PI60/4

Multi-Purpose Isostatic Powder Press for the Production of Shafts, Axes, Tubes, Bushings, Pistons, Insulators, Nozzles, Spark Plug Bodies, Spheres etc.

Advantages

- Multi-purpose isostatic powder press
- Tool system up to 8 tool cavities (depending on the parts)
- Closed-loop controlled isostatic pressure intensifier
- Versions featuring the standard pressure stages 600, 1200, 2000 bar
- Compatible with the tool system of its tried-and-tested predecessor PI60/2
- Fully automatic part removal by robot
- Capable of being expanded to modular production cell system TWIN CELL

Technical information

- Closing force: max. 600 kN
- Isostatic pressure: max. 2000 bar
- Safe pressing medium water emulsion: < 1000 ml
- Isostatic tool system with up to 8 tool cavities
- Noise emission of hydraulic system: < 70 dB(A)
- SIEMENS PLC

Keyfacts

- Closed-loop controlled closing cylinder
- Closed-loop controlled pressure build-up and reduction
- Tools compatible with PI60/2
- State-of-the-art visualization system featuring graphic support
- Ultra-quiet hydraulic system
- Pressing techniques 'Ejection' and 'Extraction from above' included as standard

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Characteristics

- Improved tool change
- Simple setting of dosing volume
- Robot for parts removal
- Fully automatic production
- Flexible layout possibilities
- Possibility to expand to production cell TWIN CELL
- Network-compatible
- Suitable for remote maintenance

Technologies

- Volumetric powder dosage
- Gravimetric powder dosage
- CIP procedure
- Drybag dies
- Pressing techniques 'Extraction from above'
- Pressing technique 'Ejection'
- Pressing technique 'Filling around the core rod'
- Pressing technique 'Pin retraction'

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