

## "Clean" solution for clean room partitioning

Bayer Weimar GmbH und Co KG secures clean rooms using EFAFLEX high-speed doors

**The Bayer Weimar GmbH und Co KG plant, opened in 1994, and is both the company Head Office as well as the location for production, quality control and packaging. At this site, around 500 employees manufacture hormone-containing solid dosage tablets, coated and film-coated tablets for Bayer AG's national and international markets. The processing of hormone-containing drugs requires special demands on the production areas in the plant. EFA-SRT CR high-speed roller doors from EFAFLEX were therefore installed to separate the clean rooms from the corridors.**

Nino Baracscai, Head of Technical Office, explains the importance of the high-speed doors in front of the clean rooms and airlocks as follows: "Absolutely no hormones may enter the environment from our pharmaceutical production. We therefore operate our production areas with -15 Pascal vacuum to protect our employees and the environment. This means that when the doors are opened, the air flow is in the direction of the clean rooms." The corridors in front of the airlocks to the clean rooms must therefore always be spotlessly clean. The fast action of the high-speed doors (opening at up to 2 metres per second and closing at up to 0.75 metres per second) help ensure that the air exchange from the corridor into the airlock and from the airlock into the production area only takes the shortest time so that particles do not enter the production rooms despite the negative pressure. This keeps the filter load low and reduces air loss. The doors' curtain is also adapted to the clean room environment. "Our requirement profile included doors with stainless steel frames and plastic curtain that are washable and resistant to detergents," explains Nino Baracscai. The EFAFLEX CR series clean room doors are perfectly adjusted to the requirements in controlled

production zones. The high-performance high-speed doors have a smooth surface structure and no protruding edges. They can be easily cleaned, and a depositing of particles is largely excluded.

Like all EFAFLEX high-speed doors, the clean room doors are enormously heavy-duty and low maintenance thanks to their excellent quality. However, the most important case for EFAFLEX clean room doors are their high level of air tightness, which contributes considerably to cost savings in clean rooms, and the modular design in clinical look. The narrow frames allow for a space-saving and visually appealing installation, even in confined spaces.

Despite the complicated installation conditions under airlock conditions, the assembly of the doors ran completely smoothly. Nino Baracscai also has more than good things to say about the responsive field service engineer: "I can always call him if there's a problem. He thinks about the issue and then offers very good solutions."

### **Bayer Weimar GmbH und Co. KG. company information**

Bayer Weimar GmbH und Co KG is a legally independent pharmaceutical site located in Weimar on the grounds of the former Jenapharm and is a fully owned subsidiary of the Bayer Group. Weimar is also home to the logistics centre with purchasing, delivery of all materials, storage in a fully automated high-bay warehouse with around 8,000 pallet spaces, distribution, shipping of products and production planning. All processes in the company, from planning to dispatch, are optimally controlled thanks to consistent investment in a modern computer-aided, integrated system for factory master planning and production management. The company therefore achieves a high degree of flexibility and responsiveness to customer needs while maintaining competitive costs and the outstanding quality that is essential for pharmaceutical products.

**EFAFLEX company information**

*EFAFLEX design, manufacturer, install and service high-speed doors for industrial and commercial applications. Founded in 1974, the company supplies to clients including food processing, manufacturing, clean room, cold store and the chemical, pharmaceutical sectors. As the only manufacturer of high-speed industrial doors, EFAFLEX has been entered into the world market leader index and is one of the 461 top companies in Germany, Austria and Switzerland.*

*The privately-owned company has more than 1,200 employees worldwide. With its headquarters in Bruckberg, Bavaria, EFAFLEX is firmly established as the largest employer in the region. Furthermore, with ten subsidiaries on five continents, the company is developing international markets with more than 50 percent of their revenue now being generated outside of Germany.*