



Desktop Series Pulsed Heat

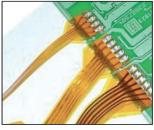
Hot Bar Systems

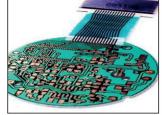
The Amada Miyachi Europe Desktop Series PH is an integral part of the Hot Bar Systems using Pulsed Heat Technology (Uniflow Power Supply), the SH80 or the SH500 pneumatic Bonding Head and the standard Quick Connect Blocks with Thermo-plane Thermodes. All modules are mounted on a sturdy and easily adjustable frame construction. The Desktop Series includes different product handling features like left-right and front-rear slides as well as rotary tables. All systems offer maximum output and are designed considering ergonomic standards. Optional components for the Desktop Series are optical alignment modules, sarcon & kapton interposer modules and customised product tooling.

KEY FEATURES

- Small and flexible systems for high quality connections
- Ideal price-performance (throughput) ratio
- Simple adjustable frame construction
- For Heat-Seal bonding, Hot Bar Reflow Soldering and Heat Staking
- Reliable process control, by proven technology of Uniflow Power Supply

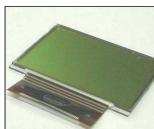
TYPICAL APPLICATIONS





Hot Bar reflow soldering

Heat-seal bonding





ACF bonding

Heat staking

TECHNICAL SPECIFICATIONS

Power requirements		100 to 240 Vac, 50/60 HZ, 16 Amp max	
Air supply		4 – 8 bar [60 – 120 psi] , dry & filtered air	
Maximum fixture height		50 mm [1.97 lnch]	
Gantry open width		520 mm [20.47 Inch]	
Fixture assembly baseplate		160 x 160 mm [6.30 x 6.30 lnch]	
Starting operation		Two hand control	
Operating temperature		15 – 40 °C	
Operating humidity		93% @ 40 °C	
Bonding head & uniflow technical sp	ecifications		
Force range		SH 500: 50 – 500 N @ 6 Bar SH 80 : 8 – 80 N @ 6 bar	
Hot Bar stroke		SH 500: 50.0 mm SH 80 : 50.0 mm	
Temperature range Idle Baseheat Preheat	25 to 100 °C 25 to 300 °C 60 to 300 °C	Heat Heat Extended Range Postheat	60 to 600 °C 60 to 999 °C 25 to 600 °C
Time period (in 0.1 sec increments) Base Heat Rise to Preheat Time Preheat	0 to 99.9 seconds 0 to 9.9 seconds 0 to 99.9 seconds or continuous	Rise to Heat Time Heat Postheat	0 to 9.9 seconds 0.1 to 99.9 seconds 0 to 99.9 seconds
Communication ports		RS-232, RS-485	
For additional specifications, please rev	iew the Uniflow-4 Datasheet and th	e Bonding Head Datasheet	

PRODUCT SPECIFICATIONS

Desktop DT-150-PH	No movement
Desktop DT-250-PH (manual 2-position front-rear slide)	Stroke between front and bonding position: 200 mm fixed
Desktop DT -260-PH (manual 3-position front-rear slide)	Stroke between first and second bonding position: 0-50 mm
Desktop DT-270-PH manual 2-position left-right slide)	Stroke between left and right bonding position: 180 mm fixed
Desktop DT-350-PH automatic 2-position front-rear slide)	Stroke between front and bonding position: 200 mm fixed
Desktop DT-360-PH (automatic 3-position front-rear slide)	Stroke between first and second bonding position: 0-50 mm
Desktop DT-370-PH (automatic 2-position left-right slide	Stroke between left and right bonding position: 180 mm fixed
Desktop DT-440-PH (manual 2-position turntable)	Turntable diameter: 380 mm
Desktop DT-450-PH (automatic 2-position turntable)	Turntable diameter: 380 mm / turntable movement time: < 2 seconds

WEIGHT & DIMENSIONS

Dimensions HxWxD (mm)	510 x 550 x 600	
Weight (in kg)	40 kg (excluding Uniflow Power Supply)	



