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
- Accepts both CXA and CXD pin driving chucks

Capacities:
- 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

See the Model PMX in action: https://youtu.be/9wSxmfcvgXc
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.