

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.

Technical Centers

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

SPIROL United Kingdom
17 Princewood Road
Corby, Northants
NN17 4ET United Kingdom
Tel. +44 1536 444800
Fax. +44 1536 203415

SPIROL Germany
Ottostr. 4
80333 Munich, Germany
Tel. +49 89 4 111 905 71
Fax. +49 89 4 111 905 72

SPIROL Spain
08940 Cornellà de Llobregat
Barcelona, Spain
Tel. +34 93 669 31 78
Fax. +34 93 193 25 43

SPIROL Czech Republic
Sokola Tůmy 743/16
Ostrava-Mariánské Hory 70900
Czech Republic
Tel/Fax. +420 417 537 979

SPIROL Poland
ul. Solec 38 lok. 10
00-394, Warszawa, 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 21 5046 1451
Fax. +86 21 5046 1540

SPIROL Korea
160-5 Seokchon-Dong
Songpa-gu, Seoul, 138-844, Korea
Tel. +86 (0) 21 5046-1451
Fax. +86 (0) 21 5046-1540