

EP30X

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: 300 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: $\pm 0,001$ mm

Side compaction module

- Pressing force: 80 kN
- Travel: max. 20mm
- Positioning accuracy: $\pm 0,001$ 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

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

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