

R7830A

R7830A Automatic Optical Alignment Rework Equipment

Excellent performance features

- ▶ Multilingual menu interface
- ▶ Automatic feeding device
- ▶ X / Y axis can be controlled by joystick, operation is quick and convenient
- ▶ Imported high-definition CCD (2m pixels) optical alignment system
- ▶ High-precision temperature control sensing system



X / Y / Z Axis Automatic Displacement

The top temperature zone is controlled by the joystick control servo system, which can automatically move and align fast/slow speed by X/Y/Z axis.



Product Parameters

Model No.	R7830A
Power Supply	AC 380V± 10% 50/60 Hz
Power	7.15KW (Max) Top heater (1.45 KW) Bottom heater (1.2 KW) IR Preheater(4 KW) Others (0.5KW)
PCB Size	565*467 mm (Max) 6*6mm (Min)
BGA Chip Size	80*80mm (Max) 2*2mm (Min)
IR Temp. Zone Size	500*380mm
Motion Control	X/Y/Z
Temp. Sensor	5PCS
Operation Method	8" imported HD large touch panel
Control System	Panasonic PLC + Temp. control module
Display System	15" HD Industrial Display Screen (1080P 16:9)
Alignment System	2m pixels HD digital imaging system, automatic optical zoom with laser red-dot indicator
Vacuum Adsorption	Automatic
Alignment Accuracy	±0.01mm
Temp. Control	K-type thermocouple closed-loop control with accuracy up to ±1°C
Feeding Device	Yes
Positioning	V-groove with universal fixture
Dimensions	L810*W1100*H960 mm
Weight	151kg

Vacuum Adsorption and Nitrogen Protection

The top heating head has a built-in vacuum suction nozzle for chip adsorption, electrically controlled 360-degree rotation alignment, with negative pressure monitoring and pressure protection device. The bottom temperature zone adopts a large-area heating wire layout, moves symmetrically with the top temperature zone, and can be connected with nitrogen to prevent PCB from yellowing.

