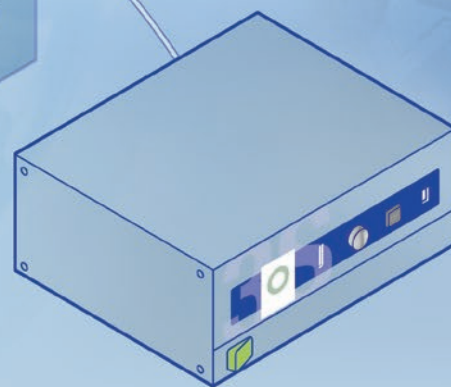
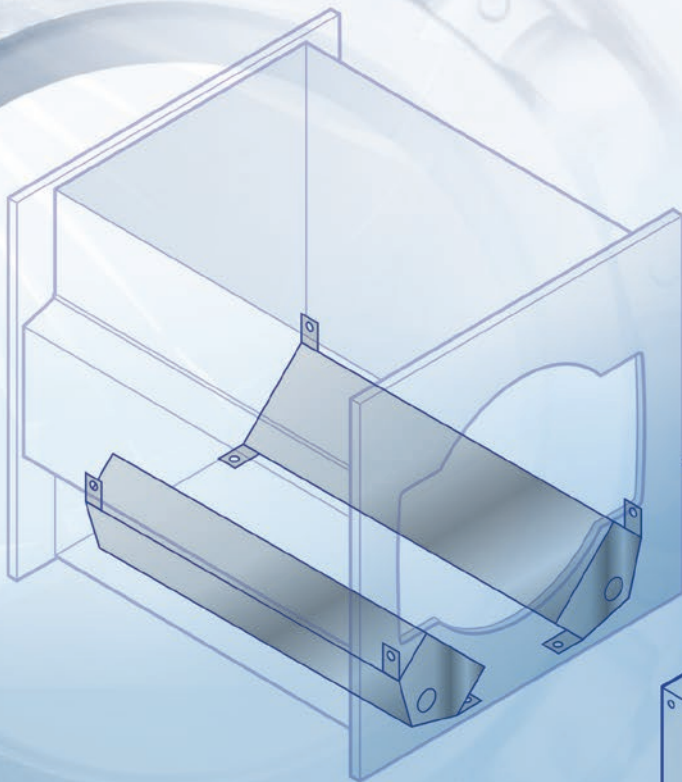


Ultrasonic cleaning

# A single system to handle various cleaning tasks ))

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NEW



WEBER  
Ultrasonics

# Groundbreaking multifrequency ultrasonic concept for chamber cleaning systems with vacuum-resistant submersible transducers ))

