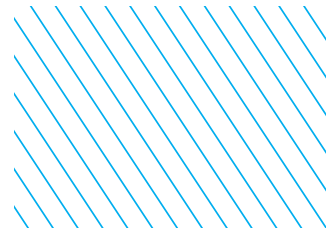


ULTRASONIC DEFOAMING SOLUTION FOR BOTTLING AND CANNING PACKAGING LINES



KEY BENEFITS

The **ultrasonic technology** produces an **acoustic wind** phenomenon in front of the probe **without gas displacement**.

The focusing of the acoustic waves produced by the probe creates a pressure field at a few centimeters distance.

This **pressure field** is sufficiently powerful to remove particles suspended in a gas or on a surface, **without the addition of air or external gas**.

Our **ultrasonic defoaming system** effectively **reduces foam formation** in bottles and cans during packaging, resulting in compressed, denser foam inside the container and significant efficiency and productivity gains.

- **No chemical additives**
- **No temperature reduction**
- **Increases production capacity**
- **Saves energy costs**
- **Reduces CO₂ consumption**
- **Improves reject rates**
- **Easily installed in manufacturing lines**
- **Reduces lid/cap contamination**
- **Excellent ROI (only few weeks/months)**



Scan to find out
demonstration video

RELEVANT MARKETS

Our ultrasonic defoaming technology is particularly suitable for bottle and can filling lines in the **beverage, brewery, dairy and chemical industries**.



BREWERY

Productivity gains,
reduced beer losses,
elimination of CO₂ bubble
breakers



BEVERAGE

Filling speed gains,
beverage loss & reject
savings, increased filling
temperature



DAIRY

Hygiene & quality
improvements, productivity
and efficiency gains



CHEMICAL

Elimination of
contamination, quality
improvements and
productivity and efficiency
gains

TECHNICAL INFORMATION

Line suitability	Canning or bottling lines Filling lines with units up to 70mm openings Line speeds up to 120,000 units/hr
Ingress Protection class	IP66
Frequencies	20kHz (more powerful) 30kHz (less bulky)
Construction material	Stainless steel 316L + Titanium TA6V Gr5
Power	80W (continuous) 200W (peak)
Cooling	Dry and clean air (2 bars) Mandatory for an operating time greater than 10 min.
RF cable	15m by default between the defoamer and the ultrasonic generator.
Mains supply	230VAC ±10% / 50-60Hz, Single phase 6A
Options	Electrical cabinet Version for aseptic filling lines “NexTgen Ultrasonic Platform” software for diagnosis and expertise (USB Dongle)

For machine manufacturers and integrators, the ultrasonic generator can be integrated into their own electrical cabinet. The equipment inputs/outputs allow **rapid control of the system** (start/stop, faults, amplitude, autotuning, equipment status, etc.). The generator also has a **ModBus TCP** communication port for full integration.