



PIE DIFFUSION
 4 Rue des Maraîchers, ZAC des Communes
 78260 ACHERES
 Tél : 01.39.11.61.62, Fax : 01.39.11.72.00
 E-mail : Piediffusion@piediffusion.com
www.piediffusion.com

The Spartan Series 8S, 8D, 12S, and 12D

Your Economic Solution for Easy Start-Up of PCB Production

- Decrease Labor Costs by Significantly Reducing Hand Soldering
- User Friendly Programming and Operation
- Small, Space Saving Footprint
- Durable Construction

Standard Features:

- Single or dual wave
- Stainless steel foam fluxer
- Computer control includes:
 - 10 menu storage
 - RS-232 serial interface
 - SPC online or offline data logging
 - Fault monitoring & reporting
 - Low solder indicator
- On board air compressor
- Dual preheaters with heat tunnel and forced air convection
- Wave and flux interval sensors
- Status light tower
- Slide-out fluxer with drip tray
- Compatible with VOC free fluxes
- Full one year warranty



**LEAD FREE
Soldering Capable**



Computer Control

Options:

- Enclosed Stand
- Flux Air-Knife
- Additional Pallets
- Extra-Long Pallets
- Nitrogen Inerting

PRODUCT SPECIFICATIONS:

SPECIFICATIONS	8S-HT (single wave)	8D-HT (dual wave)	12S-HT (single wave)	12D-HT (dual wave)
Power	220 VAC, 60 Hz 1Ø, 30A	220 VAC, 60 Hz 1Ø, 40A	220 VAC, 60 Hz 1Ø, 50A	220 VAC, 60 Hz 3Ø, 20A
Foam Fluxer Tank	0.5gal/2ltrs	0.5gal/2ltrs		
Solder Pot Capacity	125 lbs/57 kgs	125 lbs/90 kgs	200 lbs/90 kgs	375 lbs/170 kgs
Max. Wave Height	0-3/8"/0-10mm	0-3/8"/0-10mm	0-3/8"/0-10mm	0-3/8"/0-10mm
Wave Width	8"/203mm	8"/203mm	11.8"/300mm	11.8"/300mm
Max. Preheat Temp.	300°F/150°C	300°F/150°C	300°F/150°C	300°F/150°C
Preheat 1 Power	2.25 kW	2.25 kW	4.0 kW	4.0 kW
Preheat 2 Power	1.5 kW	1.5 kW	2.0 kW	2.0 kW
Max. Solder Pot Temp.	575°F/300°C	575°F/300°C	575°F/300°C	575°F/300°C
Lead Free Pot Temp.	662°F/350°C	662°F/350°C	662°F/350°C	662°F/350°C
Solder Pot Power	2.5 kW	3.2 kW	3.6 kW	7.2 kW
Approx. Warm-up Time	40 min.	40 min.	50 min.	50 min.
Max. Conveyor Speed	6 ft/min (2m/min)	6 ft/min (2m/min)	6 ft/min (2m/min)	6 ft/min (2m/min)
Pallet	STD: 8" x 11.4" 200 x 290mm	STD: 8" x 11.4" 200 x 290mm	STD: 12" x 15.8" 300 x 400mm	STD: 12" x 15.8" 300 x 400mm
Dim. (in/mm) A	66.5/1690	66.5/1690	79/2007	79/2007
B	96.5/2451	96.5/2451	118/2997	118/2997
C	14/355.6	14/355.6	19.5/495.3	19.5/495.3
D	20/508.0	20/508.0	24/609.6	24/609.6
E	31/787.4	31/787.4	39/990.6	39/990.6
F	50/1270.0	50/1270.0	54/1371.6	54/1371.6
G	11.5/292.1	11.5/292.1	16.5/419.1	16.5/419.1
H	8.8/223.5	8.8/223.5	10.8/274.3	10.8/274.3
I	33/838	33/838	33/838	33/838
J	45/1143	45/1143	46/1169	46/1169
K	2/50.8	2/50.8	2/50.8	2/50.8
L	28/711.2	28/711.2	28/711.2	28/711.2
M	14/356	14/356	15/381	15/381
N	4.5/114	4.5/114	5/127	5/127
Venting Requirement	300 CFM/500 m3/h max., 4" /100 mm Dia. Flange			

