



# SERIES 3000™

## AUTOMATIC INSERTION PRESS

The PEMSERTER® Series 3000™ automatic feed fastener-installation press can install self-clinching fasteners up to 30% faster than traditional systems to deliver comparable productivity gains. This press provides **71.2 kN / 8 tons of force and a 61cm / 24" throat depth** and has full servo electromechanical actuation technology to provide significant improvement in operating consistency, improved reliability, increased efficiencies and minimized maintenance. Total elimination of hydraulic fluids provides an environmentally friendly system.

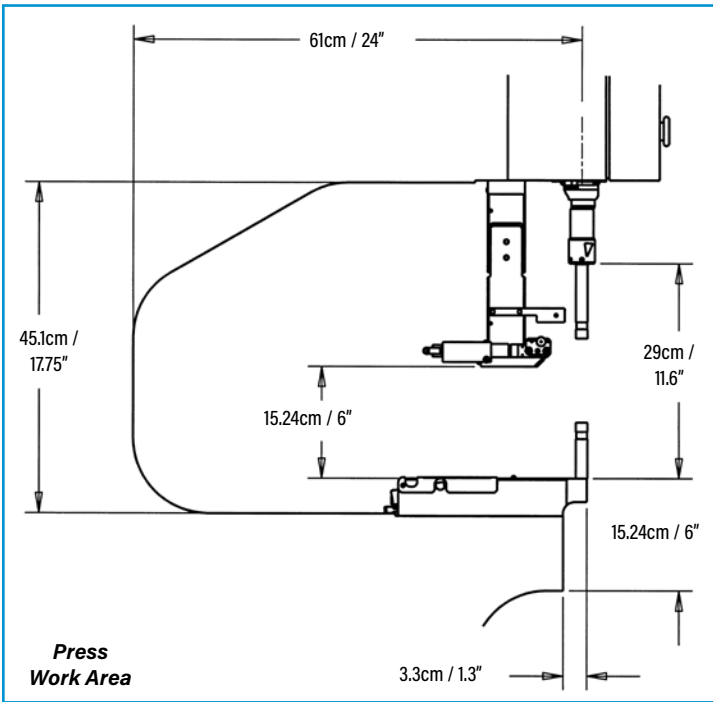
### Featuring Full Servo Electromechanical Actuation Technology

#### FEATURES AND BENEFITS

- **“Optimized Motion Profiles”:** Eliminates need for “dwell time” and provides optimal fastener insertion.
- **PC Based Programming.** Push button, menu driven, touch screen control system.
- **Robot Ready.** Robot interface is standard.
- **Remote Monitoring.** Monitoring and troubleshooting through ethernet compatibility.
- **Data Logging.** Internal data for force and distance is measured and stored within the machine. Data collected can be downloaded to Windows operating platforms for documentation purposes.
- **Multiple Pictures of Single Workpiece.** Digital pictures of workpiece for clarification of insertion points.
- **Multi Language Capable.** Screen commands standard in twelve languages.
- **Technical Videos.** Pre-loaded on-screen video instructions for machine set-up and tooling changeover.



*Press shown with optional auto-feed tooling package and optional motorized QX™ tooling.*



## SPECIFICATIONS

Ram Force	1.8 to 71.2 kN / 400 to 16,000 lbs.
Control System	PC. Based
Ram Drive	Servo Electromechanical Actuator
Electric Requirements	240-250VAC, 60Hz, 20A, single phase or 240-250VAC, 50Hz, 20A, single phase
Air Requirements*	6 to 7 BAR / 90 to 100 PSI 6mm / 1/4" dia. minimum line flow
Throat Depth	61cm / 24"
Height	208cm / 82"
Width	92cm / 36"
Depth	126cm / 49.5"
Weight	1,235 kg / 2,725 lbs.

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

The Series 3000 press introduces "clean" technology without hydraulics to install all types of self-clinching fasteners rapidly, accurately, and permanently. The electromechanical servo drive optimizes ram function to achieve ideal and repeatable speed and force for proper fastener installation.

Among features, PC-based programming interfaces with Windows operating platforms for job versatility and customization. Menu-driven touch-screen controls, descriptive screen alerts, and an on-screen multi-media instructional videos contribute to user-friendly operation and quick learning. Data logging capabilities allow for performance monitoring. A patented LIGHTSTREAM® Operator Safety System provides a continuous safeguard by ensuring ram force is applied only to fasteners.



All auto feed tooling used on the Series 2000 press can be used on the Series 3000 press.



Regulatory [compliance information](#) is available in Technical Support section of our website. Specifications subject to change without notice. See our website for the most current version of this bulletin.

**PennEngineering®**



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