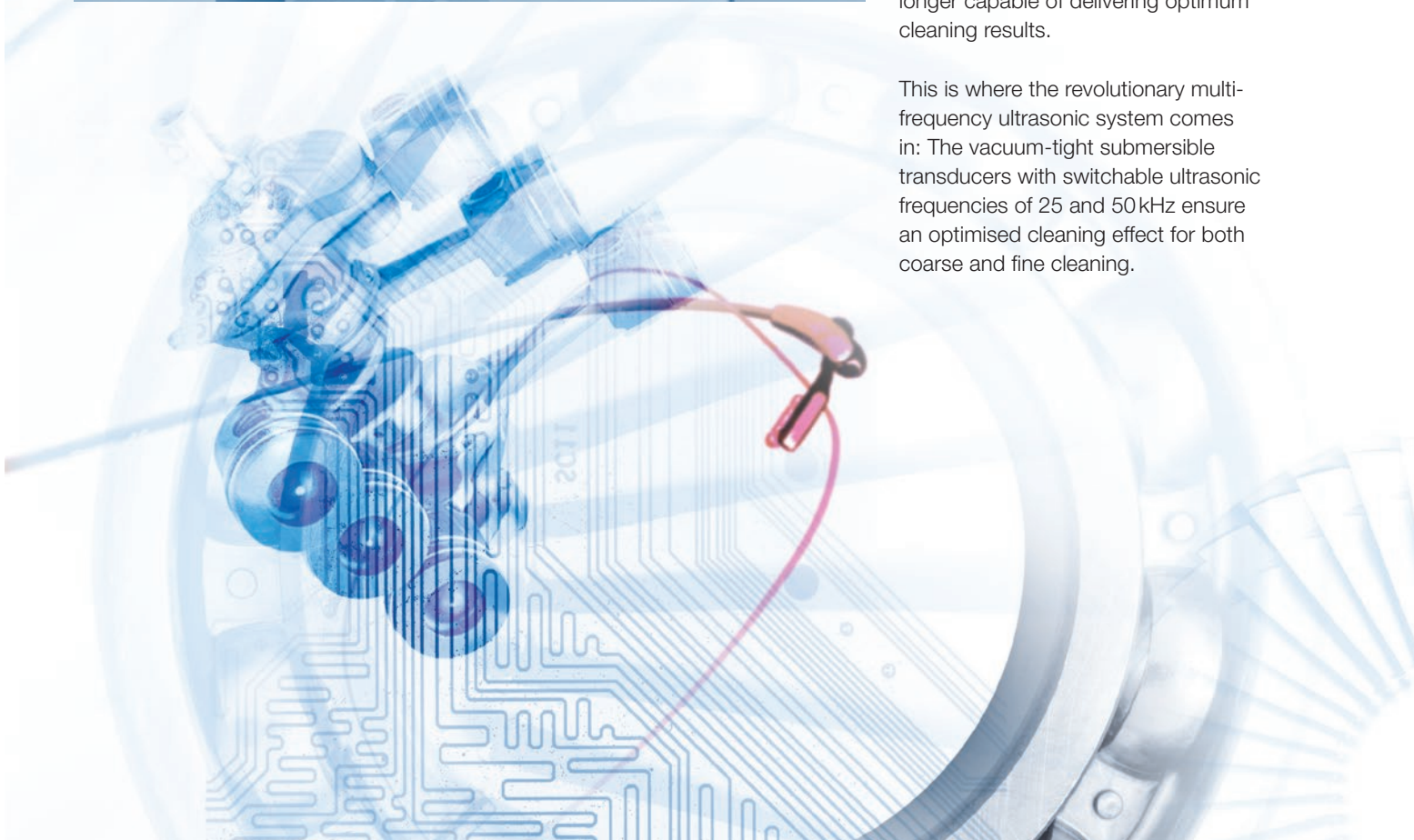
With the SONOPOWER 3S system for 25/50 kHz, Weber Ultrasonics presents a new ultrasonic solution that now also enables the use of multifrequency ultrasound with submersible transducers in vacuum chamber cleaning systems. These systems have received a significant boost in terms of both flexibility and the range of potential applications with this pioneering innovation. With its massive versatility, the revolutionary multifrequency ultrasound concept opens up completely new opportunities for equipment manufacturers and their customers.



## Revolutionary multifrequency ultrasonic system

More and more parts manufacturers are today required to offer flexible production of small series. Component cleanliness is also a key quality criterion in this regard. Chamber cleaning units with ultrasonic systems are often used to meet the specific requirements. Cleaning systems are typically designed for one specific process. If the cleaning task or the parts spectrum then changes, the same system is often no longer capable of delivering optimum cleaning results.

This is where the revolutionary multifrequency ultrasonic system comes in: The vacuum-tight submersible transducers with switchable ultrasonic frequencies of 25 and 50 kHz ensure an optimised cleaning effect for both coarse and fine cleaning.





## Powerhouse with an output of 3,000 watt for 25/ 50 kHz

The basis of this groundbreaking development is the newly designed SONOPOWER 3S multifrequency ultrasonic generator, a genuine powerhouse. With its power output of 3,000 watt and two selectable frequencies of 25 and 50 kHz, it can handle any cleaning task – today and in the future. The plug-and-play device is fully digital and impresses not only with its maximum process stability and power output, but also its exemplary ease-of-use.

