

ProcessMate™ 6100 Hot Air Reflow System

EFD presents the new ProcessMate 6100 Hot Air Reflow System. This digital bench top reflow system uses an active feedback loop to accurately control air temperature to $\pm 5^{\circ}\text{C}$. Temperature ranges from 100°C to 480°C adjustable in 1°C increments. The diaphragm pump provides an adjustable, repeatable, constant air flow.

When used with EFD SolderPlus[®] dispensing solder paste, the ProcessMate 6100 reduces operator variability, rework and scrap while increasing productivity and production yields without special training requirements typical of wire-and-iron soldering. The precise temperature and air flow control allows for a larger process window for reflow without overheating components. Operators are able to visually observe solder being reflowed to prevent common soldering defects.

Common Manufacturing Problems

- Overheated components
- Manual heating variability that causes icicles, cold joints and other soldering defects
- Difficulty with manual part alignment and soldering at same time

Key Benefits

- **Compact**
Fits in the same space as a typical hand soldering or dispensing station.
- **Easy to Setup**
Uses digital temperature settings and dial adjustment for repeatable air flow control.
- **Easy to Use**
Just point and hold the hand piece then watch as the solder reflows.
- **Precise Process Control**
Multiple nozzle sizes included for precise focus of hot air for localized reflow.

Digital air flow and temperature control to $\pm 5^{\circ}\text{C}$ ensures repeatable, safe heating for temperature sensitive parts.



Specifications

Average Footprint:	18.8 x 12.7 x 24.4 cm (7.4" W x 5" H x 9.6" D)
System Weight:	8.3 lbs (3.8 kg)
Input voltage:	100-130 or 210-240 VAC (depending on model)
Input frequency:	50/60 Hz (automatic detection and user adjustable)
Power Consumption:	500W maximum
Hot air Temperature:	100°C to 480°C
Heat Element:	Metal Heating Core
Air Pump:	Diaphragm Pump
Pump Capacity:	23L/min maximum
RoHS, WEEE & CE Compliant:	Yes