

STAND-ALONE SERIES

PULSED HEAT THERMODE TECHNOLOGY FOR REFLOW SOLDERING AND HEAT-SEAL BONDING

The Unitek Eapro Stand-Alone Series are standard Hot-Bar Systems using Pulsed Heat Technology (Uniflow power supply), the SH500 pneumatic or PH500 motorized bonding heads and the standard Quick Connect Blocks with Thermo-Plane Thermodes. The Stand-Alone Series are constructed upon welded and sprayed steel frame with sprayed base plate and all bonding head modules are mounted on a stiff gantry or post construction. The Stand-Alone line includes product handling features like front-rear slides as well as rotary tables.

UNI-BASE SYSTEMS



Uni-Base SS-W-231

The **SS-W-100** System is the base model for the Stand-Alone Series. The bonding head is mounted on the gantry construction and has an accessible width of 420 mm allowing products up to a maximum of 400 mm wide. The throat depth from the gantry to the bonding position is approximately 150 mm deep.

Standard available are:

SS-W-100 SH500, Uniflow

SS-W-231 SH500, Uniflow, basic manual slide

PS-W-101 PH500, Uniflow, PLC control

UNI-SLIDE SYSTEMS



Uni-Slide Plus PS-S-210
including optical alignment module

The Uni-Slide/Uni-Slide Plus Systems have a product handling slide in the front-rear direction. The slide system moves the products from the operator position to the processing position. In the processing position the bonding head moves the Thermo-Plane Thermode on top of the products to be bonded.

The Uni-Slide System uses a manually driven linear slide. The Uni-Slide Plus System uses a free programmable motorized linear slide.

Standard available are:

SS-W-230, SH500, Uniflow, manual slide

PS-W-230, PH500, Uniflow, manual slide

PS-S-210, PH500, Uniflow, motorized slide

UNI-TURN and UNI-TURN PLUS SYSTEMS



Uni-Turn PS-S-321



Uni-Turn Plus SS-A-310

The Uni-Turn/Uni-Turn Plus Systems use a rotary table that rotates the products from the operator position to the processing position. These Systems offer maximum output due to the simultaneous loading/unloading and bonding of the product. The loading position is always located in front of the operator making these systems ergonomically friendly. Both Systems can use either the SH500 (pneumatic) or PH500 (motorized) bonding heads.

The Uni-Turn System uses a pneumatic rotary and has only 2 stop positions. Depending the product sizes, dual head configurations can be used to further increase output. The Uni-Turn Plus System uses a motorized rotary and can have 2, 3, 4, 5, or 6 stop positions. The Uni-Turn Plus Systems are designed for large products, applications with multiple connections, numerous products per process cycle and combined process like fluxing & soldering as ACF laminating & Heat-Seal Bonding as well.

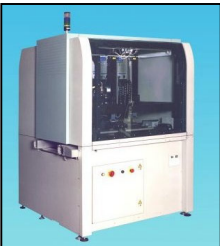
Standard available Uni-Turn systems are:

- SS-S-320** SH500, Uniflow, pneumatic rotary
- SS-S-321** SH500 (2x), Uniflow (2x), pneumatic rotary
- PS-S-320** PH500, Uniflow, pneumatic rotary
- PS-S-321** PH500(2x), Uniflow (2x), pneumatic rotary

Standard available Uni-Turn Plus systems are:

- SS-A-310** SH500 (2x), Uniflow (2x), motorized rotary
- PS-A-310** PH500 (2x), Uniflow (2x), motorized rotary
- PS-A-315** PH500, Uniflow, motorized rotary

UNI-LINE SYSTEMS



Unitek Eapro offers the Uni-Line Series for fully automatic In-Line systems. Well-known brands of conveyors, buffer stations, and other modules complying with SMEMA communications are used. Fluxing, automatic alignment, robotic handling and automated component feeding are standard options to be integrated

Additional Modules for the Stand-Alone Series: Optical Alignment Modules, Kapton Feeder Modules, Water Cooling Modules, Interposer Modules, ACF Laminating Modules and Customized Product Jigs.

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