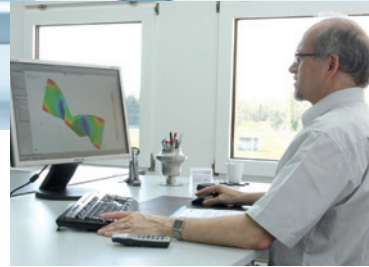




ADVANTAGES FOR RATIONAL PORTIONING

**PORTIONING FOOD CLEANLY
AND COST EFFECTIVELY WITH LITTLE
POWER AND NO RESIDUE**

TELSONIC
ULTRASONICS



TELSONIC has earned an excellent reputation over many years.

+ **YOUR PLUS** Perfect solutions from ultrasound specialists, made in Switzerland

Our dedication to quality and reliability, combined with innovative concepts and precise implementation play a key role here. We are committed to maintaining this reputation to the benefit of our customers and partners.

Unrivalled know-how with more than 45 years of experience.

TELSONIC was one of the pioneers of the highly specialized field of ultrasonic technology and its industrial applications.

During this time the company has built a wealth of expertise and achieved international standing, which has resulted in the success of countless projects across a wide range of industries.



Over the course of our history, we have been developing techniques and building systems for our customers, in order to boost their product quality and manufacturing efficiency.



THE MANY ADVANTAGES OF ULTRASONICS IN PRODUCTION

More environmentally friendly – ultrasonic systems support a wide range of different process engineering applications in industry. The use of ultrasonics means that additives and chemicals for cleaning can often be reduced or left out altogether.

Energy savings – due to the very high efficiency of the resonant oscillating system, solutions based on ultrasonic technology are highly efficient. The energy required is applied for only a very short duration, and unlike thermal processes, the systems do not require a continuous supply of energy.



Attractive solutions based on creativity and literally perfect technology.

Properly employed ultrasonics technology can achieve much more than is commonly known. Discuss

your ideas with our experts and ask to be shown some examples of this state-of-the-art technology. Our philosophy and the TELSONIC technology will convince you.

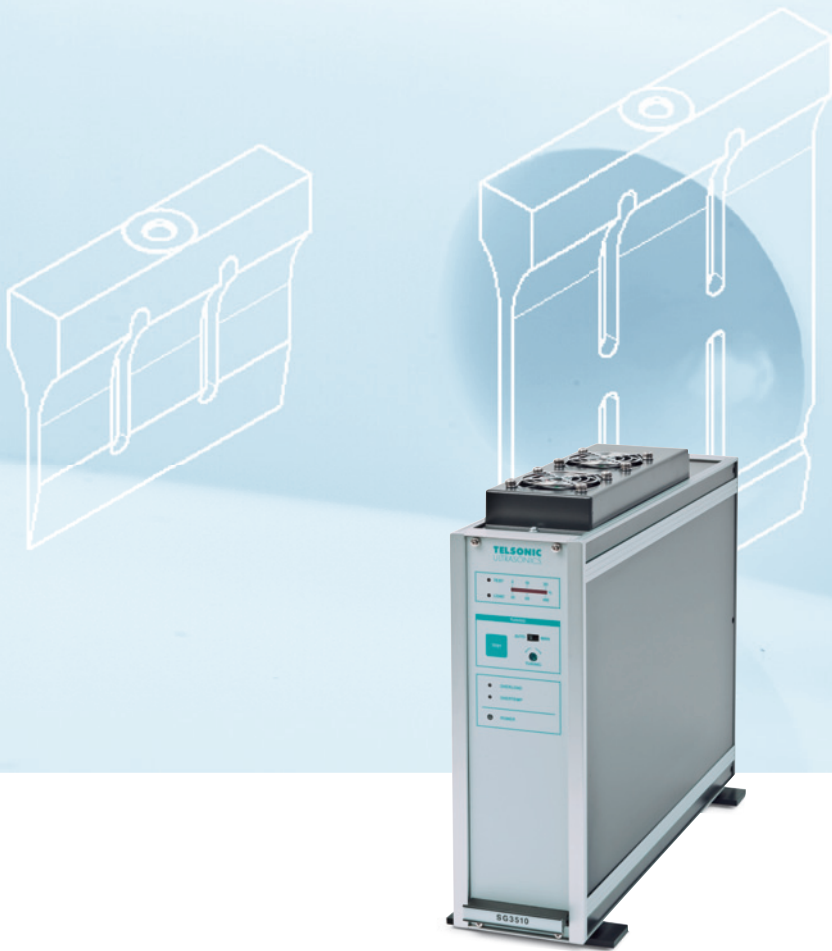
Ultrasonics offers great advantages in terms of process technology in many areas.

