PH450neo

Isostatic Press for Tableware

Advantages

- High energy efficiency
- Lower operating costs
- Maximum precision and productivity
- Excellent process quality
- Reduced footprint and low noise levels

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Technical information

- Closing force: 4500 kN
- Isostatic pressure: 300 bar

Pressing heads

- Number: 1

Pressing tools

- Number: 1

Maximum size of article (pressed, green)

- Circular articles (diameter): max. 410 mm
- Square articles (side length): max. 340 x 340 mm
- Oval articles (length x width): max. 440 x 340 mm
- Rectangular articles (length x width): max. 435 x 305 mm
- Article height: max. 130 mm

Output

- Circular articles (depending on granular material and article shape): approx. 350 - 500 pcs/h
- Non-circular articles (depending on granular material and article shape): approx. 250 - 400 pcs/h

Fettling machines

- can be combined with rotary table fettling machines PMR2R and PMR2 for circular and non-circular articles
- Can be combined with robot fettling systems RUP3/4 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
- Suited to all standard market tool systems

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

Characteristics

- Stripping device for deep articles (optional)
- 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
- Static pre-compaction of the pressing granules