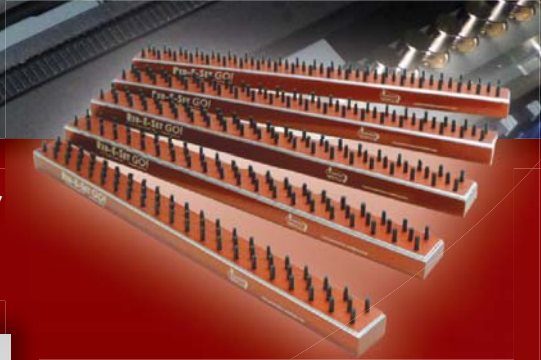
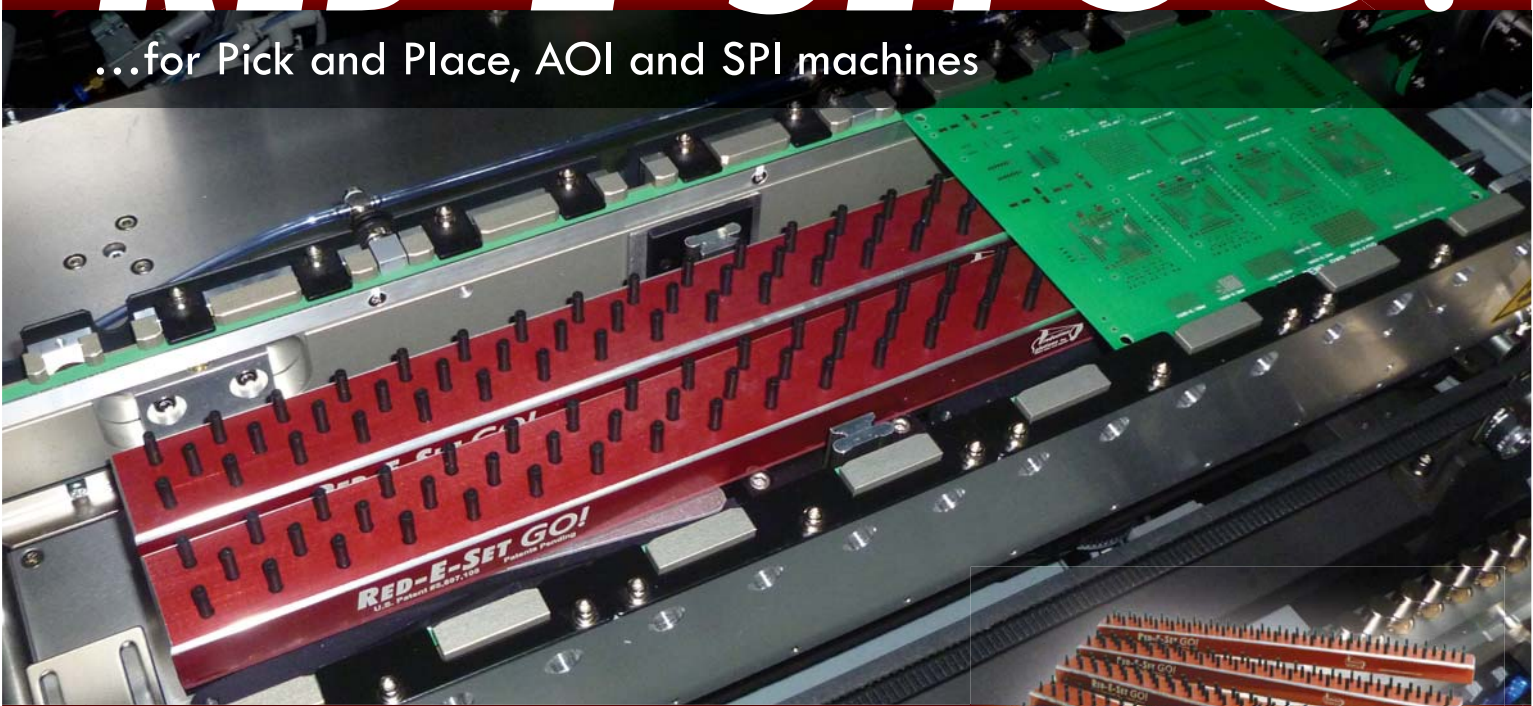


RED-E-SET GO!

