

IPM50

Isostatic Powder Press for Thin, Heavy Rods and Thick-Walled Tubes



Advantages

- Isostatic forming for heavy structural components
- Powder filling system, tailored to the geometry of the part
- Fully automatic part removal by robot
- Modular production cell system TWIN CELL
- Efficient use of space due to centralized supply units

Technical information

- Closing force: max. 500 kN
- Isostatic pressure: max. 2000 bar
- Safe pressing medium water emulsion: < 1000 ml
- Isostatic monoblock tool Length of part: up to max. 450 mm
- SIEMENS PLC

Keyfacts

- Closed-loop controlled closing cylinder
- Closed-loop controlled pressure build-up and reduction
- Each module equipped with its own pressure intensifier
- Demolding by 'Ejection'
- Individual control and visualization system for each module
- Tool change during operation possible for each module

Characteristics

- Basic module with centralized sub-assemblies
- Possibility to expand to production cell TWIN CELL
- Robot for parts removal
- Fully automatic production
- Flexible layout possibilities
- Network-compatible
- Suitable for remote maintenance

Technologies

- Volumetric powder dosage
- Gravimetric powder dosage
- Process control by means of weighing
- CIP procedure
- Elastic dies with integrated sealing lip
- Fully automatic tool cleaning systems