

SPIROL[®]

PIN INSTALLATION TECHNOLOGY

Model PR Semi-Automatic Pin Inserter

This exceptionally versatile, vertical installation machine is ideally suited for moderate to high production for applications requiring up to 300 lbs of installation force. A retractable pin insertion head, mounted on a shaft/linear bearing arrangement, moves up and down for ease of loading and unloading of the components to be assembled. The machine's insertion bushing is positioned close to the part for smooth, trouble free installation.

The orientation head transfers the pin from the feeding position to the installation position, and also functions as a selector preventing longer or shorter pins from being installed. A two-position trap door allows easy clear-out of the feed tube without the need for tools.

Design Features/Benefits:

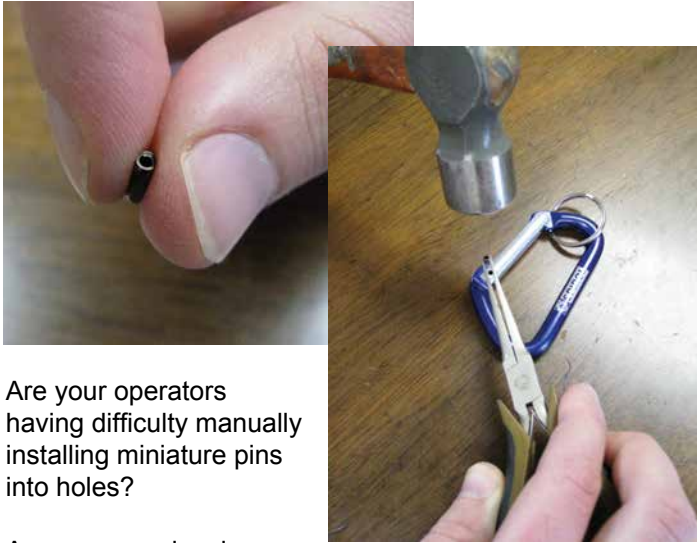
- Precise:**
- Fine insertion depth adjustment
 - Doweled component location
 - Ground base plate to ensure perpendicularity between insertion quill and application
- Built to Last:**
- Cushioned cylinder return stroke
 - Hardened pin guide bushings and hard coated vibratory feeder bowl
- Versatile:**
- Can be easily configured to accommodate a variety of applications
 - Post mount frame design allows easily 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
- Safe:**
- Guarded pinch points and anti-tie down, anti-repeat dual activation sensors (or optional foot switch with integrated finger protection unit)

Optional alignment fixtures available.



Options such as rotary index tables, pin sensing, force monitoring, and drilling and pinning combinations can be added for enhanced productivity and heightened error-proofing.

Applications requiring higher insertion forces would require a **SPIROL Model CR** machine.



Are your operators having difficulty manually installing miniature pins into holes?

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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