

# SPIROL®

## PIN INSTALLATION TECHNOLOGY

### Model PMX Extra Heavy Duty Manual Pin Inserter

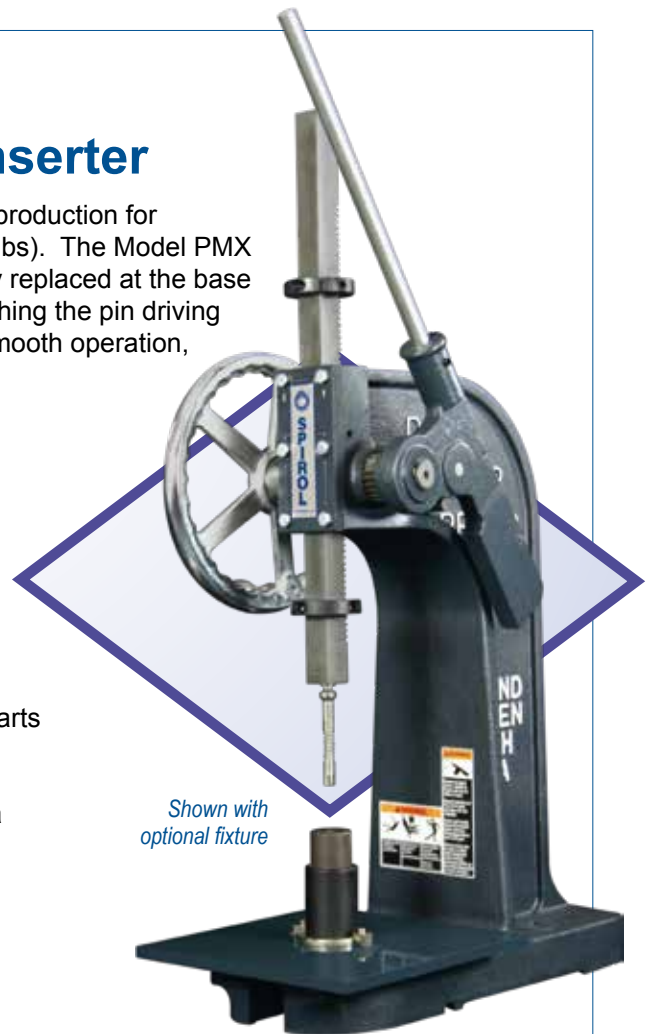
This versatile tool is ideally suited for low to moderate levels of production for assemblies that require installation forces up to 26.6 kN (6,000 lbs). The Model PMX easily accommodates quick change-overs. The fixture is simply replaced at the base of the machine, and the pin diameter is easily changed by switching the pin driving chuck. This extra heavy duty manual pin inserter will provide smooth operation, repeatability and durability.

#### Design Features/Benefits:

- Easy:**
- Ergonomic high mechanical advantage ratchet action
  - Simple and quick tool changeover
- Accurate:**
- Positive mechanical stroke stop for precise, repeatable installation depth
- Reliable:**
- Heavy duty cast iron frame
  - Hardened steel rack, pinion, and pawl
- Versatile:**
- Throat height accommodates a large array of parts
  - Rapid ram advance and retract accommodates many different size and shape parts
  - Precision ground oversize baseplate provides a large area for mounting part tooling
- Capacities:**
- Accepts both CXA and CXD pin driving chucks
  - 26.6 kN (6,000 lbs) maximum insertion force
  - Stroke: 380mm (15") in 50mm (2") increments
  - Adjustable throat height: 300mm (12")
  - Fixed throat depth: 125mm (5")

#### Simple Operation:

1. Load the part to be pinned into a holding fixture on the baseplate
2. Place a pin into the jaws of the pin driving chuck
3. Using the handwheel, advance the pin driving chuck to within 2mm (.078") of the hole in the host component
4. Pull the lever to the preset positive stop
5. Release the lever
6. Using the handwheel, return the pin chuck to the full up position
7. Unload the finished assembly



Shown with optional fixture

Easily accommodates  
**SPIROL Pin-Driving Chucks:  
CXA, CXD**

CXA/CXD





**Innovative fastening solutions.  
Lower assembly costs.**

## 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 93 193 05 32  
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

