

# PEM SERTER<sup>®</sup> SERIES 2000<sup>®</sup> WITH DUAL BOWL AND QX<sup>™</sup> TURRET TOOL SYSTEM

The dual bowl expansion cart option and the QX<sup>™</sup> Turret Tool system for use on the PEM SERTER<sup>®</sup> Series 2000<sup>®</sup> automatic fastener-installation press system provide a quick and efficient method to quickly change between anvil tools while handling the work piece to install different fasteners. With the use of the second bowl on the expansion cart and the QX<sup>™</sup> Turret Tool System, you can install up to four different fasteners; two in automatic feed mode, and two in manual feed mode. A third bowl on a second expansion cart can also be added for appropriate applications.

## *Features and Benefits*

- ▶ Four position color-coded, two positions are auto-feed, remaining two manual load with color-coded fastener tray.
- ▶ Touch screen setup for all four stations including selection of installation force and number of fasteners to be installed per work-piece.
- ▶ Only good installs are counted. Once set-up, the job will not allow you to install a fastener out of sequence. Operator is notified by visual and/or audible signal to rotate turret to next location or that the work-piece is complete per the job set-up.



The Series 2000 press utilizes a programmable logic controller and a menu-driven touch screen operator interface system, in eleven available languages. Touch screens allow for quick-run-set-up, easy operator training, and precise fastener installation setups. They also allow the operator to instantly adjust installation variables such as dwell time and installation force and automatically alert and direct the operator to any safety or system faults for quick diagnosis.

The Series 2000 press has a unique patented LightStream® Operator Safety System. It is a wireless, fail-safe system which utilizes a pair of infrared beams that immediately detect when the main ram contacts any object, metallic or non-metallic, that should not be in its path. The LightStream system provides a fast, precise, and reliable safety system that ensures ram force is only applied to fasteners during installation.



## Press Specifications

|                       |   |
|-----------------------|---|
| Ram Force             | 1.8 to 71.2 kN / 400 to 16,000 lbs.                               |
| Pressure System Type  | Air-Over-Oil  |
| Electric Requirements | 120V 60 Hz 4A or<br>230V 50Hz 2A single phase                     |
| Air Requirements*     | 6 to 7 BAR / 90 to 100 PSI<br>12 mm / 1/2" dia. minimum line flow |
| Throat Depth          | 61 cm / 24"   |
| Height                | 193 cm / 76"  |
| Width                 | 92 cm / 36"   |
| Depth                 | 126 cm / 49.5"  |
| Weight                | 1,135 kg / 2,500 lbs.   |

\*1 psi = 0.07 bar. 1 bar = 14.5 psi.



## Cart Specifications

|                       |                            |
|-----------------------|----------------------------|
| Electric Requirements | 120V 60Hz or 230V 50Hz     |
| Air Requirements*     | 6 to 7 BAR / 90 to 100 PSI |
| Height                | 128.3 cm / 50.5"           |
| Width                 | 47.31 cm / 18.625"         |
| Depth                 | 77.8 cm / 30.625"          |
| Weight                | 100 kg / 220 lbs.          |

\*1 psi = 0.07 bar. 1 bar = 14.5 psi.

**PennEngineering®**



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