Ultrasonics is well established as a technology for cutting food stuffs and is known as an environmentally compatible and particularly cost effective method that saves material.

When portioning food stuffs with Ultrasonics, the cutting action only requires minimal force.

The ultrasonic vibrations of the cutting blade prevent any material adhering to it and thus leave the blade clean of any residue.





Generators

The tried-and-tested TELSONIC ultrasonics technology is powerful, consistent and compact. These features have also been adopted in the design of our generator series.

Generator SG3510

Generator with amplitude regulated output system of ARP up to 1000 W and fully automatic frequency control. Also available as aggregates in housings for 1, 3 or 6 modules.



DHG series

With a maximum output of up to 4500 W, the DHG-type generators cover a wide range of universal applications. Due to the direct communication with the integrated interface, they are ideal for use with all TELSONIC presses.



THE MANY ADVANTAGES OF ULTRASONICS IN PRODUCTION

More cost-effective – all manufacturing techniques and processes can be accelerated through the use of ultrasonics. This leads to the optimization of production costs and therefore to a correspondingly higher output.

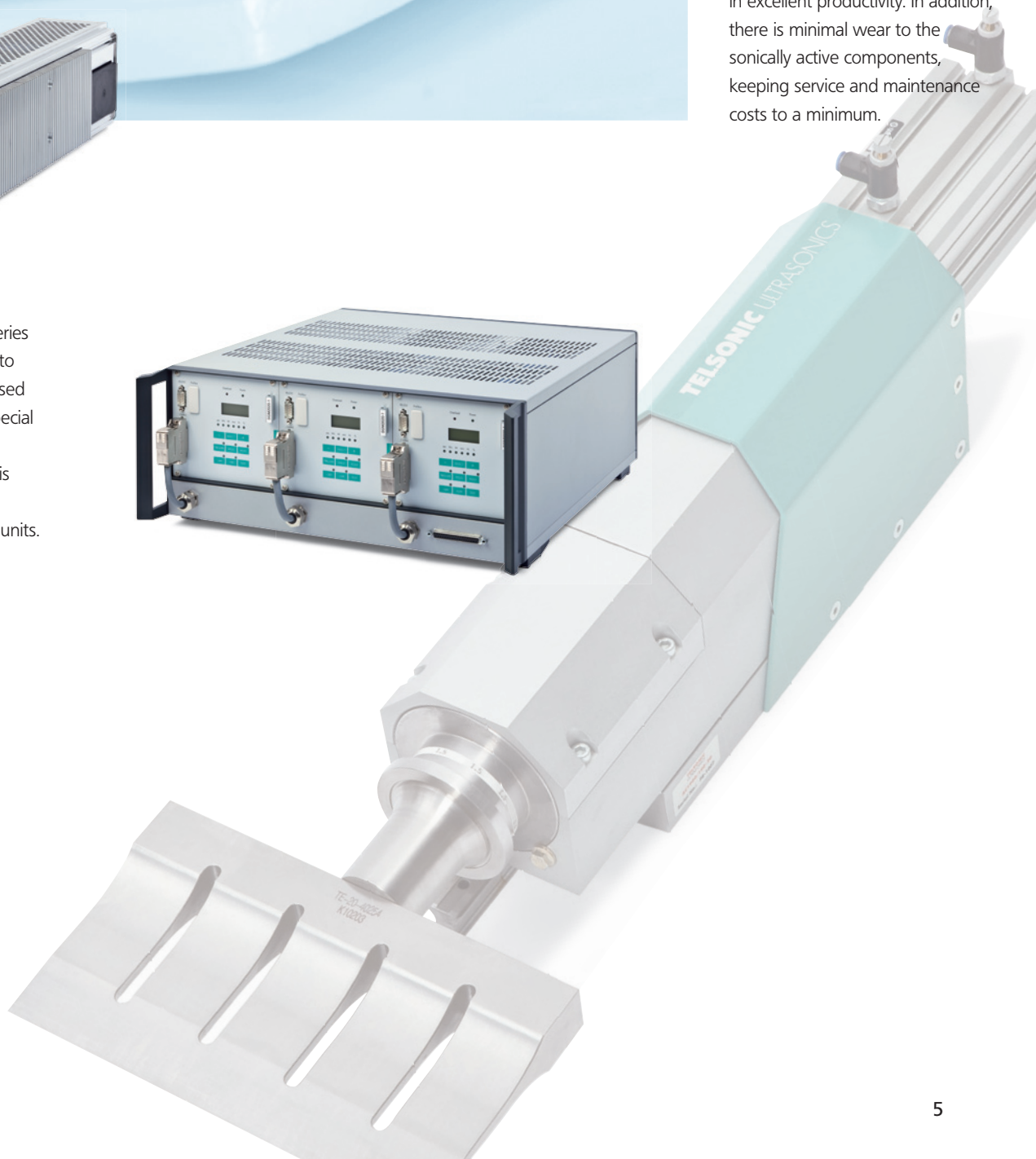
Faster – with the use of ultrasonics it is possible to combine several different processes into a single production step. As a result of which, additional users or machine intervention can be avoided and production cycles are often significantly reduced.