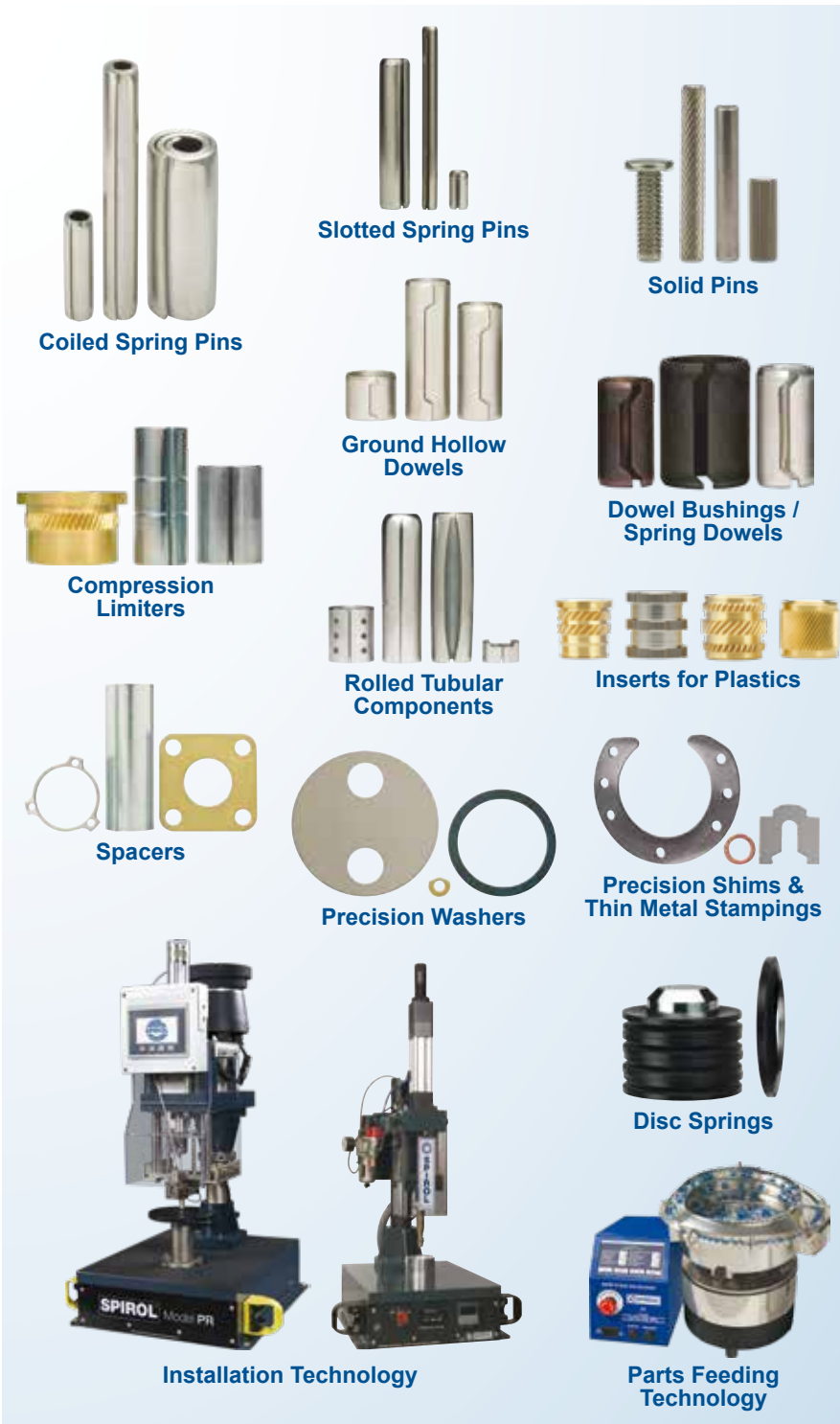
### Asia Pacific

**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

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

**SPIROL.com**



Please refer to [www.SPIROL.com](http://www.SPIROL.com) for current specifications and standard product offerings.

**SPIROL** Application Engineers will review your application needs and work with you to recommend the optimum solution. One way to start the process is to visit our **Optimal Application Engineering** portal at **SPIROL.com**.