



fancort industries, inc. TM

Hot Bar Soldering

Overview

Fancort offers 2 models of Hot Bar Bonding & Soldering machines which are easy to use, robust and economical for bonding flex to rigid assemblies such as Flex to PCB, LCD-Flex to PCB, Flex to LCD, HSC to LCD, HSC to PCB.

Features

- ▶ Microprocessor-based controller provides precise and consistent temperature control.
- ▶ Unique pulsed heat thermode offers uniform temperature distribution, fast heating and cool-down.
- ▶ Flexible programmable profiles for targeted idle, preheat and reflow temperature.
- ▶ Floating thermode and digital pressure control.
- ▶ Manual shuttle of work; optional pneumatic shuttle.
- ▶ Fancort can supply fixtures and thermodes.
- ▶ "Smartherm" constant heat-type machine for heat seal applications.
- ▶ Optional CCD camera system and monitor.



New Product!

Bonder machine uses conductive adhesive film (ACF) for very fine pitch devices.

Equipment Comparison



System Specifications	System PHM 1-1	System PHM 2-2
Dimensions	690mm (D) x 520 mm (W) X 800 mm (H)	840mm (D) x 790 (W) x 280 mm (H)
Weight	82 kg	120 kg
Work Table Type	Sliding	Rotary
Vacuum	1 Set	2 Sets
Air Supply	0.4 to 0.6 MPa	
Power Consumption	AC 110V, 60 Hz, 15 Amp max.	
Working Area	50mm x 200mm (normal): 250mm x 200mm (maximum)	



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Thermode Specifications

Maximum Thermode Area	400 mm ²
Maximum Thermode Length	100mm (normal)
Force Range	30 N @ 0.09 MPa to 600 N @ 0.6 MPa
Thermode Stroke	50 mm
Force Accuracy	±
Actuation Type	Pneumatic

Pulsed Heat Control Specifications

Temperature Range	1° C Interval
Idle	0 to 150° C
Preheat	0 to 500° C
Reflow	0 to 500° C
Time Periods	1 Second Interval
Preheat	0 to 200 Seconds
Reflow	0 to 200 Seconds
Heating Rate Control	Eight (8) Selections
Programmable Heat Profiles	Four (4) Internal Memory
Thermode Cooling	Air For Cooling Thermode

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