



Crailsheimer Pharmatag 2010

An Inside Look at Sterile Filling

Bosch Hosts Two-Day Customer Symposium

Bosch Packaging Technology welcomed industry representatives and experts to the two-day Crailsheimer Pharmatag 2010, the company's international customer symposium on sterile filling. Participants experienced a factory tour and viewed innovative pharmaceutical processing and packaging machines in the Bosch showroom. Presentations by high-profile customers and discussion rounds provided a platform to share experiences on current trends in sterile filling, with emphasis on vials, syringes and containment technologies. The event was moderated by Dr. Georg Roessling, Senior Vice President, PDA Europe.

Over 220 pharmaceutical professionals keenly followed the keynote speech by Dr. Manfred Schubert-Zsilavec, Vice President, Goethe-University Frankfurt, who discussed the importance of innovative pharmaceuticals and therapy forms for quality of life improvements. He called for equally innovative production equipment to fulfill the resulting requirements.

Vial Filling

In a workshop on vial filling, attendees highlighted that automated filling solutions are increasingly critical to strengthen production safety, reduce human error and diminish contamination. Dr. Simone Dahlmanns, Operations

Director, Hameln Pharma, used her company as an example to illustrate how Bosch technology can help with remanufacturing, lean production and operational excellence for vial and ampoule filling. In a second presentation Rainer Herbener, Technical Project Manager, CSL Behring, gave details on how the new filling and lyophilization lines by Bosch were built and installed during production. With two new lines CSL Behring now has the flexibility it needs to face future shifts in demand.

Barrier Systems

The production of highly potent biopharmaceutical and parenteral drugs results

in a higher demand for containment technologies. A workshop led by Dr. Friedrich Haefele, Head of Biopharma Operations, Boehringer Ingelheim, and Mathias Kreher, Product Manager, Bosch, discussed the usage of barrier systems to enhance safety. As part of this workshop the reduction of human interaction and cross-contamination were examined. Mr. Kreher stated that in the future, barrier systems will be the standard for aseptic filling.

Giorgio Salciarini, Production Manager, BSP Pharmaceuticals, illustrated how companies can safely and effectively produce highly potent drugs. He praised the success of his facility's high containment manufacturing. The fully automated Bosch line enables the company to safely and compliantly handle a range of sterile products.

Syringe Filling

Due to the continuing rise in the production of biotech drugs, the general conditions of syringe filling are changing. Dr. Thomas Schoenknecht, Director Drug Product & Device Development, Amgen, and Klaus Ullherr, Product Manager, Bosch, explained that ready-to-use syringes are growing in popularity as they are suitable for production in small batches. They also highlighted increasing demand

for combination products, such as auto and needleless injectors. The handling of pre-sterilized vials and cartridges were also discussed in depth.

In a presentation, Dr. Bernd Sennhenn, Head Maintenance and Engineering, Abbott, explained the benefits that can be achieved by integrating a modern syringe filling line from Bosch at a pilot plant. According to Dr. Sennhenn, a compact machinery layout and dosing flexibility were crucial, as was the automation of several important functions, including bag opening.

Foresight

In the panel discussion, moderated by Dr. Georg Roessling, the consensus among participants was that the demand for tailor-made, automated solutions is growing. There is also an increasing need for flexible filling solutions to accommodate different batch sizes, to cater to continuing advancements in personalized medicine.

“We are very proud that numerous customers accepted the invitation to this year's Pharmatag. The feedback during and after the event was extremely positive, in particular with regard to the discussions, the interesting lecture and workshop program, the machine exhibits, and the successful evening event.” said

Kurt Stefan Klaiber, site manager of Bosch Crailsheim.

„In the past Bosch delivered machines, today Bosch develops and delivers production line-concepts and should tomorrow develop entire pharmaceutical processes.“ Udo J. Vetter, Vetter Pharma Head of the Supervisory Board

For more information please contact:

Inga Strobel

Phone +49 7951 402-648

inga.strobel@bosch.com