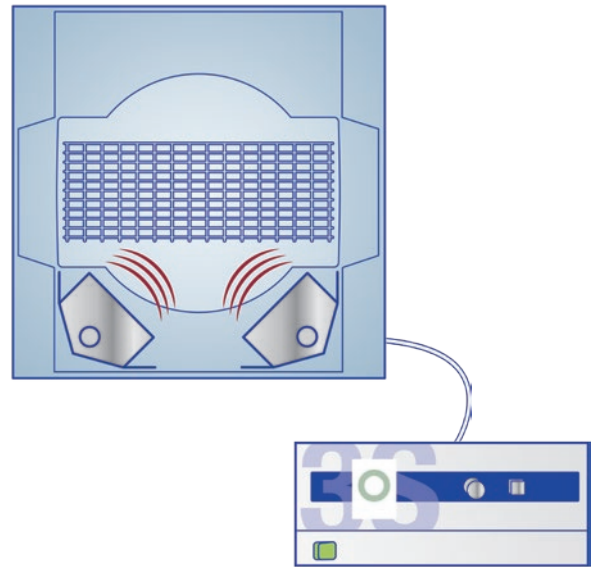
## Vacuum-resistant submersible transducers

The use of vacuum-resistant submersible transducers in vacuum cleaning processes represents a completely new advanced ultrasonic solution. It is made possible by the special, vacuum-resistant design of the transducers. This is the result of numerous simulations, in which the forces that act on the transducer when evacuating the chamber were precisely determined. The advantage of this innovation? The targeted ultrasonic output of the submersible transducers allows you to achieve optimum cleaning results.

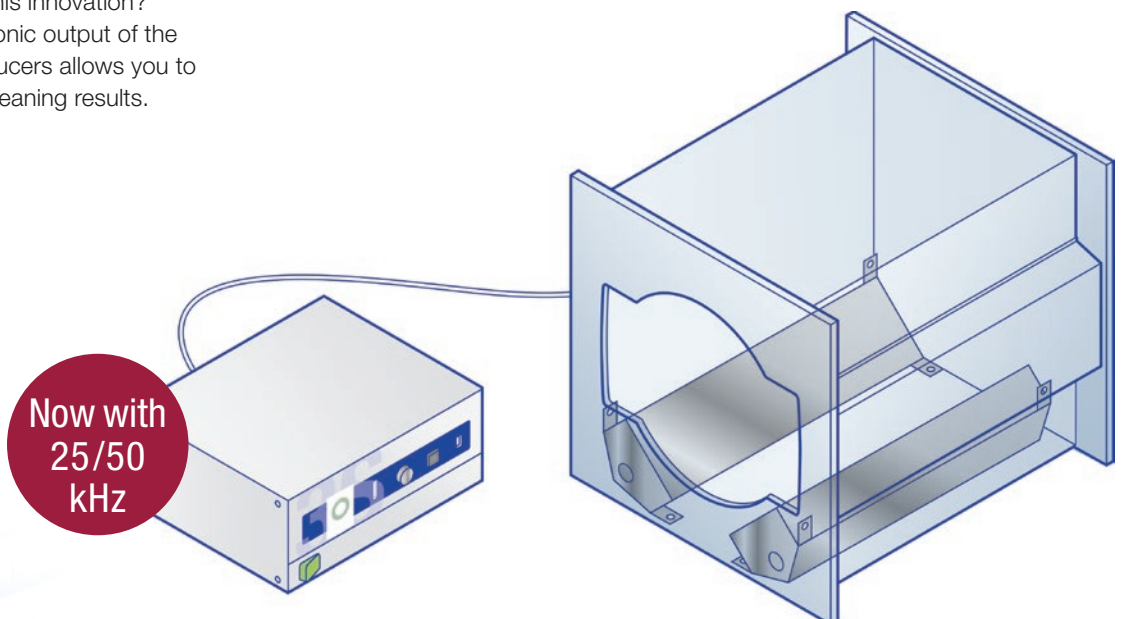
## Maximum flexibility with just one system

The SONOPOWER 3S system offers you maximum flexibility for a wide range of cleaning tasks. You can equip your system with various components – whether one transducer with 3,000 watt, two transducers with 1,500 watt each or three transducers with 1,000 watt each. Simply select the desired combination in accordance with your specific cleaning requirements.

The new developments are available both individually and as packages comprising a generator and two vacuum-tight submersible transducers.



The innovative TWIN-frequency ultrasound concept from Weber Ultrasonics with vacuum-resistant submersible transducers for chamber cleaning systems: one generator and two transducers.



Now with  
25/50  
kHz

# 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)

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## Sales partners

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

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