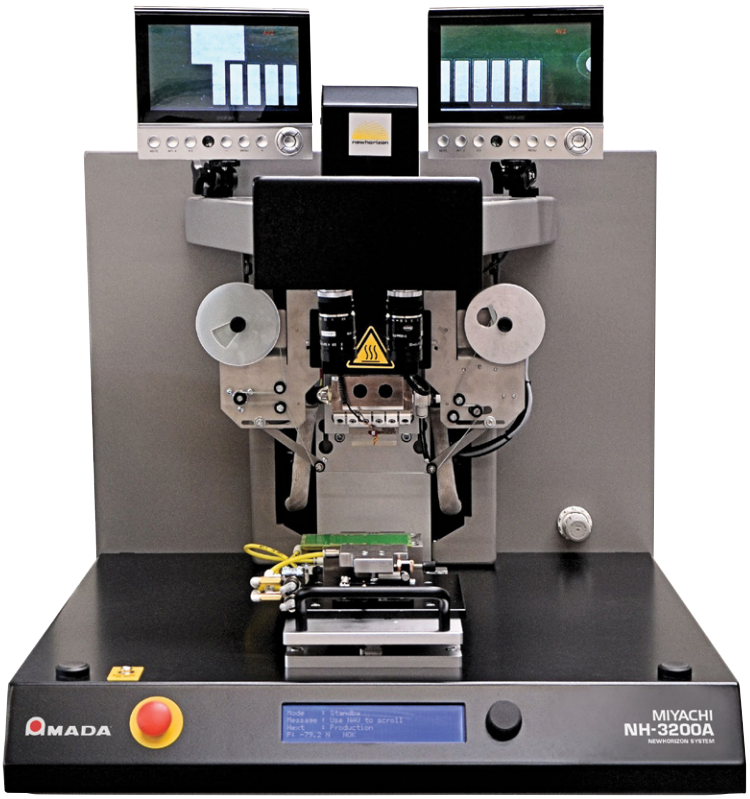


NH-3000A

Pulsed Heat Heat-Seal/ ACF Final Bonding System

AMADA WELD TECH's Heat Seal/ACF Final Bonding systems utilize a pulsed heat power supply, a pneumatic bonding head, and customized thermodes.

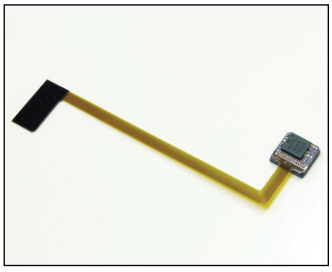
Designed to the highest ergonomic standards, product handling features include both linear slide and rotary tables offering maximized production throughput.

Systems can be customized with optional plug & play modules including tape interposers and vision systems mounted on a robust frame.

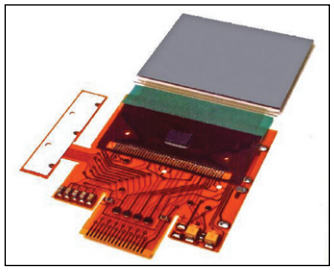
KEY FEATURES

- Compact, flexible standard systems
- User-friendly system configuration with optional plug & play modules
- X-Y hot bar planarity adjustment
- Electronic temperature & system control
- Digital bond force readout
- CE approved

