

Sonorus™ Technical Specifications

Clamping unit

Clamping force	30 kN (3 ton)
Specific molding pressure	300 bar

Ultrasonic Injection Unit

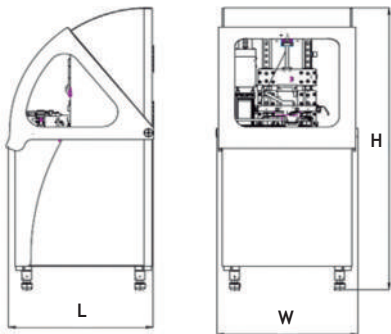
Frequency	30 kHz
Power level	1.5 kW
Shot volume	up to 1 cm ³

Drive

Electrical power supply	3 kW
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Weight, dimensions

Net weight	800 kg
Length x Width x Height	800x850x1800 mm



Ultrasonics – The future of Micro Molding!
Opening up new possibilities
in product innovation!

Powered by **usm**™

www.ultrason.com

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Sonorus 1G: Ultrasound Molding Machine



THE NEXT GENERATION OF MICRO-MOLDING TECHNOLOGY

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The Advantages of Ultrasonics

1. Outstanding precision

15 mm long 0.075 mm thick walled parts easily achievable

2. No material degradation

No heaters, no residence time, material melt in milliseconds

3. Reduced viscosity

Melted material viscosity hugely reduced

4. Massive material savings

Only the material needed per shot used.
No purging necessary

5. Huge energy savings

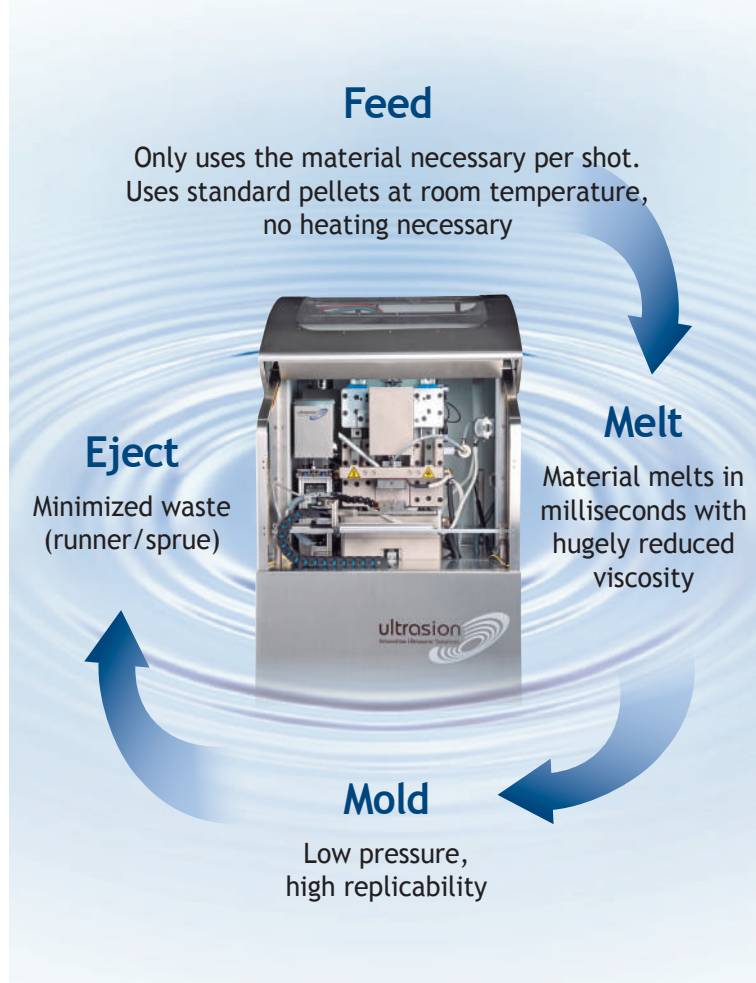
Up to 90% lower than alternative technologies

6. Reduced tooling costs

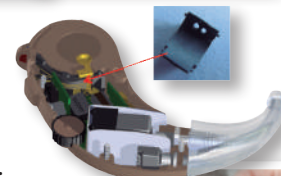
Only low pressure tools required

7. Green and clean

A truly environmentally friendly technology

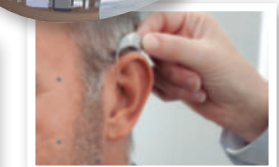
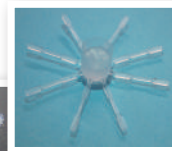


Courtesy of Microson / GAES (Spain): LCP connector - 0.1 g



Courtesy of ASCAMM Tech. Center:

- 22 mm long
- 0.3 mm thick
- 0.06 mm details



Courtesy of Microson / GAES: mold savings up to 20%

