

# SPIROL<sup>®</sup>

## 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
  - Doweled 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!

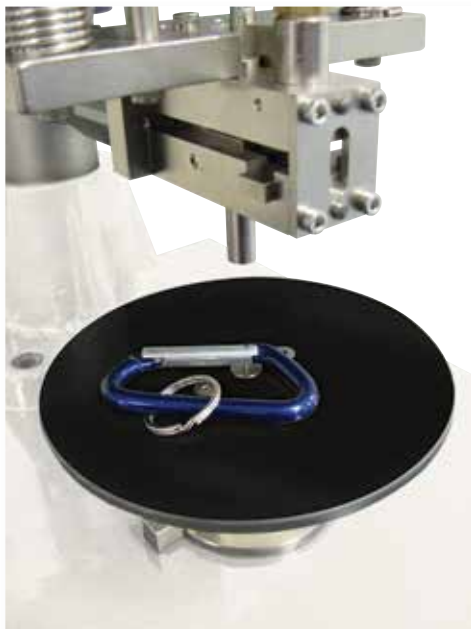




*Are your operators having difficulty manually installing miniature pins?*



*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.

**Americas** **SPIROL Canada**  
3103 St. Etienne Boulevard  
Windsor, Ontario N8W 5B1 Canada  
Tel. +1 519 974 3334  
Fax. +1 519 974 6550

**SPIROL International Corporation**  
30 Rock Avenue  
Danielson, Connecticut 06239 U.S.A.  
Tel. +1 860 774 8571  
Fax. +1 860 774 2048

**SPIROL Shim Division**  
321 Remington Road  
Stow, Ohio 44224 U.S.A.  
Tel. +1 330 920 3655  
Fax. +1 330 920 3659

**SPIROL Mexico**  
Avenida Avante #250  
Parque Industrial Avante Apodaca  
Apodaca, N.L. 66607 Mexico  
Tel. +52 81 8385 4390  
Fax. +52 81 8385 4391

**SPIROL Brazil**  
Rua Mafalda Barnabé Soliane, 134  
Comercial Vitória Martini, Distrito Industrial  
CEP 13347-610, Indaiatuba, SP, Brazil  
Tel. +55 19 3936 2701  
Fax. +55 19 3936 7121

**Europe** **SPIROL United Kingdom**  
17 Princewood Road  
Corby, Northants  
NN17 4ET United Kingdom  
Tel: +44 (0) 1536 444800  
Fax: +44 (0) 1536 203415

**SPIROL France**  
Cité de l'Automobile ZAC Croix Blandin  
18 Rue Léna Bernstein  
51100 Reims, France  
Tel: +33 (0) 3 26 36 31 42  
Fax: +33 (0) 3 26 09 19 76

**SPIROL Germany**  
Ottostr. 4  
80333 Munich, Germany  
Tel: +49 (0) 89 4 111 905 71  
Fax: +49 (0) 89 4 111 905 72

**SPIROL Spain**  
Plantes 3 i 4  
Gran Via de Carles III, 84  
08028, Barcelona, Spain  
Tel/Fax: +34 932 71 64 28

**SPIROL Czech Republic**  
Evropská 2588 / 33a  
160 00 Prague 6-Dejvice  
Czech Republic  
Tel: +420 226 218 935

**SPIROL Poland**  
ul. Solec 38 lok. 10  
00-394, Warsaw, Poland  
Tel. +48 510 039 345

**Asia Pacific** **SPIROL Asia Headquarters**  
1st Floor, Building 22, Plot D9, District D  
No. 122 HeDan Road  
Wai Gao Qiao Free Trade Zone  
Shanghai, China 200131  
Tel: +86 (0) 21 5046-1451  
Fax: +86 (0) 21 5046-1540

**SPIROL Korea**  
16th Floor, 396 Seocho-daero,  
Seocho-gu, Seoul, 06619, South Korea  
Tel: +82 (0) 10 9429 1451

e-mail: [info-ca@spirol.com](mailto:info-ca@spirol.com)