

APM-Go! – Contactless Ultrasound Function Check

Innovative technology for precise and safe diagnostics



Challenges of Ultrasonic Cleaning



Variable parameters in ultrasonic cleaning



Frequency



Power



Temperature



Cleaner

Lack of objective and reproducible measurement methods

Complicate quality control and process optimization

Generator output does not directly indicate the effect on the US



Today's systems

- Affect the medium
- Are operator-dependent
- Only measure at specific points
- Provide incomplete results



Test film



Hydrophone



Why customers need APM-Go!

Visualisation



APM-Go! visualizes performance loss



Early detection of process deviations

Quality assurance



Reproducible measurements & complete digital documentation



Ensures consistent cleaning quality

Process optimisation



Monitoring of US process parameters & preventive maintenance



Ensures maximum stability and consistently high efficiency

Product overview



Non-contact ultrasonic measurement

- Measures acoustic behaviour without coming into contact with the liquid
- Prevents contamination and process variations.



High process reliability and reproducibility

- High repeatability
- Minimises measurement errors caused by operator influence.



Documentation and quality assurance

- Consistent cleaning results
- Easy to use via the Ecoclean app (quick measurement, convenient data storage and precise analysis)



Relevance to the industry

- Suitable for all ultrasonic cleaning systems
- Suitable for use across various industries (e.g. manufacturing, optics, medical or pharmaceutical)



APM-Go!

Measures the overall acoustic signature without coming into contact with the liquid, enabling consistent, documented cleaning processes.



- Quick status check
- No production downtime



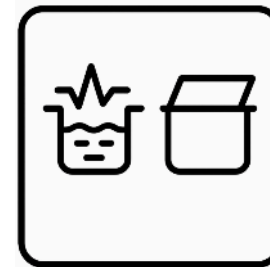
- Early detection of maintenance requirements
- Minimising downtime
- Improving operational efficiency



- Traceable measurements
- Quality control & process optimisation



- Suitable for use across all industries
- For all ultrasonic cleaning processes



- Open & closed chambers



Manual measurement

One bath machine



Serial immersion cleaning machine



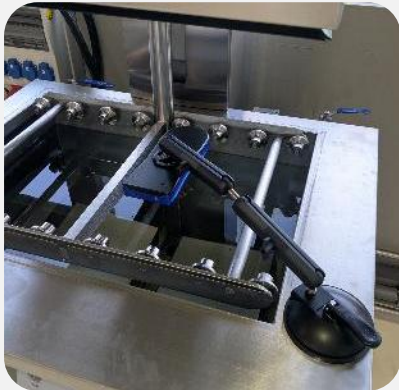
Chamber machine





Instrument-based measurement

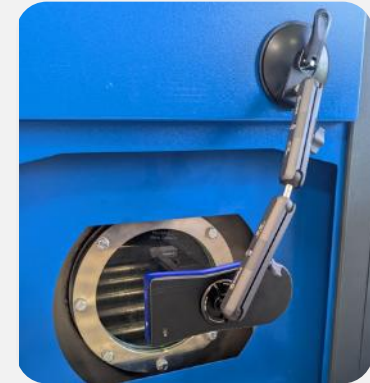
One bath machine



Serial immersion cleaning machine



Chamber machine



Function, Technical Specifications & Features



Function

- Uses microphone technology to record acoustic signals in the ultrasonic bath without physical contact
- The device can be used either manually or with a mounting bracket.
- The signals are transmitted via Bluetooth to the Ecoclean Service App, which automatically generates measurement reports.
- Competitor systems can also be added to the service app → All APM functions are fully available
- Deviations are documented in the Ecoclean Service App and immediately visible
- The app documents the frequency spectrum, APM value and relevant parameters for later analysis.

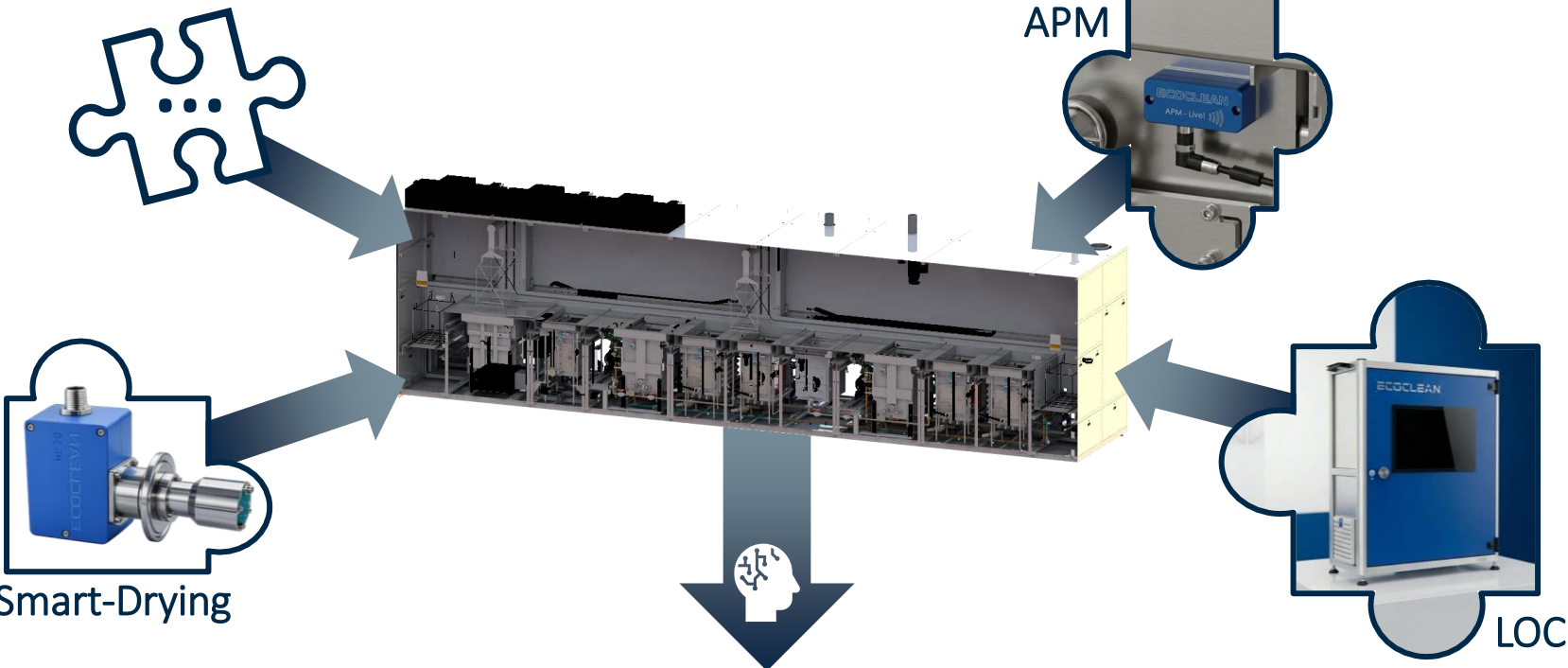
Technical Specifications

- The microphone has a frequency range of up to 132 kHz
- Compact dimensions: 197 mm x 85 mm x 25 mm
- Lightweight: 412 g
- Protection rating: IP20
- Measurements are taken in just 30 seconds

Features

- The suction cup, articulated arm and magnetic mount ensure a high degree of flexibility when securing the device without affecting the measurement

Ecoclean Vision:



Intelligent machine

Ecoclean GmbH
Hans-Georg-Weiss-Straße 10
52156 Monschau
Deutschland



900
Employees



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Locations



9
Countries



3
Centers of Competence