

PHT200

Isostatic Powder Press for Tableware



Advantages

- Precision and durability
- Energy efficiency
- Productivity
- Flexibility

Technical information

- Closing force: 2000 kN
- Isostatic pressure: 300 bar

Pressing heads

- Number: 2

Pressing tools

- Number: 2 (1 tool per pressing head)

Maximum size of article (pressed, green)

- Round mugs (diameter): max. 160 mm
- Article height: max. 120 mm

Output

- Round mugs (depending on granular material and article shape): approx. 300 - 400 pcs/h
- Non-circular mugs (depending on granular material and article shape): approx. 250 - 350 pcs/h

Fettling machines

- can be combined with robot fettling systems RPT1 for circular and non-circular articles

Keyfacts

- Strong closing cylinder with centered clamping platens and tool locating blocks for permanent precision;
- Powerful vacuum and compressed air filling system (optional) for quick and safe filling of all kinds of article geometries
- Closed-loop controlled pressure intensifier for the isostatic pressure (optional) including filling monitoring of the pressing tool (empty pressing/double pressing)
- Field-tested usability

DORST tool system

- Hydraulic pre-compaction of the granules.
- Adjustment of the thickness of the article layer during operation
- Long service life of the membranes
- Easy tool change due to centered tool halves

Characteristics

- Tool change crane (optional) for simple tool change
- Sound insulation (optional) for improved occupational health and safety
- Dust extraction (optional) for improved occupational health and safety
- Service router (optional) for quick remote support provided by our DORST Customer Service Office

Technologies

- Isostatic pressing of ceramic granules
- Vacuum filling and filling of the pressing tools under compressed air
- Filling monitoring of the pressing tools
- Hydraulic pre-compaction of the pressing granules