

Precision Fastening System

PF-301 Data Sheet

General Description

The PF-301 is a standard platform for precision fastening applications that require sophisticated torque and angle control. It meets customer needs for lower cost, improved capability, and minimum floor space. The machine can be also be retooled and reused if product requirements change.

The PF-301 Series features an EH-2 Series tracer arm as well as a transducerized, DC electric torque control screwdriver/nutrunner that works with sophisticated controllers for applications covering a torque range from 10 to 310 in.-lb. (1 to 35 Nm) across the full range of equipment.

Additional features of the PF-301 include a built-in PLC control with ladder logic creation, monitoring and storage capability. Programmable I/O and data collection enable stringent specifications to be met with ease and to be changed, should the necessity arise. History and monitoring functions record fastening results, torque curves and system error data.

The PF-301 has been developed to meet the needs of manufacturers requiring tight tolerances, high levels of error-proofing and traceability at a low to medium cost in a variety of assembly operations.

Warranty

The AMS PF-301 carries a one-year warranty on all commercial components, for any defects in materials or workmanship.

Note: This warranty applies to equipment purchased and operated in the United States. For warranty information on units purchased and/or operated outside the U.S. contact your local representative.

Electrical Specifications

Power Requirements: 115V AC, 60 Hz, 15A

Mechanical Specifications

Pneumatic Requirements:

Clean, dry, non-lubricated air at 60 psi minimum.

Machine Dimensions: 30" x 35" x 72"

Work Table Height: Configurable

Note: Dimensions are approximate. All specifications subject to change without notice.

Ordering Information

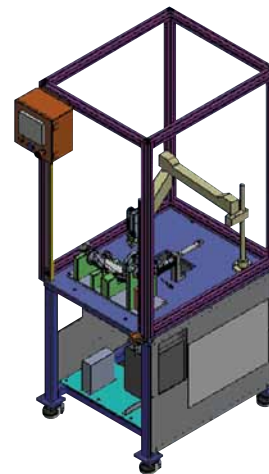
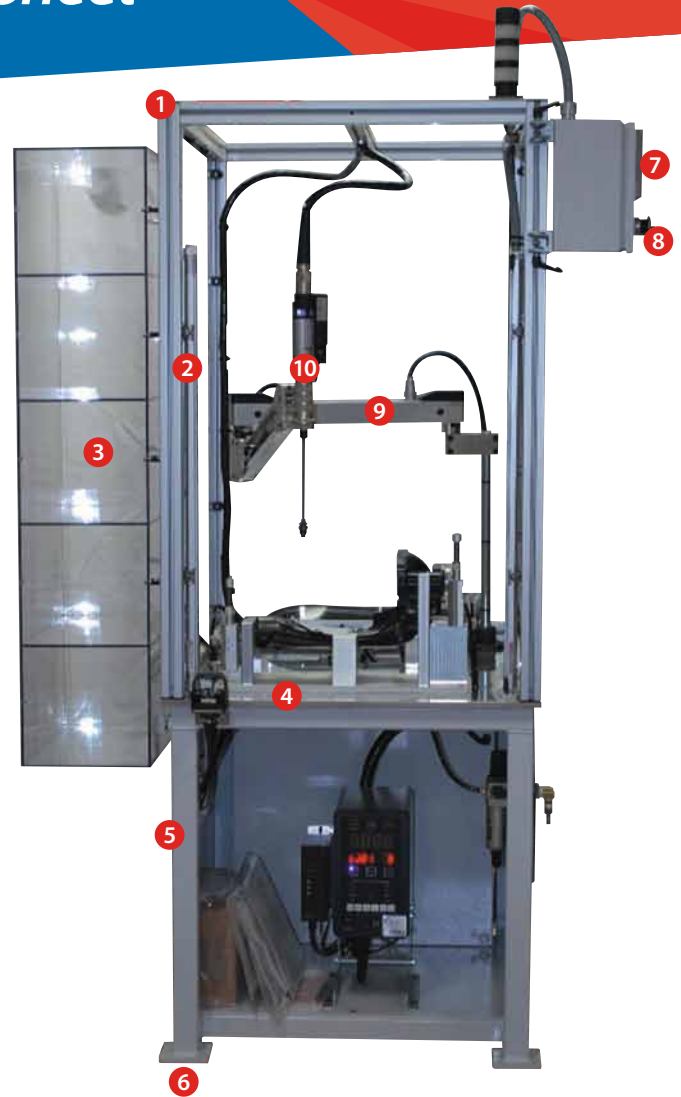
Note: All sales shall be subject to the Supplier's terms and conditions of sale as described in AMS's quotations and sales contracts.

The PF-301 may be ordered as base unit only to accept the user's custom fixturing, or as a complete system, tooled and ready to run. Please call or email for pricing.

Base unit includes: Keyence light curtain, Allen-Bradley buttons, Omron PLC, SMC pneumatics, Proface HMI.

Options

Available Options Include: Lexan containment system



- 1 Attractive upper aluminum frame with Lexan panels.
- 2 Light curtains for operator safety.
- 3 Optional defective part containment system.
- 4 Removable tooling plate.
- 5 Sturdy tubular steel frame base.
- 6 Adjustable, lockable casters. (Not Shown)
- 7 HMI for operator messaging, machine setup, and advanced controls.
- 8 Operator controls for cycle start, machine reset, and emergency stop.
- 9 ASG EH-2 Series tracer arm for error proofing.
- 10 ASG spindles with X-PAQ™ torque and angle controllers.