

Ultrasonic Cleaning

# Highlights – the right component for every application ))

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The more efficient way to guarantee  
optimum component cleanness.

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# Solutions for high quality, cost-optimised component cleaning ))

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Ever stricter component cleanness and profitability demands require innovative cleaning solutions.

As the technological market leader, Weber Ultrasonics sets new standards in the development and manufacture of high-grade components for ultrasonic cleaning. The generators and transducer systems combine innovation with impressive quality, a high degree of efficiency and excellent service, ensuring that your cleaning tasks are performed to the highest quality while keeping costs to a minimum.

## ULTRASONIC MICRO CLEANING )) 1 MHz generator series

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Whether in photovoltaics, the semiconductor industry, precision and micro optics, medical technology or microsystems and nanotechnology – gentle yet highly effective cleaning is an absolute must.

The ULTRASONIC MICRO CLEANING (UMC) series of 1 MHz ultrasonic generators with 250 and 500 W power output and ideally matched transducer systems allows you to remove even the

finest nano-scaled particles and film contamination from surfaces and from troughs within microstructures without causing damage or leaving a residue.

Innovative high-tech components guarantee maximum performance while demanding a minimum of space: up to six UMC modules can be integrated in one 19" housing. Sophisticated features guarantee a high level of process safety and reliability. The UMC generator series is available in three different configurations.



## SONOPUSH MONO HD® )) ultrasonic rod transducer

The strengths of the SONOPUSH MONO HD® rod transducers help you conquer the very toughest cleaning tasks: with 20% more power output at the same beam length and consistent omnidirectional sonic distribution, this heavy duty rod transducer offers decisive advantages in all cleaning applications.

These include significantly shorter cleaning times, resulting in a higher throughput and thus lower costs.

What's more, a high level of stability, resistance to temperatures of up to 95°C even in continuous operation and vacuum and over-pressure resistance up to 10 bar ensure a maximum service life. Due to its low space requirement, the SONOPUSH MONO HD® can also be added to existing cleaning units and tanks with the greatest of ease.

## SONIC DIGITAL MULTI )) multifrequency modular generators SONOSUB MULTI )) submersible transducer

Different cleaning tasks such as coarse cleaning and super-fine cleaning and a heterogeneous range of parts or materials normally require several ultrasonic cleaning systems with different frequencies, resulting in higher investment and space requirements. This is now a thing of the past thanks to digital multifrequency ultrasonic technology from Weber Ultrasonics.

SONIC DIGITAL MULTI generators are available with 40, 80 and 120 kHz or with 25 and 50 kHz, thus allowing the different cleaning processes

to be carried out in the same tank. Combined with the „genuine“ triple-frequency SONOSUB MULTI submersible transducers with laser-welded housing, which are perfectly matched to the appropriate frequency, this guarantees optimum cleaning results in the shortest time. And due to the fact that no devices are required for transporting the goods from one tank to another and your ultrasonic cleaning unit can be contained within a highly compact unit, costs are kept to a minimum too.

# Worldwide ))



The Weber Ultrasonics Group is one of the world's leading technological companies and is represented in over 50 countries by five subsidiaries. Groundbreaking ideas, continuity and consistent internationalisation define our leading position in the market.

Over 2,000 customers worldwide from the most wide-ranging of industry sectors currently benefit from the ultrasonic solutions of Weber Ultrasonics. Together with our sales partners in Europe, Asia and the USA, we guarantee top product and service quality.

The Weber Ultrasonics Group is divided into three business segments, whereby each business segment is represented by a subsidiary:

- » Ultrasonic cleaning
- » Ultrasonic welding, cutting and special applications
- » Environmental technology

Weber Ultrasonics Surface Technology is among the most innovative and competent suppliers in the areas of ultrasonic cleaning and is one of the world market leaders in ultrasonic components for surface technology.

[www.weber-ultrasonics.de](http://www.weber-ultrasonics.de)

Weber Ultrasonics Weld & Cut is a byword for optimum ultrasonic welding solutions. The company develops, produces and sells high-grade ultrasonic welding components and machines for welding and cutting thermoplastic materials.

[www.wuwc.de](http://www.wuwc.de)

Weber Entec concentrates on the plant manufacturing of ultrasound-relevant applications in the field of environmental technology, and in particular on the ultrasonic treatment of biogenic substances (disintegration).

[www.weber-entec.com](http://www.weber-entec.com)

Weber Ultrasonics America, based in Clarkston, Michigan near Detroit, produces and sells the ultrasonic solutions of the entire group in North and South America.

[www.weber-ultrasonics-america.com](http://www.weber-ultrasonics-america.com)

Weber Ultrasonics Asia is the Group's fifth subsidiary and is responsible for sales and distribution of the ultrasonic cleaning products in the entire Asian market.

[www.weber-ultrasonics.asia](http://www.weber-ultrasonics.asia)

## Sales partners

### Austria

Glogar Umwelttechnik  
[www.glogar-uwat.at](http://www.glogar-uwat.at)

### France

C-MAJ  
[www.c-maj.fr](http://www.c-maj.fr)

Sleti SA  
[www.sleti.fr](http://www.sleti.fr)

### Japan

Shinka Industry Co., Ltd.  
[www.shinka-sangyo.co.jp](http://www.shinka-sangyo.co.jp)

### Poland

Castor  
[www.castor.com.pl](http://www.castor.com.pl)

### South Asia

JKS Engineering (M) Sdn. Bhd.  
[www.jkseng.com](http://www.jkseng.com)

### Sweden

Allkal AB  
[www.allkal.se](http://www.allkal.se)

### Switzerland

STS Industrie SA  
[www.stsindustrie.ch](http://www.stsindustrie.ch)

Weber Ultrasonics GmbH  
Im Hinteracker 7  
76307 Karlsbad-Ittersbach  
Germany

Tel. +49 7248 9207-0  
Fax +49 7248 9207-11  
[mail@weber-ultrasonics.de](mailto:mail@weber-ultrasonics.de)  
[www.weber-ultrasonics.de](http://www.weber-ultrasonics.de)