



## PDR IR-E3

SIMPLE REWORK STATION FOR ALL BGA/SMT COMPONENTS

- Advanced Focused IR component heating
- Quartz IR PCB preheating with up to 3 zones
- Split Beam prism system for simultaneous PCB/component viewing
- Precision Components Pick and Placement up to 10um
- Precision PCB handling
- Component Nest/Flux Application Facility
- Closed Loop Non-Contact Temperature Sensing
- Advanced Automatic Thermal Process Control
- Reflow Process Observation Camera
- PCB Forced Air Cooling



### ▼ Technical Data

<b>Bench Area:</b>	1400mm (w) x 600mm (d)
<b>Weight:</b>	65kg
<b>Warranty:</b>	2 years
<b>Voltage Frequency:</b>	208-240 volts 50/60Hz, up to 3.5KW
<b>Top Heater Power:</b>	150W Focused Infrared up to Ø70mm Spot
<b>PCB Preheater Power:</b>	3050W Dark IR
<b>PCB Preheater Heating Area Size:</b>	360 x 240mm
<b>Number of PCB Preheater Zones:</b>	3 Zones
<b>Spot Size Included:</b>	F700 (Ø 25-70mm), F200 (Ø 10-28mm)
<b>Component Placement:</b>	Split Beam Prism Alignment/x50 Magnification
<b>Placement Accuracy:</b>	Up to 10um
<b>Component Temperature Sensing:</b>	Non-Contact IR Sensor
<b>PCB Temperature Sensing:</b>	Non-Contact IR Sensor
<b>Max PCB Size:</b>	12 x 18"/300 x 450mm
<b>Max Component Size:</b>	55 x 55mm
<b>Min Component Size:</b>	01005
<b>Number of TC Channels:</b>	4
<b>Operating Software:</b>	PDR's Thermoactive Software Suite suitable for Windows 10+

### ▼ Applications

Desoldering, placement and soldering of all types of surface-mounted devices (SMD) BGA, QFN, LED, CSP, 0201, 01005

### ▼ Accessories

#### PDR Lens Attachments

AC-F150	F150 (Ø4 - 18mm spot size)
AC-F400	F400 (Ø12 - 35mm spot size)

#### PDR Micro Component Kit

UGMCO1	PDR Micro Component Kit (F150 lens attachment, low profile pickup head, SP03031:SP03030:SP03049 pick-up tips)
UGMCO2	PDR Micro Component Camera Kit (120x Zoom lens, Plate and Camera)

#### Spare Kits

AC02009	Consumables kit (lamp+socket, gel flux, roll 25mm black tape, vac cup,
AC02008	Consumables kit (lamp+socket, gel flux x 2, roll 25mm black tape, vac cup, springs, O rings, Lens No1, Cold Mirror)

#### Solderpaste Print Part System

PDRPP01	Print Part System
PDRPP02	Print Part System Additional Stencil

#### PDR Reball Kit

PDRRB01	PDR BGA Reball Set (BGA foil & frame, paste foil & frame, hi-temp esd nest, squeegee blade)
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#### Other

SP05029	Laser Alignment Tool
SC020	Controller & Sensor Calibration Check Kit
UGBHHP	Hotplate - 270mm x 125mm - 700w - 208/240V ac
UGBHHP2	Hotplate - 150mm x 125mm - 350w - 208/240V ac
SP05017	PCB Sensor Contact Probe
SP06008	Additional Board Support Assembly