

SPIROL®

PIN INSTALLATION TECHNOLOGY

Model PR Semi-Automatic Pin Inserter

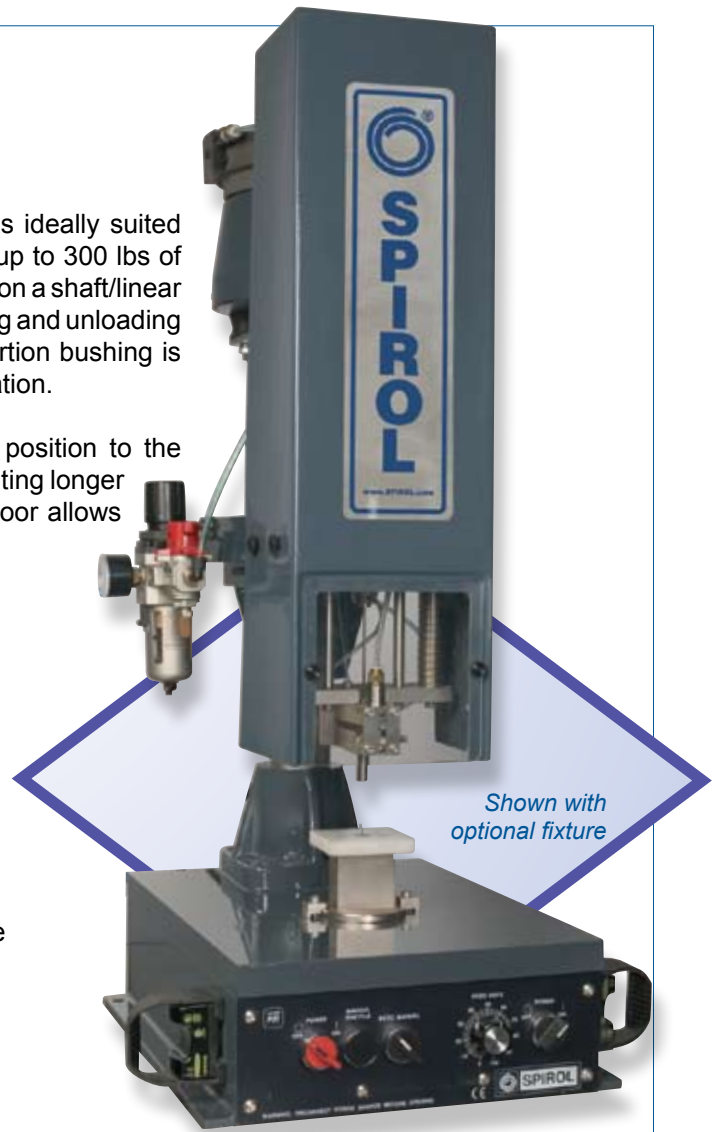
This exceptionally versatile, vertical installation machine is ideally suited for moderate to high production for applications requiring up to 300 lbs of installation force. A retractable pin insertion head, mounted on a shaft/linear bearing arrangement, moves up and down for ease of loading and unloading 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.



Shown with optional fixture

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.

SPIROL®

Installation Made Easy



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.



Shown without guard.



U.S.A. **Spirol International Corporation**
30 Rock Avenue
Danielson, Connecticut 06239
Tel. 860.774.8571 Fax 860.774.2048

Spirol West Inc.
1950 Compton Avenue, Unit 111
Corona, California 92881-6471
Tel. 951.273.5900 Fax 951.273.5907

**Spirol International Corporation
Shim Division**
321 Remington Road
Stow, Ohio 44224
Tel. 330.920.3655 Fax 330.920.3659

Spirol Distribution
30 Rock Avenue
Danielson, Connecticut 06239
Tel. 800.321.4679 Fax 860.774.0487
(For Distributor Customers)

Canada **Spirol Industries, Ltd.**
3103 St. Etienne Boulevard
Windsor, Ontario
Canada N8W 5B1
Tel. 519.974.3334 Fax 519.974.6550

Mexico **Spirol México, S.A. de C.V.**
Carretera a Laredo KM 16.5 Interior E
Col. Moisés Saenz
Apodaca, N.L. 66613 México
ó Apdo. Postal 151 de Apodaca, N.L.
Tel. (81) 8385 4390 Fax (81) 8385 4391

Europe **Spirol Industries, Ltd.**
Princewood Road
Corby, Northants
England NN17 4ET
Tel. 44 (0) 1536 444800
Fax 44 (0) 1536 203415
(For Distributor Customers)
Tel. 44 (0) 8003 890034

Spirol SAS
Rue Henri Rol Tanguy
Z.A. Les Naux
51450 Bétheny
France
Tel. 33 (0)3 26 36 31 42
Fax 33 (0)3 26 09 19 76

Spirol GmbH
Briener Strasse 9
80333 Munich
Germany
Tel. 49 (0) 931 454 670 74
Fax. 49 (0) 931 454 670 75

Asia Pacific **Spirol International Engineered
Fastener Trading Co. Ltd.**
No. 11 Xi Ya Rd. North
Section A, 1F, Building 14
Wai Gao Qiao Free Trade Zone
Shanghai, China 200131
Tel. (8621) 5046 1451/1452
Fax (8621) 5046 1540

e-mail: info@spirol.com

SPIROL.com

Challenge Us!

Request a free **SPIROL Automation CD-ROM** that demonstrates the Pin Inserters in operation, presents their versatility, and lists cost-effective options available for your application.