

EP15X

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



Advantages

- High precision and productivity
- Extended workspace
- 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:	150 kN
Upper punch travel:	180 mm
Holding pressure of die:	100 kN
Withdrawal force of die:	100 kN
Filling height:	80 mm
Core rod travel:	100 mm
Positioning accuracy of main drives:	±0,001 mm

Side compaction module

Pressing force:	80 kN
Travel max.:	20 mm
Positioning accuracy:	±0,001 mm

Keyfacts

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

Characteristics

- Backlash-free crosshead guide
- Up to 6 servo-motorized closed-loop controlled transverse drives
- Central or tangential orientation of the transverse drives
- Servo-motorized closed-loop controlled core rod
- Servo-motorized closed-loop controlled filler axis
- Low maintenance
- Installation at ground level
- Ergonomic design

Technologies

- Withdrawal process
- Cross hole
- Side compaction
- Split die
- Quick-action tool clamping systems
- IPG® support
- DTS - DORST Tool Setup
- Automation systems
- Network-compatible
- DORST IoT Solutions