

For System Head of Pulse Heat-Resistance Welding



Linear Slider Drive Head Controller CNT-320B

Linear Slider Drive Unit NA-201PB / NA-202PB

New Product!

Soldering / Plastic Heat Processing / Metal Welding

More Precisely! More Beautifully!

Precise, and Highly Reliable

1 μ m resolution slider drive realizes high positioning accuracy and stabilization of applied pressure, by which micro joining improves its reliability.

Stable Quality

With pressure stabilization function, deformation state is always detected by a sensor to keep pressure. It helps to improve joining quality for application with large deformation such as heat caulking.

Reducing Damage from Pressure Force

Head position controlled with high accuracy during welding, which suppresses deformation from pressure and enables finishing work height constant.

Response to Electrode Status

Re-setting of electrode height is NOT required when it is worn out or replaced, because height of the electrode is automatically recognized and tracked.

Reducing Defects

Monitoring function detects contact position of work, which contributes to reduce defects from presence or absence of parts, as well as failure from setting of works.



System Head Combination Example

Touch Panel Display



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Features

- Wizard setting function allows you to set automatic setting function and require items in order.
- Easy Teaching Function is available from front touch panel and lever type JOG switch.
- Work Type Registration: Up to 7 Types
- Support for automated machine... External I/O IN 6, OUT 6 (Signal selection type)

<Applications>

- Assembly/mounting of high definition components
- Fusing for motor(*1), heat caulking of plastic parts(*2), etc.

Bonding quality affected from the amount of displacement

* 1 Fusing: Coil wire is sandwiched between U-shaped terminal and joined by heat and pressure.

* 2 Heat Caulking: Parts are joined (fixed) by crushing resin protrusions with heat and pressure.



Linear Slider Drive Head Controller

Item	CNT-320B
Drive Unit	NA-201PB or NA-202PB
Minimum Resolution	1 μ m
Setting Speed	0.1~100mm/Sec. (0.1mm/Sec. step)
Display	3.5 inch color LCD
Operation	Touch panel, JOG switch
Interface	I/O (IN : 6 , OUT : 6)
Parameter Storage	7 Parameters
Power-Supply Voltage	DC24% \pm 5% 4A
Operating Environment	0~40° C, Humidity less than 85%
External Dimensions	W120 \times D305 \times H207mm
Weight	3.7kg

Linear Slider Drive Unit

Item	NA-201PB	NA-202PB
Drive System	Servomotor	
Pressure	Max. 150N	Max. 300N
External Dimensions	W45 \times D78.5 \times H280.2mm	W74 \times D103.5 \times H322.6mm
Weight	2.0kg	4.2kg

※Specifications are subject to change without notice for improvement.

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