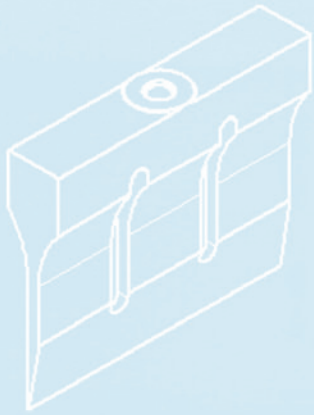
More economical – faster and more streamlined processes result in excellent productivity. In addition, there is minimal wear to the sonically active components, keeping service and maintenance costs to a minimum.



SGM series

The SGM generator series feature outputs of up to 2000 W and can be used for a wide range of special machine applications. The modular concept is particularly suited for installation in multiple units.





Control systems

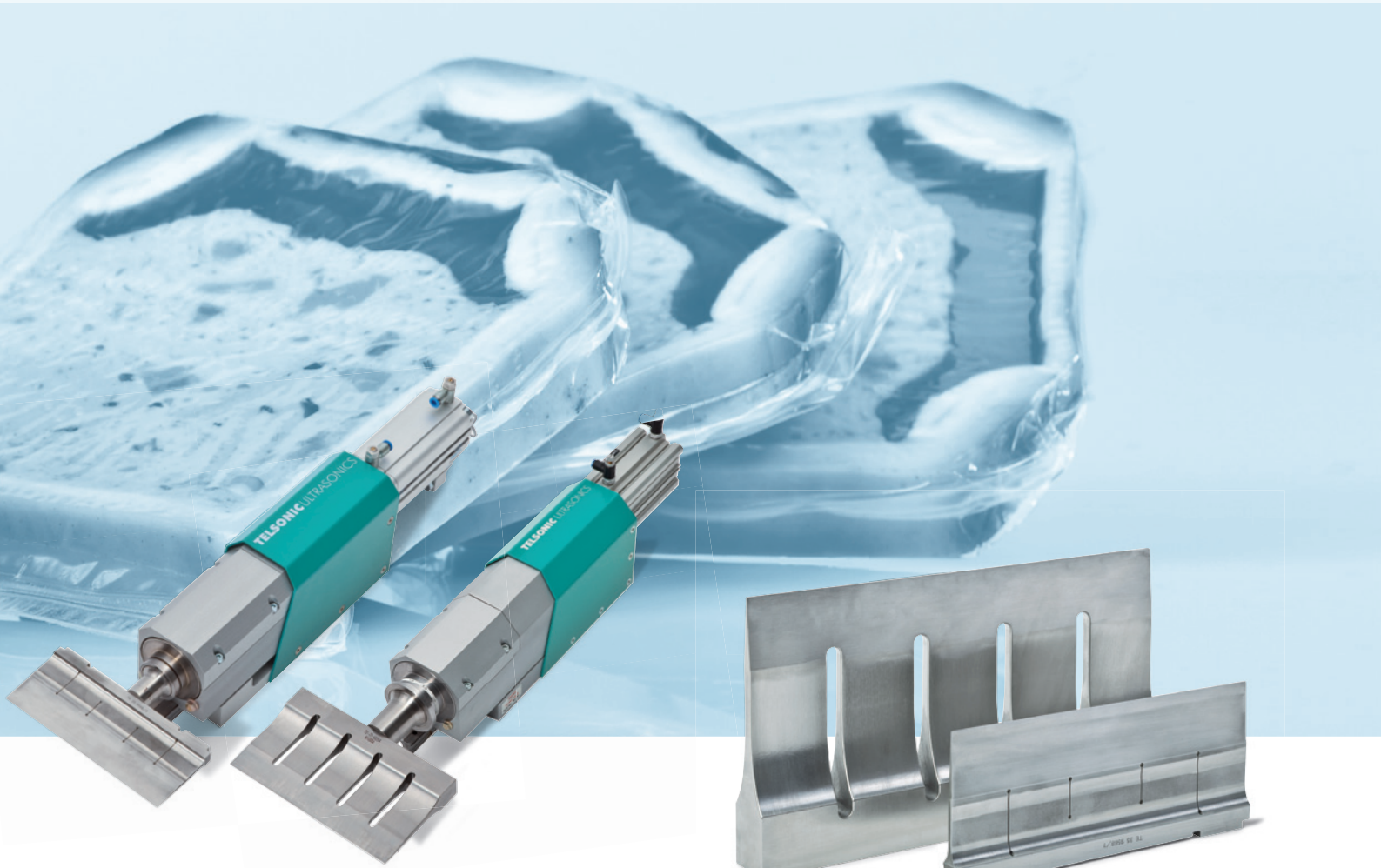
User-friendliness, consistent process quality and continuous process control, and remote diagnostics of the ultrasonic welding machines for maintenance purposes are a must for the smooth operation of ultrasonic systems and perfect end results for the user.

