Assembly Servo Press

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❖ If you need to Push, Pull, Position, Monitor and Control Every Aspect of your Assembly Process, F.S.P has the Solution for you. The F.S.P Servo Press Combines our Servo-Controlled Ball Screw Press Technology with our Multi-Axis Motion Control System to Provide a High Precision, Closed Loop Press System

❖ Main Features:

➢ Ball screw Design that Features Dynamic Press Load Capacity 2.5 to 3 times greater than the Stated Load Capacity

➢ The Size and Power of the Servo System is such that it Provides the Ability to Reach the Maximum Load During the

   Continuous Process

➢ Integrated Load Cell

➢ Push or Pull with Equal Accuracy

➢ 360° Mounting Orientation

➢ 5-Row Bearing Arrangement with High Load Bearing Capacity

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Press Sizes

F.S.P.EMAP Model	Force	Travel	Speed
kN	kN	mm	mm/sec
EMAP 10 kN	10	150	70
EMAP 30 kN	30	180	70
EMAP 100 kN	100	250	70
EMAP 300 kN	300	300	40

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Sample Applications:

Press to Position
- Press to a programmable position
- Press to external sensor
- Press to torque
- Press to offset

Press to Shoulder
- Press to a programmable force
- Press to rate of change
- Gauge and press to shoulder
- Guage force and position

Press to External Transducer
- Press to dimension (external probe)
- Press to flow
- Press to external force
- Press to torque

Riveting
- Upset rivet to a force
- Upset rivet to a position
- Upset rivet to a relative dimension on the part
- Upset rivet to a functionality specification

Spring Testing
- Measure spring rate
- Measure spring height at defined force
- Measure spring free height
- Measure spring retention

Crimping / Staking
- Crimp to a programmable force
- Crimp to a relative distance from a touch point
- Stake to a dimension
- Single or multiple staking points

Forming
- Press and hold a constant force
- Press to position

Bending / Forming Straightening
- Bend/form/straighten to an external measure