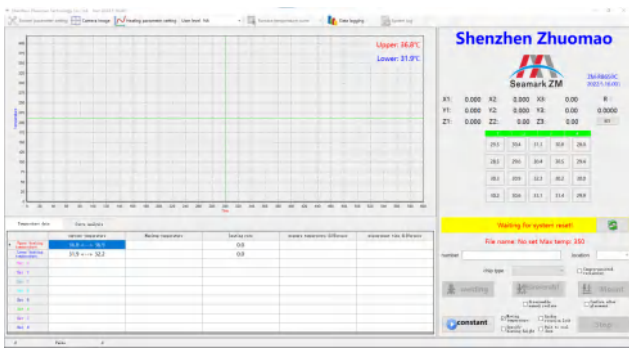


Multifunctional Control Feature

The self-developed software system realizes fast positioning and stable temperature curve (with curve analysis function), easy operation and setting, and can automatically generate record files to achieve traceability of historical parameters.



The operation interface is simple and fast, and a professional operation interface (system parameter setting, working mode setting, heating parameter setting, data recording, etc.) is set for different product characteristics, and there are Chinese and English interfaces to choose from.

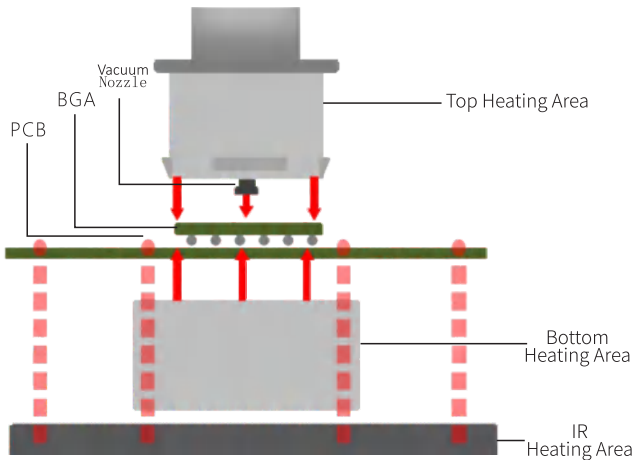


物料名称	位置	温度	时间	速度	功率
物料名称1	位置1	温度1	时间1	速度1	功率1
物料名称2	位置2	温度2	时间2	速度2	功率2
物料名称3	位置3	温度3	时间3	速度3	功率3
物料名称4	位置4	温度4	时间4	速度4	功率4
物料名称5	位置5	温度5	时间5	速度5	功率5
物料名称6	位置6	温度6	时间6	速度6	功率6
物料名称7	位置7	温度7	时间7	速度7	功率7
物料名称8	位置8	温度8	时间8	速度8	功率8
物料名称9	位置9	温度9	时间9	速度9	功率9
物料名称10	位置10	温度10	时间10	速度10	功率10

序号	上部温度 (°C)	上部加热时间 (S)	上部升温速率 (°C/S)	下部温度 (°C)	下部加热时间 (S)	下部升温速率 (°C/S)
1	160	30	3.0	160	30	3.0
2	210	30	3.0	210	30	3.0
3	245	30	3.0	245	30	3.0
4	285	30	3.0	285	30	3.0
5	310	30	3.0	310	30	3.0
6	335	30	3.0	335	30	3.0
7	350	30	3.0	350	30	3.0
8	-	-	-	-	-	-
9	-	-	-	-	-	-
10	-	-	-	-	-	-

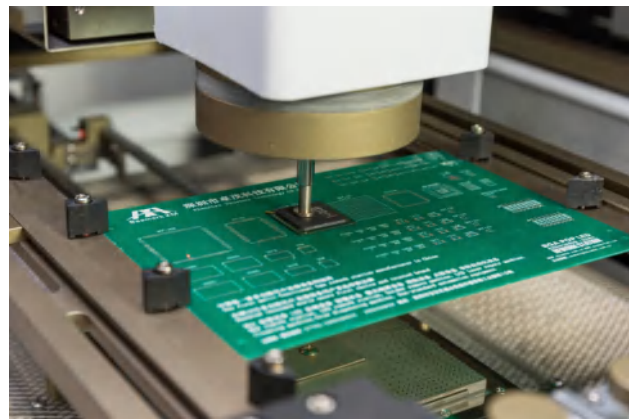
Three Independently Editable Heating Zones

Three heating zones independently programmed and controlled; convection hot air heating in the upper zone and the lower zone, the lower zone adopts a large area heating wire layout, suitable for the repair of larger BGA, and the infrared preheating zone uses the German imported medium wave ceramic infrared heating plate.



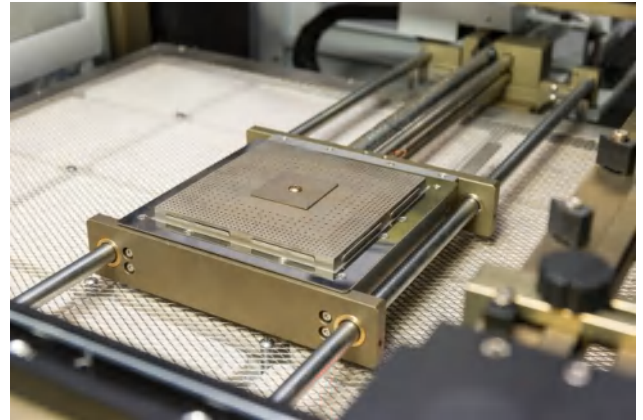
Stable Temperature Control

High-definition K-type thermocouple with accuracy up to $\pm 1\text{ }^{\circ}\text{C}$, dynamic PID multi-loop closed control selective reflow soldering process. With intelligent temperature compensation, and automatic memory function.



Bottom Heating System

The bottom preheating adopts the heating plate imported from Germany, and the built-in temperature measuring probe is more accurate, which effectively solves the heating temperature control effect. The bottom movable heating zone automatically moves with the head to improve the board rework efficiency.



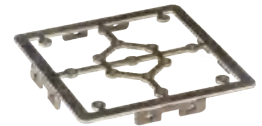
Product Parameters

Model No.	R8650C
Power Supply	AC380V±10% 50/60Hz
Power	Total power 22KW Upper temperature zone (2KW) Lower temperature zone (2KW) Preheating temperature zone (16KW) Other power (2KW)
PCB Size	660x600mm(Max) ; 10x10mm(Min)
BGA Chip Size	100x100mm(Max) ; 1x1mm(Min)
IR Temp. Zone Size	645x520mm
Motion Control	X/Y/Z
External Temp. Sensor	8PCS
Control System	Industrial PC+Servo motion control system
Display System	24 " SD display
Alignment System	2 million visual alignment system
Vacuum adsorption	Full automatic
Alignment Accuracy	±0.025mm
Temp. Control	K-type thermocouple(closed-loop), intelligent temperature compensation system with accuracy up to ±1°C
Feeding Device	Semi-automatic
Positioning	L-groove with universal fixture (shaped fixture can be customized)
Dimensions	L1235xW1215xH1850mm
Weight	993.5KG

Optional



PCB support fixture



BGA support frame



Nozzle



Vacuum Nozzle