

EP70M

Servo-motorized CNC Multi-Platen Powder Press for Highest Demands on Productivity and Parts Quality



Advantages

- High precision and productivity
- Modular multi-level pressing system
- Modular tool carrier with mechanically adjustable positive stops in pressing position
- Very precise closed-loop position control
- High-resolution closed-loop force control
- Intuitive operation
- Low energy consumption
- Installation at ground level without pit
- Compatible with DORST IoT Solutions

Technical information

- Pressing force: 700 kN
- Upper punch travel: 300 mm
- Holding force of die up to: 300 kN
- Withdrawal force of die up to: 300 kN
- Travel upper levels: 50 mm
- Travel lower levels: 150 mm
- Filling height: 150 mm
- Core rod travel: 150 mm
- Positioning accuracy of main drives: $\pm 0,001$ mm

Keyfacts

- Highly dynamic axis drives
- Precision force measurement
- Precise closed-loop force control
- Closed-loop controlled upper punch hold-down
- Intuitive programming and operation
- Very low noise emission
- Intelligent energy management system
- Low carbon footprint
- TCO optimized

Characteristics

- Modular interchangeable tool carrier system
- Up to 3 upper and lower tool levels
- Backlash-free crosshead guide
- Servo-motorized closed-loop controlled core rod
- Servo-motorized closed-loop controlled filler axis
- Max. 3 filler axes
- Low maintenance
- Installation at ground level
- Ergonomic design

Technologies

- Withdrawal process
- Tool positioning system
- IPG® support
- DTS - DORST Tool Setup
- Automation systems
- Multi-material filling technology
- 3D filling
- Network-compatible
- DORST IoT Solutions