

Aims and content. Technical seminar.

8.30 a.m. – 5.00 p.m.

12.00 p.m. – 1.00 p.m. lunch break

- Welcome and introduction
- Company profile Herrmann Ultraschall
- Ultrasonic basics
 - Fundamentals
 - Definitions
- Ultrasonic welding system
 - Actuator units
 - Components
 - Force supply
- Focusing energy
 - Anvil drum pattern
 - Cutting and perforation geometries
- Setting up applications
 - Calculating ultrasonic stack, amplitude and weld force
 - Leveling actuator unit
 - Defining metal contact position
- Weld process
 - Parameters and limits
 - Measured values
- Materials, influences and conditions
- Applications
 - Laminating
 - Perforating
 - Cutting
 - Core applications
- Hands-on in the ultrasonic lab nonwovens
- Q & A session

For more information and registration, please contact:
Tel. +49 7248 79-0 or
www.herrmannultraschall.com/en/trainings



We are looking forward to hearing from you:
NW-seminar@herrmannultraschall.com

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Ultrasonic Seminars

Nonwovens. Technical seminar.

ULTRASONIC WELDING TECHNOLOGY



85444 02/19 ENG 250 Technische Änderungen vorbehalten



Seminars and workshops. Information for experts.

If you're already an expert, wish to build on your knowledge, or if you're new to this field, come and learn the basics.



Who should attend:

- Machine operators and setters
- Maintenance personnel
- Production engineers
- Project-related personnel
- R&D personnel

All attendees are encouraged to bring their materials and/or drawings for consultation and discussion. Principle testing may be possible and is dependent on how much time is available.

Customized workshops

As a special service we can offer in house workshops and at your site, specifically catered to your requirements. Theoretical knowledge is hands-on combined with current applications and new research.

**For more information or inquiries,
please check our website:**

**[www.herrmannultraschall.com/en/ultrasonic-engineering/
trainings-seminars](http://www.herrmannultraschall.com/en/ultrasonic-engineering/trainings-seminars)**

Dates and places. Technical seminar.

Karlsbad-Ittersbach (German)

- Thursday, 21.02.2019
- Thursday, 27.06.2019
- Thursday, 19.09.2019
- Thursday, 05.12.2019

Karlsbad-Ittersbach (English)

- Thursday, 11.04.2019
- Thursday, 24.10.2019

Fee: 600,- Euro*
Fee: 362,- Euro**

Fees are understood per participant and include training documentation and catering.

** Seminar fee for our ultrasonic laboratory in Karlsbad and in the Tech-Centers in Germany*

*** Seminar fee for our Tech-Centers outside Germany*

Join us and become a certified ultrasonic expert.

