

Desktop Series Constant Heat ACF Laminating

The Amada Miyachi Europe Hot Bar Desktop Series uses the proven SH500 pneumatic bonding head technology and offers reliable process control.

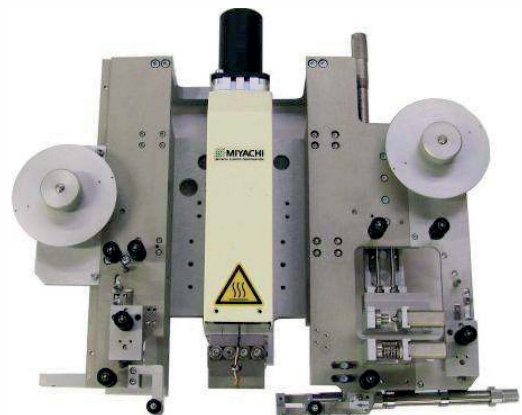
All modules are mounted on a sturdy and easily adjustable frame. The Desktop Series includes different product handling features like left-right and front-rear slides as well as rotary tables. All systems offer maximum output and are designed according to modern ergonomic standards. Optional components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

KEY FEATURES

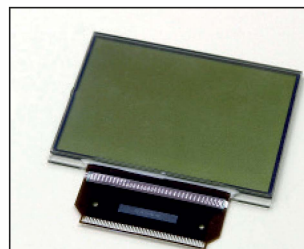
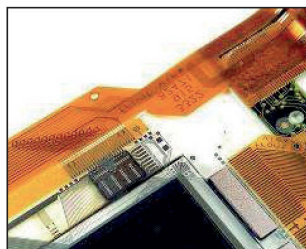
- Compact and flexible systems for high quality connections
- Easily adjustable frame construction
- Ideally suited for ACF Laminating (Pre-bonding)
- Reliable process control thanks to proven technology
- Optional Pulsed Heat Temperature Control (Retrofittable)
- Optional Light-Screen Safety protection cover (Retrofittable)

CONFIGURATION OPTIONS

- 3-layer ACF tape configuration upgrade
- Desktop upgrade to Pulsed Heat Temperature Control
- Manual/Automatic Sarcon Interposer module
- Combined ACF Laminating/Final bonding using dual bond force and pulsed heat



TYPICAL APPLICATIONS



TECHNICAL SPECIFICATIONS

Force range	SH 500: 50 – 500 N @ 6 Bar **
Hot Bar stroke	50.0 mm [2.0 inch]
Temperature range	Laminating 50 – 150 °C (Constant heat configuration)
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 Inch]
Gantry open width	520 mm [20.47 Inch]
Fixture assembly base plate	160 x 160 mm [6.30 x 6.30 Inch]
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 (LxW) 50 mm x 2,0 mm Minimum ACF Laminating (LxW) 5 mm x 1,0 mm (Optional) ACF Laminating (LxW) 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
Peeler mechanism	Pneumatic
ACF tape cutting	Half-cut
Tape Feeding and Tension Control	DC-Motor & sensor controlled

ACF LAMINATING DESKTOP MODEL SPECIFICATIONS

Desktop DT-150-ACF-CH	No movement
Desktop DT-250-ACF-CH (manual 2-position front-rear slide)	Stroke between front and bonding position: 200 mm fixed Desktop DT -260-ACF-CH
(manual 3-position front-rear slide)	Stroke between first and second bonding position: 0-50 mm
Desktop DT-350-ACF-CH (automatic 2-position front-rear slide)	Stroke between front and bonding position: 200 mm fixed
Desktop DT-360-ACF-CH (automatic 3-position front-rear slide)	Stroke between first and second bonding position: 0-50 mm
Desktop DT-440-ACF-CH (manual 2-position turntable)	Turntable diameter: 380 mm
Desktop DT-450-ACF-CH (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 for optional Pulsed Heat configuration)