

TPA500/5e HP



Advantages

- Power-on-demand system for main axes
- High mechanical and electrohydraulic rigidity
- Central support of all platens in pressing position
- Intelligent Program Generator IPG® to support the powder pressing process
- Netshape® technology
- Short set-up times due to automatically interchangeable die sets
- Low energy consumption
- Compatible with DORST IoT Solutions

Technical information

- Pressing force: 5000 kN
- Positioning accuracy upper main axis: +/- 0.005 mm
- Upper main axis travel: 350 mm
- Holding force of die up to 1000 kN (Option: 2000 kN)
- Withdrawal force of die up to 1000 kN (Option: 2000 kN)
- Filling height: 250 mm
- Core rod travel: 130 mm

Keyfacts

- Optimum drivetrain for 350t-2000t
- High speed
- High precision
- Reduction of the operating fluids
- Extreme low energy consumption
- Low noise level
- Improved usability

Characteristics

- Upper ram and lower ram (die) with electrohydraulic servo-driven pumps
- Electro servo filler
- Usage of the well-known hydraulic multi-platen die set HMA500/2
- Max. 4 upper and 4 lower levels plus core rod
- 6-axes robot for pick & place
- Compatible with /3HP and /4HP presses

Technologies

- Withdrawal process
- Multi-level press
- Interchangeable die set system
- New Visualization: DVS®2.0
- Netshape® technology
- Network-compatible
- Dorst IoT Solutions
- Use of helical gear modules
- Inline process control by means of height measurement