



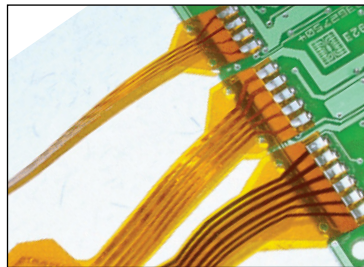
DT Series Pulsed Heat Hot Bar Systems

The AMADA WELD TECH DT Series utilizes pulsed heat technology (UF-4000A), the SH-080A or the SH-500A pneumatic bonding head and standard quick connect blocks with thermo-plane thermodes. All modules are mounted on a sturdy and easily adjustable frame construction. The DT Series includes different product handling features like left-right and front-rear slides as well as rotary tables. All systems are designed considering ergonomic standards. Optional components for the DT Series include optical alignment modules, Sarcon® & Kapton® interposer modules and customized product tooling.

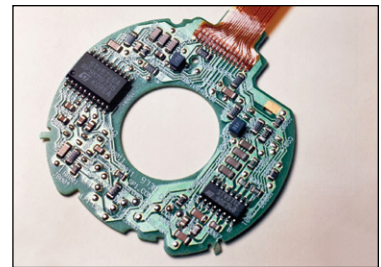
KEY FEATURES

- Small and flexible systems for high quality connections
- Ideal price-performance ratio
- Simple adjustable frame construction
- For heat-seal bonding, hot bar reflow soldering and heat staking
- Reliable process control UF-4000A power supply

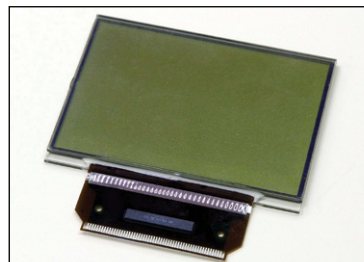
TYPICAL APPLICATIONS



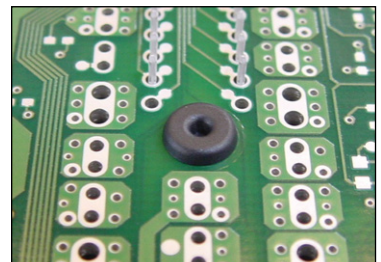
Hot bar reflow soldering



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 in]
Gantry open width	520 mm [20.47 in]
Fixture assembly baseplate	160 x 160 mm [6.30 x 6.30 in]
Starting operation	Two hand control
Operating temperature	15-40° C
Operating humidity	93% @ 40° C

BONDING HEAD & UF-4000A TECHNICAL SPECIFICATIONS

Force range	SH-500A: 50 - 500 N @ 6 Bar SH-080A: 8 - 80 N @ 6 bar		
Hot Bar stroke	SH-500A: 50.0 mm SH-080A: 50.0 mm		
Temperature range			
Idle	25 to 100° C	Heat	60 to 600° C
Baseheat	25 to 300° C	Heat Extended Range	60 to 999° C
Preheat	60 to 300° C	Postheat	25 to 600° C
Time period (in 0.1 sec increments)			
Base Heat	0 to 99.9 seconds	Rise to Heat Time	0 to 9.9 seconds
Rise to Preheat Time	0 to 9.9 seconds	Heat	0.1 to 99.9 seconds
Preheat	0 to 99.9 seconds or continuous	Postheat	0 to 99.9 seconds
Communication ports	RS-232, RS-485		

For additional specifications, please review the UF-4000A Datasheet and the Bonding Head Datasheet

PRODUCT SPECIFICATIONS

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

WEIGHT & DIMENSIONS

Dimensions (W x D x H)	21.65 in x 23.62 in x 20.07 in (550 mm x 600 mm x 510 mm)
Weight	88.18 lb (40 kg) excluding UF-4000A power supply



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