

Specialist in ultrasonic welding of plastics

- Application-specific solutions for joining and separating injection molded and extruded plastic parts using ultrasonic
- Building standard and special machines, based on ultrasonic, hot plate, infrared and hot air technology
- More than 45 years of experience in plastics joining and roughly 200 tailor-made special machines per year worldwide



Technologies

- Ultrasonic:
Welding, cut & seal, roll seam welding, riveting, cutting, punching and embossing
- Hot plate/hot punch:
Welding and riveting
- Infrared or hot air:
Riveting

Applications and industries

- Electronics, electrical engineering and telecommunications:
housings, displays etc.
- Household goods – white goods:
Viewing windows, controls & frame elements, fan wheels etc.
- Automotive engineering:
Interior and exterior parts, lights, expansion tanks, valves, airbags, seatbelts, emblems etc.
- Office supplies:
Housings and printer cartridges, transparent plastic folders, registers etc.
- Sports items:
Helmets, goggles, elasticated goggle straps, sports clothing, netted fabric etc.
- Toys:
Half shells, figures, ribbons etc.
- Medical engineering:
Analytical accessories, reaction chambers etc.
- Textiles and filtration: tape and braided goods, bandages, foundation garments, filter media, nonwoven, velcro fasteners, (medical) sanitary products etc.

Standard machines

- DNP iSONIC: 35 kHz handheld welding device for single welds for pre-production runs or for prototype construction
- ECOFLEX iSONIC: Modular cabins with individual working area for small and medium-sized parts
- ECO iSONIC: Bench-top machines with feed unit in 35, 30 and 20 kHz for small parts
- NC iSONIC: Bench-top machine with servo drive and open control concept

Customized special machines

Individual and customized machines for the industrial machining of large parts:

- with sliding table, indexing table, interchangeable tools or cassettes, swivelling parts nests, intelligent unloading handling devices, conveyor belt, robot automation, etc., as required.

Ultrasonic components and systems

100% SONOTRONIC: production according to own design and in-house manufacture to high quality standards at our own production center:

- Converters
- Sonotrodes
- Boosters
- Parts nests
- Feed units
- Ultrasonic generators

Services

We offer skilled project advice and monitoring:

- Qualified training
- Technical application advice and testing
- Prototype production
- 24-hour hotline



Linked with success: tradition. progress. future. Made in Germany.

With innovative energy and always with an eye to quality we design and produce machines, components and systems for joining plastics by ultrasonic. Our products are used worldwide by well-known OEMs in the manufacture of plastic interior and exterior parts. Above and beyond this, SONOTRONIC also develops and manufactures hi-tech ultrasonic systems for the plastics, packaging, foodstuff, textile, medical and environmental industries. As a strongly developing technology company we work with more than 300 employees at the headquarters in Karlsbad, as well as in our branches in Spain, USA and China.



Current data

- Owner and CEO: Ingo Nagel
- Year of foundation: 1974
- Number of employees: 300
- Export ratio: 60 %
- Turnover 2021: ~45 million €
- Quality management: EN ISO 9001
- Environmental management: EN ISO 14001

Industry solutions

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

V-Card
SONOTRONIC
Germany



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Agents

- Bursa, Turkey
- Huizhou, China (production)
- Johannesburg, South Africa
- Kawasaki, Japan
- Kuala Lumpur, Malaysia
- London, UK
- Marietta, Georgia, USA
- Puebla, Mexico
- Sao Paulo, Brazil
- Vallentuna, Sweden