GFZ3

Isostatic Powder Press for Tableware

Advantages

- Precision and durability
- Energy efficiency
- Productivity
- Tailored to our DORST tool systems
- Flexibility

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Illustrations may contain options. Technical changes and errors excepted

Technical information

- Closing force: 7000 kN
- Isostatic pressure: 300 bar

Pressing head

- Number: 1

Pressing tools

- Number: 3

Maximum size of article (pressed, green)

- Circular articles (diameter): max. 480 mm
- Square articles (side length): max. 410 x 410 mm
- Oval articles (length x width): max. 550 x 410 mm
- Rectangular articles (length x width): max. 505 x 355 mm
- Article height: max. 275 mm

Output

- circular articles (depending on granular material and article shape): approx. 225 - 300 pcs/h
- Non-circular articles (depending on granular material and article shape): approx. 150 - 200 pcs/h

Fettling machines

- can be combined with robot fettling systems RUP3 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

- Static pre-compaction of the granules.
- Optimum use of the membrane space (energy efficiency)
- Adjustment of the thickness of the article layer during operation
- Long service life of the membranes

Quick and easy tool change due to centered tool halves

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Characteristics

- 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
- Static pre-compaction of the pressing granules

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