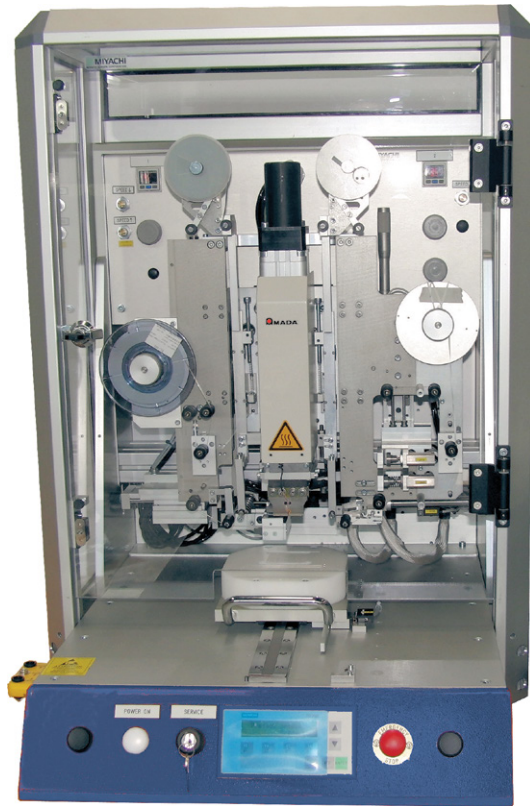




Desktop Series ACF Laminating

The AMADA WELD TECH Hot Bar Desktop Series uses the proven SH-80A pneumatic bonding head technology and offers reliable process control.

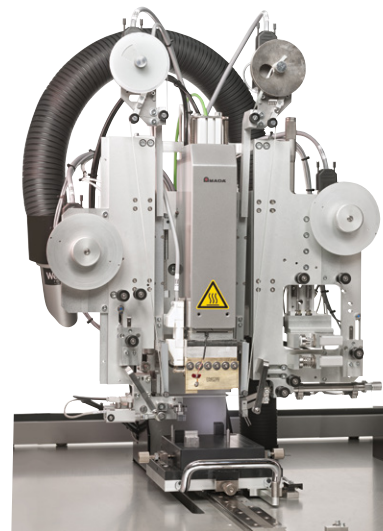
All modules are mounted on a sturdy, adjustable frame. The Desktop Series includes product handling features including left-right and front-rear slides as well as rotary tables. All systems are designed according to modern ergonomic standards, facilitating maximum output. Optional components for the Desktop Series include Sarcon and Kapton Interposer Modules and product tooling.

CONFIGURATION OPTIONS

- 3-layer ACF tape configuration upgrade
- Manual/automatic tape interposer module
- Combined ACF laminating/final bonding using dual bond force and pulsed heat

KEY FEATURES

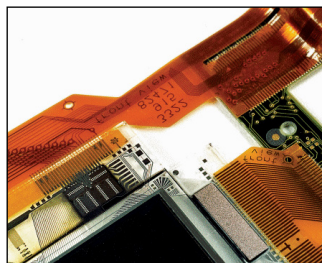
- Compact and flexible systems for high quality connections
- Easily adjustable frame construction
- Ideally suited for ACF laminating (pre-bonding)
- Reliable process control



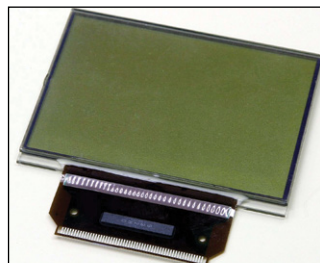
TYPICAL APPLICATIONS



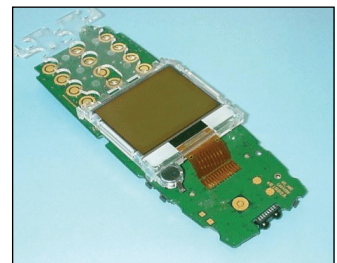
CCD camera



LCD display



Mobile display



Mobile phone

TECHNICAL SPECIFICATIONS

Force range	SH-80A: 8 - 80 N*
Hot bar stroke	50.0 mm [2.0 inch]
Temperature range	Laminating 50 - 150° C
Time period	Reflow: 0.1 to 99.9 seconds (0.1 second increments)
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 base plate	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

*For additional specifications, please review the Bonding Head Datasheet

ACF LAMINATING MODULE TECHNICAL SPECIFICATIONS

ACF module (standard configuration)	Standard 2-Layer tape configuration Standard ACF Laminating (L x W) 50 mm x 2.0 mm Minimum ACF Laminating (L x W) 5 mm x 1.0 mm (Optional) ACF Laminating (L x W) 100 mm x 2.0 mm Placement accuracy: X-direction +/- 0.5 mm /Y-direction +/- 0.3 mm
ACF module (optional upgrade)	Upgrade to 3-Layer ACF tape configuration
Pillar mechanism	Pneumatic
ACF tape cutting	Half-cut
Tape feeding and tension control	DC-motor & sensor controlled

ACF LAMINATING DESKTOP MODEL 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-350A (automatic 2-position front-rear slide)	Stroke between front and bonding position: 200 mm fixed
Desktop DT-360A (automatic 3-position front-rear slide)	Stroke between first and second bonding position: 0 - 50 mm
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



USA Headquarters and Western Technical Center

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