

# Interdisciplinary knowledge exchange for pharmaceutical packaging and processing

Pharmaceutical manufacturers around the world consistently turn to Bosch Packaging Technology for innovations in packaging and processing technology. They benefit from decades of expertise and knowledge in optimizing production processes and safety, enhancing efficiency and reducing total lifetime costs.

Under the Bosch umbrella, the pharmaceutical businesses comprise of product brands such as Moeller & Devicon, Pharmatec, SBM Schoeller-Bleckmann Medizintechnik, Sigpack Systems and Valicare. United, we serve customers in the pharmaceutical and biopharmaceutical industry.

The individual strengths of the group, with sites across the globe, account for Bosch's position as a global leader with one of the most comprehensive technology and service portfolios in the industry. The interdisciplinary approach of Bosch directs an international network of engineers to optimize project execution and integration processes for customers.

The company's strengths can be divided into five key areas of competence: process technology, primary packaging, secondary packaging, qualification and services.

## **Come and experience Bosch at the ACHEMA convention.**

Visit our lectures.

### **12<sup>th</sup> May 2009, 3.30 pm, Konstant Forum:**

Influence of Humidity, Concentration and Condensation on Efficacy and Penetration in Bio-Decontamination Processes Applying H<sub>2</sub>O<sub>2</sub> Vapor

### **12<sup>th</sup> May 2009, 4.30 pm, Konstant Forum:**

Electron Beam Sterilization of Tubs with Nested Syringes – Challenges and Innovation

### **12<sup>th</sup> May 2009, 5 pm, Agenda Forum:**

Medicated Confectionery – Technological Challenges and Solutions

### **14<sup>th</sup> May 2009, 10.30 am, Illusion 3, CMF:**

Image Processing as Useful Technology in the High-Throughput Analysis of Formulations and Coatings

Visit us in Hall 3.1, Stand F2 – J11.

For more information please visit [www.boschpackaging.com](http://www.boschpackaging.com)



#### ► Process Technology

Bosch's process technology expertise combines aseptic and sterile processing, which includes equipment, container and product sterilization, isolator systems and restricted access barrier systems (RABS). Equipment for clean facilities that produce, store and distribute sterile and aseptic products complete the portfolio to serve customers from biopharmaceutical to medical device industries. Furthermore Bosch offers production and forming lines for medicated confectionery and other formable masses.

#### ► Primary Packaging

Primary packaging is an essential area of Bosch's competence and is a key pillar of its portfolio. Check weighing, sterile filling and finishing equipment, blister packaging, capsule filling and sealing are at the core of its expertise. The application portfolio contains filling and sealing for ampoules, bottles, cartridges, injection and infusion bottles as well as injection vials and pre-filled syringes.

#### ► Secondary Packaging

For secondary packaging, Bosch offers cartoning and toploding systems, flow wrapping machines with hermetic sealing, and end-of-line packaging equipment. This product range enables customers to work with Bosch from primary packaging to end-of-line applications.

#### ► Qualification

Part of Bosch's full service offering also includes qualification and validation services for laboratory equipment as well as manufacturing processes for pharmaceutical, biopharmaceutical and life science applications. To meet international qualification requirements, Bosch ensures that its customers meet Good Manufacturing Practice standards, ensuring smooth and safe production processes.

#### ► Services

Bosch is a committed partner throughout the entire product lifecycle, offering reliable after-sales, audit, and maintenance services. The superior training standard of our engineers ensures the latest in quality service products, such as the Embedded Engineers program to

maximize the availability of production equipment. Bosch Packaging Services is determined to meet future market requirements to reduce total cost of ownership and protect capital equipment investments.

#### Our Promise

Bosch Packaging Technology's promise is to continue its leadership role in the pharmaceutical industry with innovative, reliable and economical solutions. Bosch's overall objective and driving force is enabling customers to get one-stop-solutions and create sustainable business growth through state-of-the-art services, processing and packaging technology.

#### For more information please contact:

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