

EP16 ULTRA digital

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



Advantages

- Maximum precision and productivity
- Very precise closed-loop position control
- High-resolution closed-loop force control
- Intuitive operation
- Encapsulated working area
- Low energy consumption
- Small footprint
- Compatible with DORST IoT Solutions

Technical information

- Pressing force: 160 kN
- Upper punch travel: 210 mm
- Holding pressure of die: 80 kN
- Withdrawal force of die: 80 kN
- Filling height, withdrawal principle: 130 mm
- Core rod travel: 130 mm
- Positioning accuracy of main drives: $\pm 0,001$ mm

Keyfacts

- Highly dynamic axis drives
- Force-relieved frame
- Precision force measurement
- Precise closed-loop force control
- Extremely sensitive closed-loop controlled upper punch hold-down
- Quick tool change
- Encapsulated working area
- Intuitive programming and operation
- Very low noise emission
- Intelligent energy management system
- Low carbon footprint
- TCO optimized

Characteristics

- Backlash-free crosshead guide
- Servo-motorized closed-loop controlled core rod
- Servo-motorized closed-loop controlled filler axis
- Low maintenance
- Installation at ground level
- Low overall height
- Easy product change
- Ergonomic design

Technologies

- Withdrawal process
- Quick-action tool clamping systems
- Pneumatic release mechanism
- Core rod rotary module
- Lower punch rotary module
- IPG® support
- DTS - DORST Tool Setup
- Automation systems
- Multi-material filling technology
- Network-compatible
- DORST IoT Solutions