TELSONIC offers a number of different control systems to suit various applications and range of requirements. Depending on the type of equipment, these are integrated in the generator or are supplied as a separate unit (MPS4).



MPS4

This well-proven control system can be combined with all pneumatic welding presses, actuators and ultrasonic generators. The process programming of the system is open and direct. The system offers a highly professional evaluation of the process quality.



Welding actuator units

In order to offer users tried-and-tested systems that are powerful, yet compact in design, Telsonic offers actuator units consisting of several modules. These actuator units are available in different versions.

Sonotrodes

Sonotrodes are the tools which deliver the oscillating movement initiated by high-frequency mechanical vibrations (ultrasound). Our in-house department responsible for building sonotrodes manufactures them from a range of different materials, e.g. steel, titanium or aluminium which have been adapted to all common frequencies.



TELSONIC – ULTRASONIC TECHNOLOGY FOR ALL APPLICATIONS

It takes a deep understanding of the entire spectrum of the ultrasonic technology to be able to design and manage all related processes. TELSONIC has been working in this field for over 45 years,

and will continue to set the industry standards for the future. Numerous patents in different applications including cleaning, welding and screening are proof that our

work has been successful. From these innovations, we produce application-specific products and solutions which will quickly optimize your processes.

TELSONIC
ULTRASONICS

TELSONIC AG
Industriestrasse 6b
9552 Bronschhofen
Switzerland
Tel. +41 71 913 98 88
Fax +41 71 913 98 77
E-Mail info@telsonic.com

TELSONIC GmbH
Gundstrasse 15
91056 Erlangen
Germany
Tel. +49 9131 687 89 0
Fax +49 9131 687 89 77
E-Mail info.de@telsonic.com

TELSONIC UK Ltd.
Units 12a–15 Birch Copse
Technology Road
Poole, Dorset BH17 7FH
United Kingdom
Tel. +44 1202 697340
Fax +44 1202 693674
E-Mail sales.uk@telsonic.com

TELSONIC DOO
Atar 95
21241 Kac
Serbia
Tel. +381 21 621 0010
Fax +381 21 621 3738
E-Mail info.rs@telsonic.com

TELSONIC Ultrasonics Inc.
50350 Rizzo Drive
Shelby Township, MI 48315
USA
Tel. +1 586 802 0033
Fax +1 586 802 0034
E-Mail info.us@telsonic.com

TELSONIC Solutions
10 Ossipee Road, P.O.Box 38
Newton Upper Falls,
MA 02464-0001
USA
Tel. +1 617 244 0400
Fax +1 617 415 1555
E-Mail info@telsonicmetal.com

**TELSONIC Ultrasonic Equipment
(Shanghai) Co., Ltd.**
4th floor, Building 20
1525 MingQiang Road
Songjiang Shanghai, 201612
China
Tel. +86 21 3373 0230
Fax +86 21 3373 0231
E-Mail info.cn@telsonic.com

You can locate our
worldwide representatives
at www.telsonic.com

T H E P O W E R H O U S E O F U L T R A S O N I C S