

IPI Expert Seminar Ultrasonic Sealing

April 18th 2012

Ultrasonic sealing is one of the most innovative methods for sealing in packaging. Except for a few specialized applications, ultrasonic sealing exhibits only a short time of history in the field of flexible packaging. Because of the diversity of packaging materials there are lots of challenges for the users to resolve. Therefore expert knowledge is essential for stable ultrasonic processes and high quality. Developments in technology and application as well as scientific work in the last years increased the knowledge and understanding of the ultrasonic sealing process. With this development, the range of application was also expanded within the last years.

The IPI expert seminar offers an introduction into the fundamentals and principle of the ultrasonic sealing technology and also deals with the behavior of the packaging material as well as state of the art of current applications. Participants get a comprehensive overview about the ultrasonic sealing technology and its application.

Program

09:00 - 12:00 Fundamentals and Technology of Ultrasonic Sealing

- Assembly, Principles and Energy transformation mechanisms of ultrasonic sealing **Sascha Bach, TU Dresden/IPI**
- History, fields of application and success stories of ultrasonic sealing in packaging **Thomas Fischer, Herrmann Ultraschalltechnik GmbH & Co. KG**

13:30 - 15:30 Ultrasonic Sealing Behavior of Packaging Materials

- Structure, properties and processing behavior of packaging materials during ultrasonic sealing **Sascha Bach**
- Solutions for ultrasonic sealing of peel-able packaging films **Thomas Fischer**
- Example for developments of packaging materials adapted to the ultrasonic sealing process **referee inquired**

15:30 - 17:30 Applications of Ultrasonic Sealing

- Applications and new developments - Overview **Sascha Bach**
- Case studies **Thomas Fischer**
- Application of ultrasonic sealing in vertical and horizontal flow wrappers **Ulrich Wieduwilt, Bosch Packaging**
- Operation experiences of food manufacturers **referee inquired**

Target Group

Anybody involved in

- R&D, design and manufacturing of packaging equipment
- R&D, design, quality management of packaging materials
- Packaging design, quality management, manufacturing of food, pharmaceutical, medical and cosmetic companies

Details

Location	IPI International Packaging Institute, Schaffhausen, Switzerland
Language	English
Fee	CHF 680.-* incl. 8% VAT, lunch and documentation
Registration	With attached form or at www.ipi.eu/ipi-events/registration *or Euro equivalent at actual exchange rate



International Packaging Institute

IPI Expert Seminar Registration Ultrasonic Sealing

April 18th 2012

Participant

Mr Ms

Title _____

First name _____

Last name _____

Company _____

Department _____

Address _____

Zip, City _____

Country _____

Phone _____

Fax _____

E-mail _____

Date _____

Signature _____

Billing Address

(if different to participants address)

Name _____

Company _____

Department _____

Address _____

Zip, City _____

Country _____

Remarks _____

Accommodation

Please advise me on accommodation

Send registration to:

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