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## **Models with 14", 18" and 24" Wave Widths**

**Exceptional value, proven performance,  
and flexible configurations  
to meet all your wave soldering needs**

- Streamlined Design for Easy Maintenance and Cleaning
- User Friendly Programming and Operation
- Exceptional accuracy and repeatability
- Durable Construction



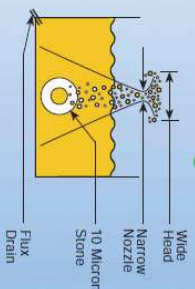
**LEAD-FREE  
Soldering Capable**

# 14", 18" and 24" WAVE SOLDER MACHINES

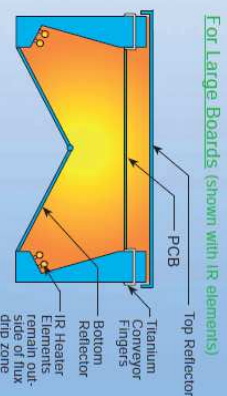
The ultimate in sophistication and simplicity. Standard machines have features shown here and more...



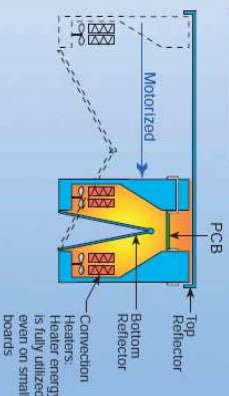
## Fluxer Configuration



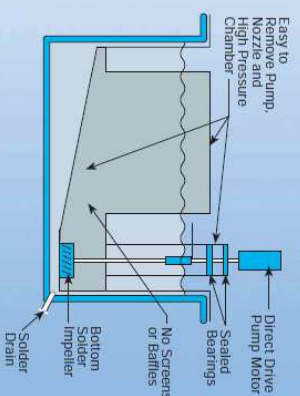
## Preheater Configuration



## For Small Boards (shown with connection elements)



## Solder Module Configuration



## OPTIONS

- Lead Free Soldering Capable
- Finger cleaner
- Spray fluxer
- Nitrogen inerting with Gasmizer™ feature
- PC interface Windows™ software
- Special applications & requests
- Full finger option

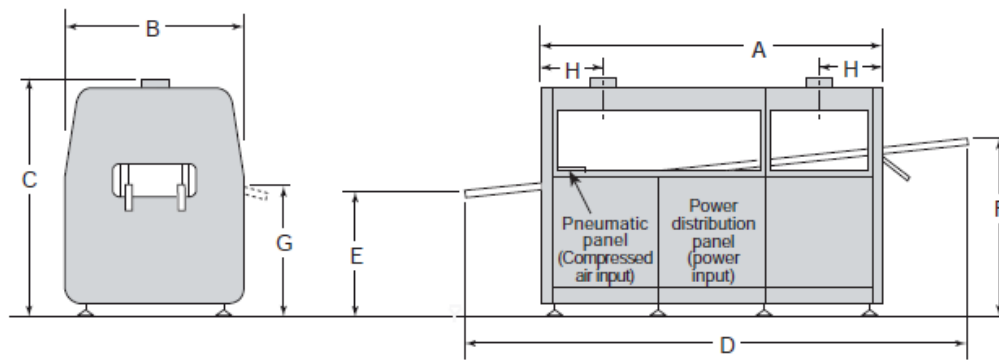
Flux nozzle with air knife

Independently controlled infrared and forced air convection preheaters compatible with VOC-free fluxes

Turbulent wave for SMD and laminar wave for through-hole soldering

Motorized roll-out pot provides easy access. Pot rolls to front of machine; requires less floor space.

# Wave Solder Machines for Lead-Free Soldering



## DIMENSIONS & SPECIFICATIONS (ENGLISH/METRIC)

MODEL	14PD/FD/PS/FS-HT	18PD/FD/PS/FS-HT	24PD/FD/PS/FS-HT
A: Footprint length	95/2413	95/2413	95/2413
B: Width (in/mm)	55/1397	55/1397	61/1550
C: Height (in/mm)	63/1600	63/1600	63/1600
D: Overall length (in/mm)	F: 127, P: 151 F: 3226, P: 3835	F: 127, P: 151 F: 3226, P: 3835	F: 127, P: 151 F: 3226, P: 3835
E: Onload height	33.5/850	33.5/850	33.5/850
F: Offload height (in/mm)	F: 46.5, P: 51.5 F: 1181, P: 1308	F: 46.5, P: 51.5 F: 1181, P: 1308	F: 46.5, P: 51.5 F: 1181, P: 1308
G: Controller height	39/990	39/990	39/990
H: Header from end	18/457	18/457	18/457
Power*	220 VAC, 60 Hz 3Ø, 30A	220 VAC, 60 Hz 3Ø, 50A	220 VAC, 60 Hz 3Ø, 50A
Foam Fluxer Tank	1 gal/4 ltrs	1.5 gal/6 ltrs	2 gal/8 ltrs
Solder Pot Capacity	500 lbs/225 kgs	1000 lbs/450 kgs	1325 lbs/600 kgs
Max Wave Height	0-3/8"/0-10 mm	0-3/8"/0-10 mm	0-3/8"/0-10 mm
Wave Width	14"/350 mm	18"/460 mm	24"/600 mm
Minimum Board Width	2"/50 mm	2"/50 mm	2"/50 mm
Max Preheat Temp	356 °F/180 °C	356 °F/180 °C	356 °F/180 °C
Preheat Power I	4.8 kW	4.8 kW	4.8 kW
Preheat Power II	NA	NA	NA
Preheat Power III	2.0 kW	2.0 kW	2.0 kW
Total Preheat Power	6.8 kW	6.8 kW	6.8 kW
Max Solder Pot Temp	662 °F/350 °C	662 °F/350 °C	662 °F/350 °C
Solder Pot Power	4.5 kW	7.5 kW	9.5 kW
Approx Warm-up Time	100 minutes	120 minutes	150 minutes
Conveyor Speed	0.5 to 2.5 m/min (98.4"/min)	0.5 to 2.5 m/min (98.4"/min)	0.5 to 2.5 m/min (98.4"/min)
Compressed Air	10 CFM @ 60 PSI (17 m <sup>3</sup> /hr @ 4 bar)		
Exhaust requirements	Two 6" dia. headers @ 300 CFM each (600 CFM total) Two 150 mm dia. headers @ 500 m <sup>3</sup> /hr each (1000 m <sup>3</sup> /hr total)		
Conveyor	6 degree incline, left to right operation, front fixed rail - rear moveable rail (motorized)		

P= pallet conveyor, F= finger conveyor, S= single wave, D= dual wave

\*Other electrical configurations available; contact factory for details