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ISD



Curie Heat Technology High Thermal Recovery & Performance









- High thermal recovery & performance.
- 13.56MHz power supply with built-in LCD display.
- Dual switchable soldering ports.

TMT-9000S



- Features our unique T Series line of tip cartridges.
- Lightweight and compact, takes up minimal table space.



- Dual with ports simultaneous heat up.
- 470KHz power supply with built-in LCD display.

TMT-2200S



- Maximum flexibility, allows the use of K, P and S Series tips.
- Extremely compact, weighs just 1.3KG.



- Rapid RF induction heating with no temperature overshoot.
- temperature control within a range of ±1.1°C (±2°F).

Ergonomic & User-Friendly High Reliability & Durability

Accessories

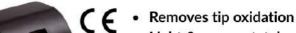


- Adjustable speed, feed length
- Adjustable feed retraction
- Use of step motor allows precision control
- Increases efficiency



Solder Tip Tester

- CE Data save and export Lightweight and easy to
 - Accurately test tip to ground resistance and tip to ground AC leakage



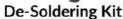


- Light & compact, takes up minimal benchtop space
- Easy to clean and maintain

Automatic Solder Tip Cleaner



- **Fast Heat Recovery**
- Ergonomic & Lightweight Handpiece
- High-Efficiency Vacuum Pump





Infrared Pre-Heater

- Three heating modes to meet different soldering requirements.
- Professional board holder allows three dimensional adjustments.



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Soldering Robot



TMT-R8000S

- 6-Axis Soldering/Dispensing Platform
- Full vision mapping & Fiducial Marks
- Laser Height Measurement
- Curie Heat Technology provides precise temp. control
- Intelligently compensates for PCBA variance
- Fume extraction Kit



TMT-R9000S

- Dual Arm, 6 Axis Soldering/Dispensing Platform
- Large Soldering Area
- Intelligently compensates for PCBA variance
- Full vision mapping & Fiducial Marks
- Laser Height Measurement
- Curie Heat Technology provides precise temp. control
- Fume extraction



TMT-R9800S

- **Dual Arm, Six Axis Soldering Robot**
- Intelligently compensates for PCBA variance
- Image Recognition & Mapping System
- Laser Height Measurement
- Curie Heat Technology for precise temperature control



- TMT-R9900S 8-Axis Soldering/Dispensing Platform
 - Full vision mapping & Fiducial Marks
 - Laser Height Measurement
 - Curie Heat Technology provides precise temp. control
 - Flux & Solder Paste dispensing
 - Intelligently compensates for PCBA variance
 - **Fume extraction**
 - PCB Loader w/Preheater (Optional)





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BGA Rework System



ZM-R730A Large Board BGA Rework Station

- Large HD Touch Screen
- Stable Temperature Control
- Removable Infrared Temperature Zone
- HD Optical Alignment and Intelligent Control



ZM-R7850A Smart Optical BGA Rework Station

- Convenient temperature setting and saving Independently programmed three temperature zones
- Multi-function control Industrial computer control
- HD optical alignment system Imported HD CCD (2 million pixel) optical alignment system



ZM-R8650 Fully Automatic BGA Rework Station

- Precise Visual Alignment
- ESD Lonizer
- Precise Motion Platform
- Multifunctional Control Feature
- Three Independently Editable Heat Zones
- Stable Temperature Control
- Bottom Heating System

Test & Measurement Instrument



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CHAMBER TEST

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Temperature & Humidity Chamber

1. Temperature Range

- Standard: -40°C to +150°C
- Extended models: -70°C to +180°C
- Heating rate: ~3-5 °C/min (depending on chamber size)
- Cooling rate: ~1-3 °C/min (LN₂ boost can increase this)

2. Humidity Range

- 10% RH to 98% RH (typical)
- Some models: 20% RH to 95% RH (more stable in this range)
- · Controlled via steam generator or ultrasonic humidifier

3. Control Accuracy

- Temperature: ±0.3°C (setpoint accuracy)
- Humidity: ±2-3% RH



Thermal Shock Tester

1. Temperature Range

- Hot Zone: +60°C to +200°C (typical up to +220°C)
- Cold Zone: -55°C to -65°C (some models extend to -75°C)
- Transition Zone (test area): follows whichever zone is active
- 2. Transfer Time (Cold ↔ Hot)
 - ≤ 10 seconds (sample transferred by basket or damper system)
 - Some advanced models: ≤ 5 seconds

3. Recovery Time

- Time to stabilize back to setpoint after transfer:
- ≤ 5 minutes (depending on sample mass & load)



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ISD

Inspection&Rework



- Digital Scope High-Magnification Visual Inspection
 - Real-Time Video Output
 - Image & Video Capture
 - Measurement & Annotation Tools



Microscope

- High Optical Magnification
- Stereoscopic (3D) Viewing
- Large Working Distance (WD)
- · Focus, Zoom, and Position Control



Magnifier Lamp

- Optical Magnification
- Integrated Illumination
- Hands-Free Operation
- Wide Viewing Area



- Fume Extractor Fume Removal at Source
 - Multi-Layer Filtration System
 - Flexible Positioning (Hose or Arm)
 - ESD-Safe Models



Rework System

- SMD Component Removal and Replacement
- Adjustable Temperature and Airflow
- Nozzle Variety for Precision
- Ideal for Rework and Repair



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ISD

Application: Rework



ZM-R730A Large Board BGA Rework Station



ZM-R7850A Smart Optical BGA Rework Station



ZM-R8650 Fully Automatic BGA Rework Station





Auto Feeder Kit



Solder Tip Tester



Automatic Solder Tip Cleaner



De-Soldering Kit



Infrared Pre-Heater





Digital Scope



Microscope



Magnifier Lamp



Fume Extractor



Rework System