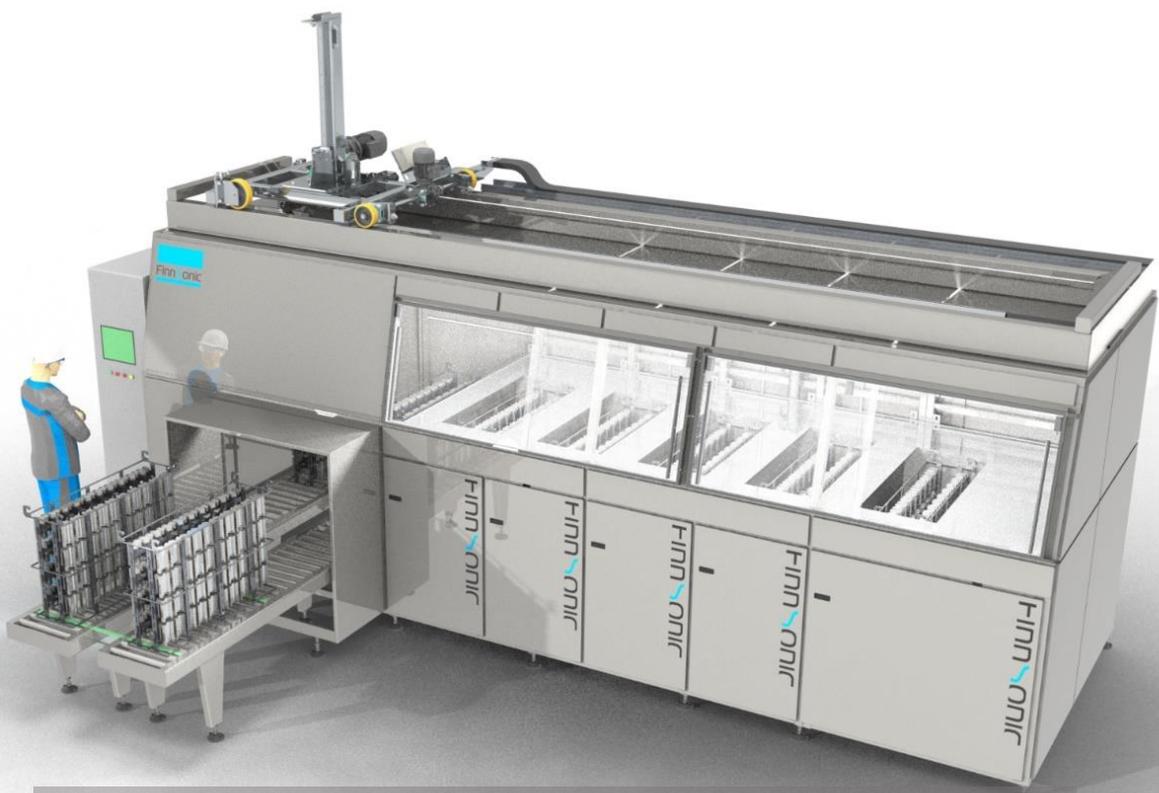


FinnSonic

FINN SONIC

High Capacity Glass Mould Cleaning



cleaner • safer • smarter

FinnSonic Cleaning Solutions for Glass Container and Tableware Moulds

Clean moulds are essential for high quality, efficiency of production and economic savings.

The conventional mechanical and manual mould cleaning methods are slow and labour intensive, even abrasive or destructive to the mould surface.

Contamination on moulds in glass production

- ✓ Burnt-on-swapping compounds
- ✓ Oxide
- ✓ Graphite
- ✓ Polishing media residues

Ultrasonic cleaning removes stubborn contamination from mould parts made of cast iron, bronze and stainless steel. It cleans e.g. cavities, cooling channels, vacuum channels and pin vents on mould halves, bottom plates, baffles, plungers, neck rings and guider rings. Ultrasonic cleaning methods are applicable also for maintenance cleaning of the forming machine parts.



Glass moulds before washing (left), cleaned with ultrasound (middle) and sand-blasted (on the right).

*Even the pin vents get cleaned with FinnSonic mould cleaning solution!
>95% unclogging of pin vents with automatic cleaning process.*



Automated FinnSonic Optima Ultrasonic Cleaning line improves quality and saves costs

FinnSonic Optima is the top-of-the-line, high performance ultrasonic cleaning line. Its proven construction meets stringent requirements for cleanliness, productivity and reliability. The flexible automation adapts to processing of different materials, sizes and contamination.

Up to 40% cost saving in mould gear repair is reported.

- ✓ Automatic process control ensure constant quality with ease of operation
- ✓ High level of operator safety
- ✓ Intelligent control system saves energy, water and chemicals
- ✓ Powerful ultrasonic technology
- ✓ Capacity up to 500 moulds per shift



Ultrasonic Cleaning of Glass Moulds

Ultrasonic cavitation removes stubborn contamination from hard surfaces. The method is non-abrasive on the base material even if the mould goes through a countless number of cleaning cycles.

- ✓ Longer mould life
- ✓ No abrasion on mould surface
- ✓ No blunting of edges and corners
- ✓ Removes residues from cavities and channels
- ✓ Users achieve big improvement in gear damage
- ✓ Savings in labour costs

Some of FinnSonic's references



Founded in 1979, FinnSonic is an expert in ultrasonic cleaning and fluorescent penetrant inspection (FPI). The company designs and manufactures solutions for demanding industrial parts cleaning-and fluorescent penetrant inspection (FPI) in Lahti, Finland. The clientele includes, among others, British Airways, Emirates Airline, GE Aviation, Finnair, Hella, Metso, Parker, Scania, Sandvik and Siemens.

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FinnSonic maintains certified quality program ISO 9001:2015.
Specifications subject to change without prior notice.