...for Pick and Place, AOI and SPI machines



Get Ready, Get Set ...GO! Production Solutions Inc., the manufacturer of the industry-leading Red-E-Set Board Support System, premieres the RED-E-SET GO!

- ▶ Eliminates Board Sag
- ▶ Dampens Board Bounce/Vibration
- ▶ Prevents Component Damage
- ▶ Resets For Every Board
- ▶ No Setup Required
- ▶ Improves Quality
- ▶ Reduces Changeover Time

Due to the less demanding PCB support requirements of pick-and-place, AOI and SPI machines, PSI developed the GO!, a cost-effective solution for PCB support using a patent pending, non-locking, resilient pin and polyurethane design. The GO! removes board sag, dampens board bounce, and is entirely hands- and tool-free. Shipped from the factory set to the correct height, the GO! self adjusts and requires no setup, air, power or machine modification. Once placed in the machine, support tooling becomes hassle- and worry-free, making it the most flexible, easy-to-use support tool worldwide.

Design Benefits

Using Production Solutions' patent pending revolutionary design, the GO! needs no setup and dramatically reduces board sag, component damage and board bounce/vibration:

- **Board Sag:** For many manufacturers, board sag is the major process issue with board support. Excessive sag can cause component misplacement, machine error and throughput reduction. The GO! comes from the factory preset at the tooling height of the machine. Providing sufficient support while forming to the contour of bottom-side parts, the GO! supports the board at its flat position.

- **Component Damage:** Incorrect placement of fixed height support tooling can damage underside components as well as cause micro fractures that may not be evident during inspection. However, the GO!'s resistive support design virtually eliminates the risk of component damage.
- **Board Bounce/Vibration:** Vibration and bounce caused by the placement nozzle can introduce placement defects and mis-registration. As components become smaller and boards become thinner, the impact on placement accuracy is magnified by board bounce. Add to that a less forgiving lead-free reflow self-alignment and defects increase significantly. The GO! dramatically reduces bounce and vibration, resulting in higher yields and accuracy.

The GO! is the only board support solution that is able to remove board sag and reset for each board. It combines the board sag removal of fixed height tooling pins with the automation of a reset style support and the bounce/vibration dampening of locking-style compliant board supports.



RED-E-SET GO!



Service

Unlike more expensive support solutions, the GO! can be serviced in-house with inexpensive replacement parts. And with the standard three-year warranty, there will be no expensive repair or downtime.

Protect Your Investment

The GO! body is common for all placement machines and with the simple addition of removable and replaceable standoffs, it can be converted easily and inexpensively to fit almost any placement machine. Like all of the RED-E-SET products, the GO! is proven to reduce changeover times,

improve quality, eliminate component damage and increase revenue once implemented on any AOI pick-and-place, AOI chip shooters or AOI dispensing machines.

Specifications

Length: 16" (400 mm)
Width: 1.33" (33.78 mm)
Height: 1.24" (31.50 mm) Standoffs added as necessary.
Custom sizes available for any dimension.
Below Board Clearance: .442" (11.23 mm)
Pin Count: 62
ESD Safe
Warranty: Three years

Each GO! is shipped to the tooling height of the placement machine using interchangeable standoffs. When ordering, please provide the machine(s) tooling heights.

For more information or to order GO!, contact sales staff at 858-486-1088 or e-mail info@production-solutions.com. Also, be sure to check www.production-solutions.com soon for a completely updated website.

RED-E-SET SZ

The next generation of automated board supports systems, Red-E-Set SZ is an installed self-adjusting board support platform that is completely hands- and tool-free with the addition of the Red-E-Set Autoset or the GO! board support modules.

Installed in a matter of minutes without tools or machine modification, the SZ slide guides attach to the conveyor, keeping the pinned support modules equidistant to one another and providing a consistent, equal support across the board. Additional support modules can be added by simply placing the magnetic-based units on the SZ. The system supports a range of board widths and support lengths up to 24". For maintenance or removal, the SZ simply lifts out.

Once the SZ is installed, there is no need for operator intervention or involvement in the board support area. The SZ provides a worry-free solution that decreases change-over time, improves quality and increases machine uptime.



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