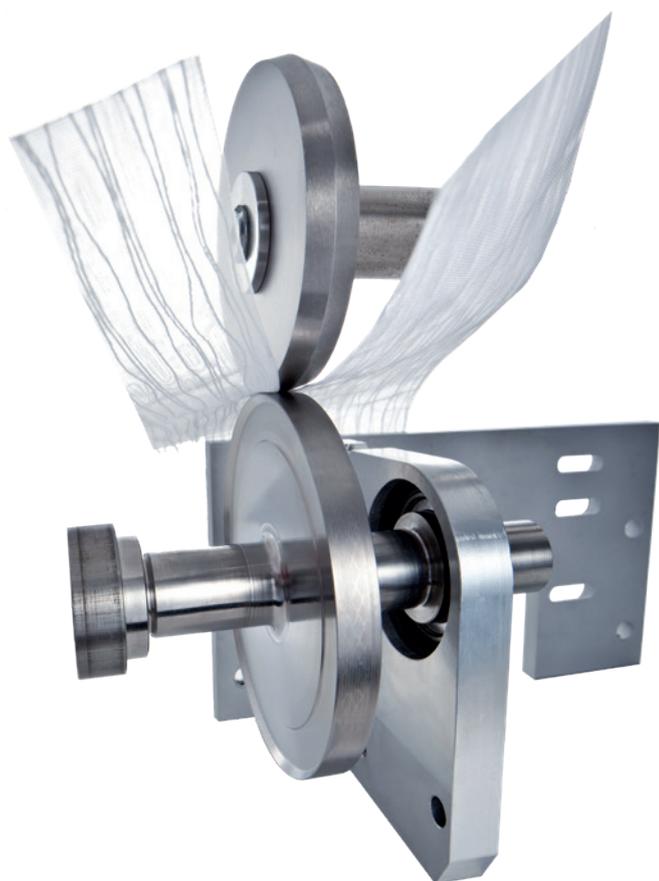


**iSONIC WAVE BRM**  
Ultrasonic roll seam technology  
for technical textiles







Infos online

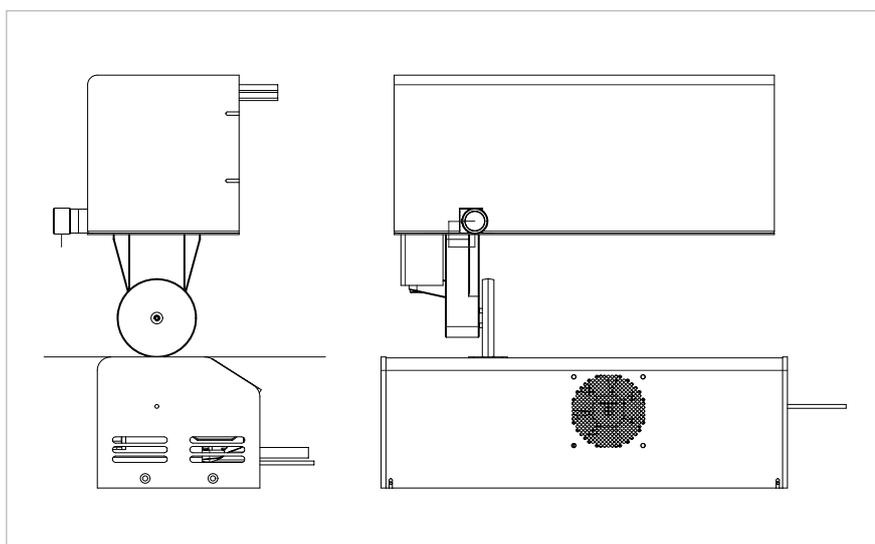
# Technical data

## Integration in existing or new machine concepts

Technical data	
Weld width [mm]	2 – 25
Max. welding force or application force of the anvil [N]	400
Max. speed [m/min]	80
Frequency [kHz]	35
Generator power [M]	400
Max. compressed air [bar]	6
Connected loads of drive [V] / [A]	230 / 4
Dimensions of sonotrode module W x H x D [mm]	420 x 138 x 168
Dimensions of anvil module W x H x D [mm]	393 x 294 x 192
Dimensions of control module W x H x D [mm]	600 x 600 x 350

### Features and advantages

- Cutting and sealing of elastic and non-elastic textiles
- No fraying in edge cutting
- Minimum seam projection
- Sealing seam width 2 – 25 mm
- Flexible seam design
- No subsequent taping of the seams
- Rotary sonotrode of titanium (10 or 25 mm wide) or steel (7 or 10 mm wide, Cut & Seal applications)
- Sealing speed of 0.3 – 20 m/min or 10 – 80 m/min
- Control of the amplitude proportional to the sealing speed
- The application force can be adjusted by electro-pneumatic pressure control valve
- Circumferential speed of the sonotrode and anvil unit is regulated by a master-slave coupling
- Fan-cooled roll seam sonotrode and ultrasonic converter



Roll seam sonotrodes for cutting and sealing





Infos online

# Locations

## Global presence



### Headquarters

- Karlsbad, Germany

### Branch plants

- Barcelona, Spain
- Wixom, MI, USA
- Shanghai, China

### Agencies

- Bílá, Czech Republic
- Borås, Sweden
- Bursa & Istanbul, Turkey
- Cinisello Balsamo, Italy
- Johannesburg, South Africa
- Kaatsheuvel, Netherlands
- Kały Wrocławskie, Poland
- Kawasaki, Japan
- Le Bourget, France
- Leicester, United Kingdom
- Marietta, Georgia, USA
- Puebla, Mexico
- São Paulo, Brazil
- Werribee, Australia



**SONOTRONIC GmbH**  
 Headquarters  
 Becker-Göring-Straße 17-25  
 76307 Karlsbad, Germany  
 Tel.: +49 7248 9166-0  
 Fax: +49 7248 9166-144  
 info@sonotronic.de  
 www.sonotronic.de

**SONOTRONIC, Inc.**  
 Branch USA  
 46425 Peary Ct.  
 Wixom, MI 48377, USA  
 Phone: +1 248 987 5970  
 Fax: +1 248 987 5964  
 info@sonotronic.com  
 www.sonotronic.com

## Linked with success.

### Industry solutions

- Automotive
- Plastics
- Packaging & Food
- Technical Textiles
- Environmental

### Products

- Special machines
- Standard machines
- Ultrasonic systems
- Ultrasonic components

### Technologies

- Ultrasonic
- Infrared
- Hot plate
- Hot air



V-Card



V-Card