



CONVECTIVE SMT SYSTEMS

LOW COST HOT AIR REFLOW SYSTEMS



ST 200

SPECIFICATIONS	ST 200
Part Numbers	8007-0476 ST 200 8007-0477 ST 200E
Power Requirements	120 VAC, 60 HZ 230 VAC, 60 HZ
Dimensions	134mm H x 245mm W x 254mm D (5.25" H x 10" W x 10.4" D)
Weight	4.3Kg (9.5lbs.)
Temperature Control	Closed loop, dial control
Temperature Stability	± 9 °C (± 15 °F) at idle temp.
Temperature Range	93 ° to 454 °C (200° to 850 °F)
Airflow Range	1-6 slpm

The ST 200 Mini Air Pencil is a high performance air pencil designed specifically for the precise application of hot air and has the power to reflow components on high mass PCBs. The unit features independent dial controls for temperature and airflow, and an automatic heater shut-off function that is activated by simply placing the air pencil into its stand. The unit comes with 6 different nozzles to control the airflow for a wide variety of applications and a sturdy stand to store the handpiece. The ST 200 has an operating temperature range of 93 °C to 454 °C (200 °F to 850 °F) making it ideal for reflowing solder or for softening adhesives or protective coatings. The airflow range is fully adjustable from 1 to 6 slpm. The heavy duty, durable metal housing ensures years of trouble free service and the sloped face of the front panel is a standard feature for operator comfort.



ST 300

SPECIFICATIONS	ST 300
Part Numbers	8007-0427 ST 300 8007-0428 ST 300E
Power Requirements	97-127 VAC, 50/60 Hz, 575 Watts max. 197-253 VAC, 50/60 Hz, 575 Watts max
Dimensions	134mm H x 245mm W x 264mm D (5.25" H x 10" W x 10.4" D)
Weight	4.3Kg (9.5lbs.)
Temperature Control	Closed loop temperature control
Temperature Stability	± 9 °C (± 15 °F) at idle tip temp.
Temperature Range	149 ° to 482 °C (300° to 900 °F) nominal
Airflow Range	5-22 slpm

The ST 300 can be used to remove any SMD and for installing components that can be positioned manually. The ST 300 is a self-contained system with analog (dial) controls for temperature and airflow. The heavy-duty, durable metal housing ensures years of service and the sloped face of the front panel is a standard feature for ease of use. Other ST systems can be stacked on to the ST 300 to preserve bench space. Both cycle start and vacuum functions are activated with conveniently located switches on the handpiece. The ST 300 features the Quiet-Flo turbine for close to silent operation. Additionally, the system comes with the Lo-Flo pump and the vacuum wand (PV-65) for manipulating components manually. The capabilities of the ST 300 can be greatly enhanced when coupled with the ST 500, ST 525, or ST 550. Optional Nozzle Storage Rack 6019-0072-P1, holds 13 nozzles.

Features

- Lockable Temperature and Airflow adjustment knobs
- Automatic shut off for safety
- Functional LED Indicator lights on front panel
- Quiet-Flo turbine blower reduces operating noise
- Hi-Flo Vacuum Pump for holding component securely
- Lo-Flo Vacuum Pump for component wand

See page 16-17 for universal stand work holders and preheaters