

*Comes with 5
Free Nozzles!*



TF2800

BGA/SMD Rework Station

- **Rework Extra Large Boards with High Precision**

Incorporates unique patented heater technology and designed for board handling capability up to 24" x 24" (610mm x 610mm)

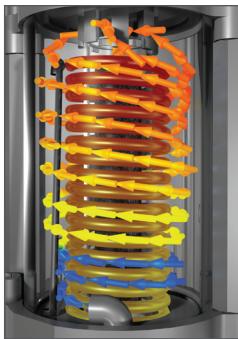
- **Powerful, Height Adjustable Bottom Heater**

An array of 7 IR emitters capable of preheating large, high mass assemblies, with height adjustment up to 1.5" (38mm).

- **High Definition Alignment System with Quad-Field Imaging**

Allows all four corners of the component to be viewed under HD magnification. Ideal for oversized BGAs or fine-pitch QFPs.

Patented Inductive-Convection Heating Technology



Inductive-Convection Heater pre-heats the air in a cyclonic fashion around the induction coil before it enters the inner chamber.

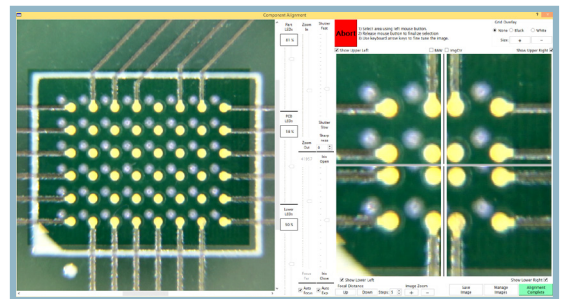
After entering the inner chamber, the pre-heated air is instantly heated to target temperature.



**High-Definition Vision
Overlay System**



**Height Adjustable
Bottom Heater**



**Automated Alignment System
with Quad-Field Imaging**

TF2800 Specifications

Part Numbers	8007-0582 (120 VAC Unit)	8007-0583 (230 VAC Unit)
Power Requirements	120 VAC, 50/60 Hz (2200 Watts maximum). Requires dedicated 20 A supply.	230 VAC, 50 Hz (2200 Watts maximum). Requires dedicated 10 A supply.
Dimensions	737mm (29") H x 1118mm (44") W x 965mm (38") D	
Weight (Without Computer)	90kg (200lbs)	
Top-side Heater	Inductive-Convection Heater, 300 Watts	
Bottom-side Preheater with Adjustable Working Height	Medium/Long wave IR, 1900 Watts; 405mm (16") x 405mm (16"); (1 x 1000 Watts & 6 x 150 Watts) Adjustable working height from lowest position up to 38mm (1.5") closer to the PCB	
Active Cooling Capability	Standard, offers swift, yet controlled component/PCB cooling, directly through the nozzle	
High Sensitivity Vacuum Pick	Pick is counterweight balanced, and utilizes an optical sensor and precision high temperature linear ball bearings, ensuring delicate placement and pick up of parts from PCB. Includes seven (7) Vacuum Picks	
Precision Placement Capability	Advanced professional placement system utilizing a stepper motor and position encoding provides smooth, precise movement, with no drift, allowing for repeatable and accurate placement.	
Placement Accuracy	Stepper motor with precision positioning of to 28µm (.0011") accuracy	
Integrated Board Support Beam	2 standard supports, 1 x support wand & 1 x fixed center height adjustment, prevents PCBs from sagging or warping during rework and is extremely adjustable to clear parts on bottom of PCB.	
Temperature Setting Range	Top Heater: 100° to 328° C (212° - 624° F); Bottom Heater: 100° to 221° C (212° - 430° F)	
Precision PCB Holder	Advanced table features micrometer X & Y adjustment, extruded board holder arms, spring loaded, with T-slots and movable clamps for both large and irregularly shaped boards with non-uniform edges	
Maximum/Minimum PCB Size	Maximum: 610mm x 610mm (24" x 24"); Minimum: N/A arms close down completely.	
Maximum/Minimum Component Size	Maximum: 65mm (2.5") x 65mm (2.5"); Minimum: 1mm Sq.	
Thermocouple Inputs	Four (4) thermocouple inputs insure accurate profile development and real-time monitoring (includes 2 K-type thermocouples)	
High Definition Optical Alignment System	Vision Overlay System (VOS) with High Definition (1080p) color camera, integrated frame grabber, dichroic beam-splitting prism, independently controlled LED illumination for component and PCB. Up to 240x zoom capability, with Stable Zoom and image stabilization. VOS does not require routine calibration. (Optical Alignment Kit included)	
Motorized Optics Housing	Automatically controlled, retractable optics housing protects Vision Overlay System from dirt and contamination	
Quad-Field Imaging	For oversized component alignment, allows up to four opposite corners of a large component (and its pads) to be viewed under higher magnification	
Single Axis Operation	All operations, including component pick-up, alignment, placement, reflow & active cooling are completed in a single axis, eliminating risk of component movement after placement and reflow.	
Auxiliary Cooling Fan	Standard	
Software	Intuitive, user-friendly, Windows-compatible software guides operators through profile development and execution; No cost upgrades on TF 2800 software	
Computer System	Windows 10 PC, with wireless mouse and keyboard	
Video Monitor	607mm (24") wide screen flat panel monitor (includes Monitor Arm Mounting Kit)	
Video Inputs	USB 3.0	
Maximum Airflow	Self contained pump, PC controlled, adjustable up to 30 SLPM	
Nitrogen Capability	Nitrogen soldering and cooling ready	
Component Nests	Two (2) removable and adjustable Component Nests provided for perfect centering of components, in preparation for vacuum pick-up/placement. Unique component holding system for parts under 5mm Sq.	
Heat Focusing, Vented Nozzles	Over 90 nozzles available	
Flux Application Plate	Included; allows for automated flux dipping	
Stencils/Solder Paste Application	Over 145 stencil kits are optionally available (requires Universal Bracket Kit) and are integrated into the installation process	
PV-65 Pik-Vac Vacuum Wand	Included; provides a manual vacuum pick-up capability for handling SMDs, incorporates new 15 minute auto-off feature	
Warranty	One Year Limited Warranty	