

# ELECTRO-MECHANICAL ASSEMBLY PRESS

## EMAP 500kN

The Promess 500kN Electro-Mechanical Assembly Presses (EMAP) possess very robust mechanics including a press housing, ball gear drive, force transducer, axial bearing, press ram and AC-servo motor. The Promess EMAP 500kN offers an advantage as it features an integrated force and distance monitoring system for optimal quality assurance. The process is analyzed by the monitoring and documentation of several process values delivered over Profibus.

### **EMAP 500kN**

Force: 500kN

Stroke: 400mm

Speed: 75mm/s

Dimensions: 1469mm x 771.5mm x 395mm

Weight: 3,000lbs



### **FEATURES AND BENEFITS**

- + Flexibility
- + Move to a position/force
- + Move to an external sensor
- + External signals can include: force, position, flow, pressure, temperature, etc.
- + Gauging functions
- + Signature monitoring
- + Data acquisition and storage
- + Network multiple part programs
- + Measuring capability in both directions
- + Easy programming

### **EMAP INCLUDES**

- + Ball screw servo driven press head
- + Integrated force transducer
- + Preamplifier
- + Servo motor and amplifier
- + Promess motion controller with Windows® based software
- + Cables
- + Enclosure

### **OPTIONS**

- + PC with MS Windows® – based software
- + External position transducers
- + Additional load cell ranges
- + Additional sensor integration (pressure, flow, temperature, etc.)

### **MONITORING CAPABILITIES**

- + Force/position signature monitoring
- + Force signature is learned by a teach-in process
- + Adjustable process limits and tolerances
- + Display of force/position graphs, zooming and printing
- + Gauging functions
- + Data acquisition and storage

**PROMESS**

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