

The Modular Ultrasonic Cleaning System for the Highest Demands

UCMPerformanceLine

The UCMPerformanceLine is a multi-stage ultrasonic series immersion system that impresses with its modular design. It meets the highest quality standards for applications in medical technology, optics, and precision parts cleaning.



Typical applications include the final cleaning and passivation of orthopedic implants (including the 2.1 certificate – OQ, IQ, and PQ), the cleaning of precision components in high-vacuum technology, the cleaning of all types of optical components, and the cleaning of components prior to coating.

Even highly complex 3D-printed components can be cleaned to a high standard with the optional Pulsated Pressure Cleaning (PPC) feature.



We carry out process validation through cleaning trials in our Test Centers.

FEATURES AND BENEFITS

- + **Cleaning and rinsing processes:** modular and multi-level

- + **Versatile application:** of mono-, twin-, or multi-frequency ultrasound, mega sound

- + **Flexible transportation system:** for throughput optimization and gentle parts handling

- + **Space-saving design:** through integrated electrical and control technology per module

- + **High-quality system housing:** protects goods and users from contamination and emissions

- + **High adaptability:** to customer specifications and processes

System Design

- Movement of goods in cleaning and rinsing modules, rotating and spinning movements optional
- Variable ultrasonic equipment for mono, twin, and multifrequency from 25 to 120 kHz, Mega sound
- Hot air, infrared, and vacuum drying
- Overflow circular filtration
- Flexible transport system for holding goods carriers and baskets
- Easy creation of treatment prescriptions
- Process visualization and error diagnosis via IPC control
- Connection of flushing water/deionized water circulation system
- Supply air filtration through HEPA filters
- Clean room connection possible
- Closed design
- Extensive automation



TECHNICAL DATA

UCMPerformanceLine	S	M	L
Product window (LxWxH) without rotation	280 x 400 x 330 mm	370 x 530 x 400 mm	500 x 675 x 500 mm
Weight of goods including goods carrier without rotation	< 20 kg	< 40 kg	< 80 kg
Product window with (ØxW) with rotation around horizontal axis	280 x 300 mm	380 x 425 mm	510 x 550 mm
Weight of goods including goods carrier with rotation around horizontal axis	< 10 kg	< 20 kg	< 50 kg
Product window with (ØxW) with centrifugal force around vertical axis	280 x 100 mm	upon request	upon request
Weight of goods including goods carrier with centrifugal force around vertical axis	< 1,5 kg	upon request	upon request