

SPIROL®

PIN INSTALLATION TECHNOLOGY

Model PR Semi-Automatic Pin Inserter

This versatile installation machine is suited for moderate to high production applications requiring up to 1.3 kN (300 lbs.) of installation force. The pin insertion head advances and retracts for ease of loading and unloading of the components to be pinned. The machine's insertion bushing is positioned close to the part for smooth installation.

A vibratory feeder and orientation head transfers the pin from the feeder bowl to the installation position, eliminating the need for the operator to handle the pins. A quick-clear mechanism allows for easy clearing of the feed tube without the need for tools when changing pin size or performing maintenance.

Design Features/Benefits:

- Precise:**
- Fine insertion depth adjustment
 - Dowelled component location
 - Full stroke detection
- Reliable:**
- Cushioned cylinder return stroke
 - Hardened steel tooling
 - Hard coated or stainless steel vibratory feeder bowl
- Versatile:**
- Easily configured to accommodate a variety of applications
 - Adjustable throat height and side-to-side positioning
- Efficient:**
- Automatically delivers the pin to the installation site, eliminating the need for the operator to touch the pin during the entire assembly operation
 - Quick-clear mechanism
- Safe:**
- Dual opto-touch activation with safety relay protects the operator from pinch points
 - Polycarbonate guarding helps protect bystanders without impairing visibility
- Easy to Use:**
- 180mm (7") touchscreen interface with real-time status and fault monitoring
 - Multilingual conversion capability
 - LED work surface illumination



Custom
alignment
fixtures
available.

Optional enhancements include:
Pin presence sensing, force monitoring,
vision system, full perimeter guarding,
ergo-lift table, and more!

SPIROL Model CR Heavy Duty Pin Inserter
available for higher installation forces.

See the Model PR in Action!





Are your operators having difficulty manually installing miniature pins?

Are you experiencing an unacceptable percentage of damaged parts or other quality issues resulting from the installation process?



A significant advantage of the **SPIROL Model PR Pin Inserter** is automatic delivery of the pin to the installation site.

Operators do not need to handle the pin, hold it during installation, or load it into a pin driving chuck.

Productivity is significantly enhanced and installation quality is dramatically improved.

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