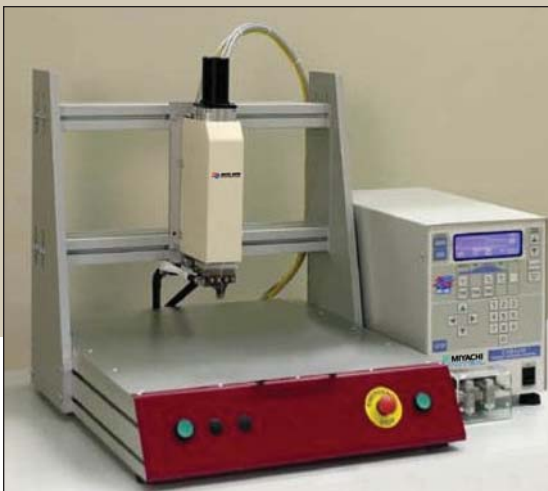


Pulsed Heat Thermode Technology for Reflow Soldering and Heat-Seal Bonding

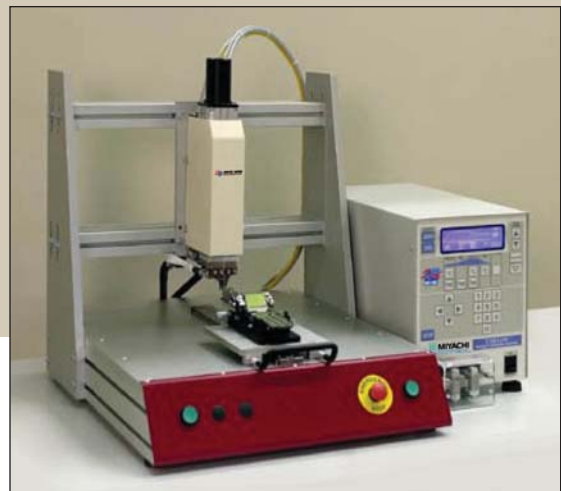
Miyachi Unitek's Desktop Series Bonders are standard tabletop Hot-Bar Reflow Soldering Systems using Pulsed Heat Technology (Uniflow® power supply), pneumatic bonding heads and Quick Connect Blocks with Thermo-Plane Thermodes. All modules are mounted on a simple adjustable frame construction. The Desktop Series includes product handling features such as left-right and front-rear slides, as well as rotary tables.



Uni-Base

The base model in the Desktop Series line, DT-150-PH, utilizes the SH500 and Uniflow 2 modules with a gantry construction. Gantry width is 520 mm.

The bonding head can be adjusted in the X-Y-Z axis, which makes the system flexible for a variety of applications.



Uni-Slide with Front-Rear Slide

This group of four Desktop Uni-Slide Systems has a product handling slide in the front-rear direction. The slide modules operate either manually or pneumatically and have an option for two or three-stop positions. A third stop position is available and designed for two bonding locations on a single PC board, as in a flex to LCD and PCB process.

Standard available are:

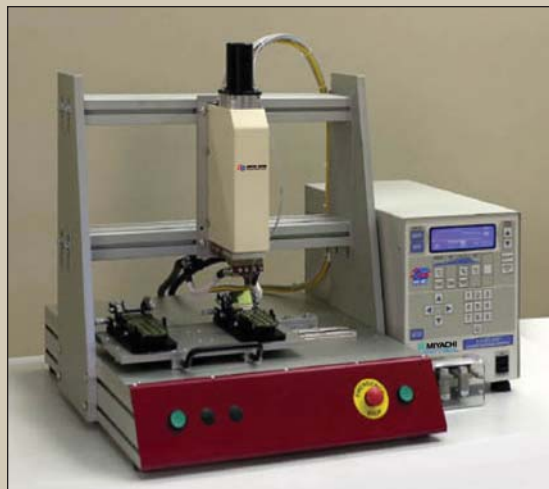
- DT-250-PH** 2-position manual slide
- DT-260-PH** 3-position manual slide
- DT-350-PH** 2-position pneumatic slide
- DT-360-PH** 3-position pneumatic slide

Uni-Slide with Left-Right Slide

The **DT-270-PH** Uni-Slide System has a manually operated left-right slide with two stop positions. This system offers maximum output when compared to a front-rear slide, due to simultaneous loading/unloading and bonding of parts. The stroke left to right is 180 mm and can accommodate part sizes up to 160 x 160 mm.

Standard available is:

DT-270-PH 2-position manual slide



Uni-Turn Systems

This group of two Desktop Uni-Turn Systems uses either manual or pneumatic rotary tables. The pneumatic rotary table uses a PLC controller which is included in the System.

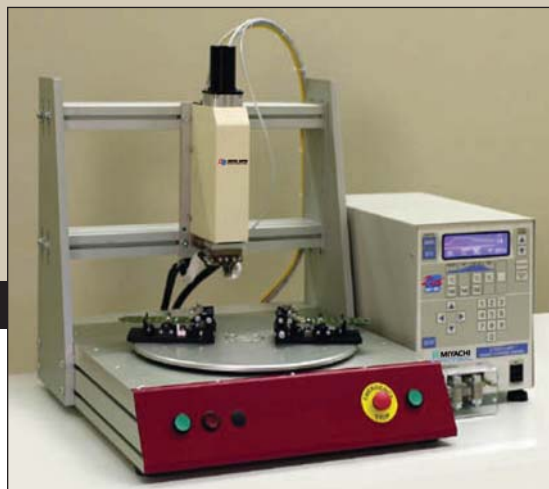
Uni-Turn Systems offer maximum output due to the simultaneous loading/unloading and bonding of parts. The loading position is always located in front of the operator making these systems ergonomic.

The rotary table diameter is 380 mm and the maximum product dimension is 160 x 160 mm

Standard available are:

DT-440-PH Manual rotary

DT-450-PH PLC controlled pneumatic rotary



Additional Modules for the Desktop Series: Optical Alignment Modules, Kapton Feeder Modules, Water-cooling Modules, Interposer Modules and Customized Product Jigs

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