

**FinnSonic**

Addicted to Cleanliness.

***Mould Cleaning  
Systems for Total Economy***



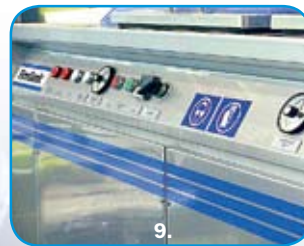
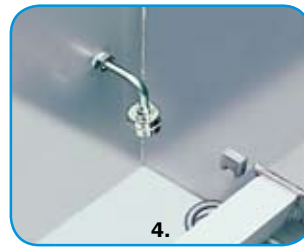
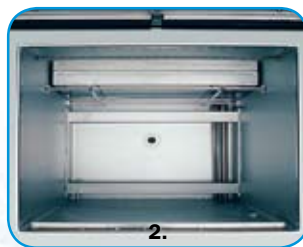
# Ultrasonic Cleaning - The Standard in Modern Mould Maintenance

*Traditional cleaning methods are time consuming,  
labour intensive and abrasive.*

*By using ultrasonics for mould  
maintenance, the result is a  
cleaner mould with reduced  
manual input and no  
wear leading to  
large cost savings.*



**1.** Electric box with integrated ultrasonic generator **2.** Immersible transducer box on tank wall is protected by robust guide bars. Push-pull rim lip ventilation assisted with compressed air (MC-110) **3.** Integrated rim lip ventilation connections behind the tank unit **4.** Float switch for dry run protection. All tanks have low level alarms with heating/ultrasonic protection **5.** Hinged lid **6.** Air gun **7.** Tanks are heat and noise insulated **8.** Wash basket **9.** Internationally recognised, high quality control components **10.** All stainless steel construction **11.** Sight glass with separate drain valve **12.** Stainless drain and water inlet valves at the back of the machine **13.** Air bubble agitation in rinse tank **14.** Dewatering or hot passivation possible with heating option **15.** Profiled overflow weir for optimised surface skimming



Save up to 75 % with  
Finnsonic mould cleaning

## Solutions



Industry	Application	Contamination
Plastics and rubber	Moulds	Oxides, gases, release agents, rubber and plastic residues, oil, scale
Cold forming	Press tools	Metal debris, grease, oil
Casting foundries	Die cast moulds	Metal debris, oxides, carbon, grease, graphite
Plastic and aluminium extrusion	Extrusion dies	Plastic, aluminium

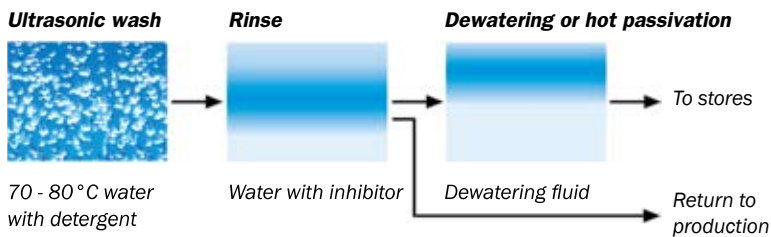


FinnSonic MC-Range for all moulds: large or small.

FinnSonic MC-Range – a complete mould cleaning concept.

Hundreds of various FinnSonic applications are being used around the world. We are pleased to place our 30 years experience at your disposal.

## Cleaning process



- **Less labour input**
- **Less time spent on mould maintenance**
- **Less wear and tear on moulds**
- **Less quality problems**

1. Cleaning at 80°C for approximately 5-15 minutes.
2. Rinse with air bubble agitation at 60°C for approximately 1 minute.
3. Preservation with dewatering or hot passivation for approximately 1 minute.

## Complete concept

- **Complete large and small scale**
- **Solutions to every individual application**



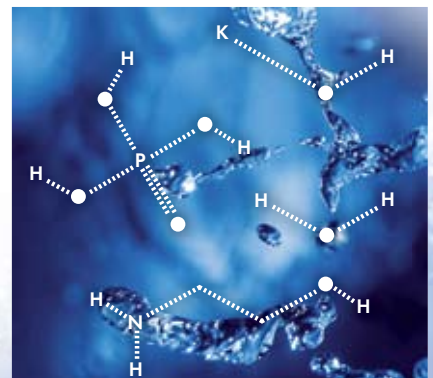
### Make safety your priority.

Full automation and encapsulation available for improved operator safety and throughput.



### Need for channel flushing and drying?

The MCM multi purpose station provides an ergonomic and safe way for rinsing, flushing, drying and inspection of moulds. Integrated turn table and encapsulation.



### Optimize your process.

FinnSonic process chemicals for optimal performance.



### Reference examples

- BMW
- Bode
- Braun
- DOW
- Dräxlmaier Group
- Federal Mogul
- Foxconn
- Flextronics
- Geberit
- Gronbach
- Hutchinson
- Hülsbeck & Fürst
- ITT Cannon
- Lego
- Legrand
- Leifheit
- Nordic Aluminium
- Philips
- Plastmo
- Procoplast
- Rehau
- Roplasto
- Saint-Gobain
- Sarstedt
- Siemens VDO
- SKF
- Theysohn
- Wago
- Wiegand
- Wilden
- Wilkinson Sword
- Visteon
- Zeller Plastik
- ZF Boge
- ZF Sachs

### Standard product range

<b>Modell</b>	<b>Ultrasonic power kW</b>	<b>Tank volume l</b>	<b>Operating dimensions (l x w x d) mm</b>	<b>Max load weight kg</b>
<b>small</b>				
m40im	0.6	40	460 x 260 x 225	10
m80im	1.2	80	585 x 330 x 340	25
m120im	1.2	120	585 x 450 x 390	35
MC-110	1.2	120	500 x 340 x 435	110
<b>medium</b>				
MC-170	1.2	200	420 x 650 x 440	160
MC-230	2.4	300	470 x 730 x 565	330
MC-360	3.6	430	820 x 600 x 600	340
MC-550	4.8	550	1040 x 500 x 785	550
<b>large</b>				
MC-950	6.0	1050	1150 x 550 x 1000	1500
MC-1400	8.4	1400	1550 x 550 x 1100	1500
MC-2100	12.0	2100	1550 x 900 x 1100	2000
MC-2900	14.4	2900	1800 x 1000 x 1200	2000



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