

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
 - 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!



SPIROL®

Installation Made Easy

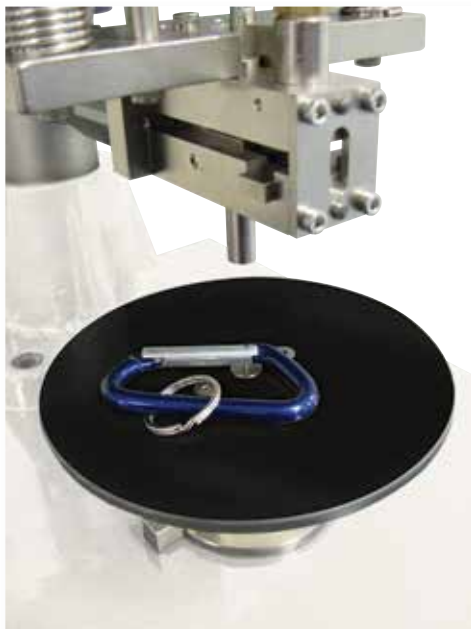
Technical Centers



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

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@spirol.com

SPIROL.com