

# R7850A

## R7850A Automatic Optical Alignment Rework Equipment



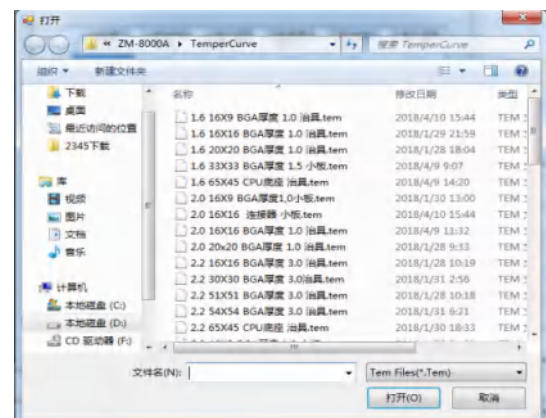
### Convenient Temperature Setting and Saving

Three temperature zones independently controlled by programming, convenient and quick setting of temperature parameters and temperature saving records, the top zone uses ceramic heaters, built-in vacuum tube is used for chip adsorption, electric control 360 degree rotation alignment, with pressure protection device, dual over-temperature protection and alarm function, software design has encryption and foolproof functions.



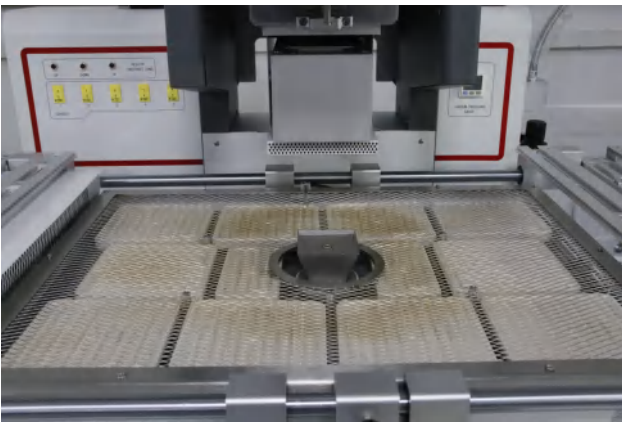
### Multifunctional Control Features

Industrial computer control, setting multiple operation modes, real-time display of temperature curves, each set of temperature curves can be set to 10 segments, automatic curve analysis can be performed, and temperature curves can be automatically generated into log files for massive storage, with traceable operating history.



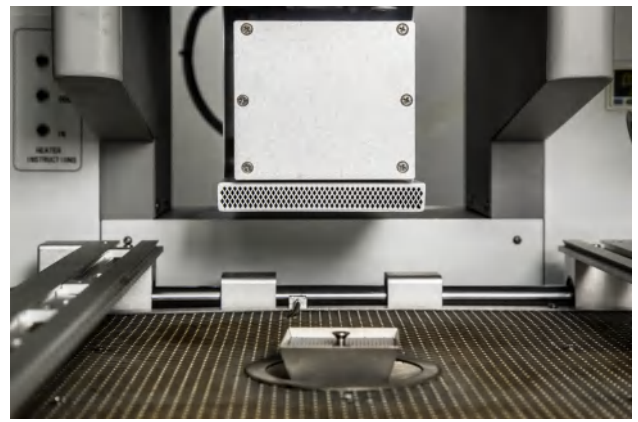
## Bottom Heating System

The medium-wave ceramic infrared heating plate imported from Germany is adopted, and the bottom temperature zone can independently move up/down to adjust the distance from the PCB. Fast temperature rise and high temperature control accuracy can effectively solve PCBA preheating and rework temperature.



## Smoke Purification System

The built-in three-level smoke purification system can filter and purify the toxic gas generated in the work, effectively protecting the environment.



## Product Parameters

|                    |  |
|--------------------|--|
| Model No.          | R7850A   |
| Power Supply       | AC 380V± 10% 50/60 Hz  |
| Power              | 9.85KW (Max) Top zone (1.45 KW) Bottom zone (1.2 KW)<br>Preheating Zone(6.6 KW) Others (0.6KW) |
| PCB Size           | 635*520 mm (Max) 6*6mm (Min)   |
| BGA Chip Size      | 80*80mm (Max) 2*2mm (Min)  |
| IR Temp. Zone Size | 565*435mm  |
| Motion Control     | X/Y/Z  |
| Temp. Sensor       | 5PCS   |
| Control System     | Panasonic PLC + Temp. control module   |
| Display System     | 15' HD Industrial Display Screen (1080P 16:9)<br>+ 18.5' SD display                            |
| Alignment System   | 2m pixels HD digital imaging system, automatic<br>optical zoom with laser red-dot indicator    |
| Vacuum Adsorption  | Automatic  |
| Alignment Accuracy | ±0.01mm  |
| Temp. Control      | K-type thermocouple closed-loop control<br>with accuracy up to ±1°C                            |
| Feeding Device     | Yes  |
| Positioning        | V-groove with universal fixture<br>(shaped fixture can be customized)                          |
| Dimensions         | L835*W960*H1640 mm   |
| Weight             | 218. 5KG   |

## Optical Alignment Module

CCD (2m pixels) optical alignment system, through the PC control system X/Y automatically move the optical lens alignment, using 15' HD industrial display (1080P 16: 9) and 18.5' SD display operation. Equipped with automatic feeding device to realize feeding and receiving automatically.