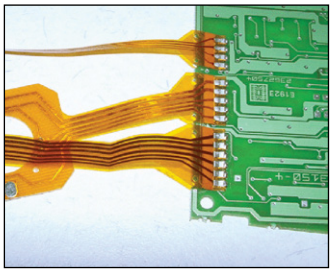
TYPICAL APPLICATIONS



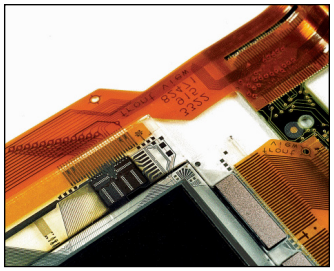
CCD camera



Multiple flex



Flex-PCB



LCD display

TECHNICAL SPECIFICATIONS

Power requirements	100-240 VAC / single phase / 50/60 Hz (16 Amps max)
Air supply	6 - 8 bar [87 - 116 psi] , clean dry & filtered air
Fixture assembly baseplate dimensions	5.9 in x 5.9 in (150 mm x 150 mm)
Fixture weight	1.0 kg max (per product fixture)
Thermode size (length x width)	Min 0.11 x 0.4 in (3 x 1 mm) / max 2.95 x 0.19 in (75 mm x 5 mm)
Starting operation	Two hand control
Start-up time	< 5 minutes
Operating temperature	15 - 40° C
Operating humidity	Max 93% @ 40° C
Certification	CE approved

BONDING HEAD & TEMPERATURE CONTROLLER TECHNICAL SPECIFICATIONS

Force range		60 - 750 N @ 6 bar	
Bond Head stroke (max)		1.77 in (45 mm)	
Bond level height		0.78 in (20 mm)	
Free Z space for components		0.78 in (20 mm)	
Temperature range **Idle** **Baseheat** **Preheat**	 25 to 300° C 25 to 300° C 60 to 500° C	 Heat Heat extended range Postheat	 60 to 600° C 60 to 999° C 25 to 999° 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

MODEL SPECIFICATIONS

NH-3112A base	No movement
NH-3222A linear slide (manual 2-position front-rear slide)	Stroke between front and bonding position: 7.87 in (200 mm) fixed
NH-3322A rotary table (manual 2-position)	Turntable diameter: 14.96 in (380 mm)
NH-3422A automatic rotary table (pneumatic 2-position)	Turntable diameter: 14.96 in (380 mm) Turntable movement time: < 2 seconds

WEIGHT & DIMENSIONS

Dimensions (W x D x H)	24.21 in x 27.36 in x 25.59 in (615 mm x 695 mm x 650 mm)
Weight	132.27 lb (60 kg)

USA Headquarters and Western Technical Center
AMADA WELD TECH
1820 S. Myrtle Ave. • Monrovia, CA 91016 US • T: (626) 303-5676
info@amadaweldtech.com • www.amadaweldtech.com
ISO 9001:2015 Certified Company • 24/7 Repair Service: 1-866-751-7378

AMERICAS

AMADA WELD TECH (Eastern Technical Center)
High Point, North Carolina
T: (941) 544-5762
southsales@amadaweldtech.com

AMADA WELD TECH (Midwest Technical Center)
Detroit, Michigan
T: (248) 313-3078
midwestsales@amadaweldtech.com

AMADA WELD TECH (Mexico Office)
El Paso, Texas
T: (915) 881-8765
mxsales@amadaweldtech.com

EUROPE

AMADA WELD TECH GmbH
Munich, Germany
T: +49-89-839403-0
infode@amadaweldtech.eu

ASIA

AMADA CO., LTD.
Isehara, Japan
T: +81-463-96-1111
amd_microweld_sales@amada.co.jp

AMADA WELD TECH SHANGHAI CO., LTD.
Shanghai, China
T: +86-21-6448-6000
jwu@amadaweldtech.com.cn

AMADA WELD TECH KOREA CO., LTD.
Seoul, Korea
T: +82-31-8015-6810
amadasales@amadaweldtech.co.kr
sales2@amadaweldtech.co.kr

AMADA WELD TECH TAIWAN CO., LTD.
Taipei, Taiwan
T: +886-3-328-3511

AMADA (THAILAND) CO., LTD.
Bangkok, Thailand
T: +66-2170-5900
info@amada.co.th

AMADA VIETNAM CO., LTD.
Ha Noi, Vietnam
T: +84-4-6261-4583
thuyet@amada.co.jp

AMADA WELD TECH INDIA PVT., LTD.
Bangalore, India
T: +91-80-4092-1749
info@amadaweldtech.in

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