



Containment Technology from Bosch for Processing Highly Potent Substances at Excella

There is a continuing increased demand for highly potent medicinal products, which require special handling and reliable containment technology during development and processing. With its 25 years' experience, Excella is a proven specialist in handling such highly potent substances for the pharmaceutical sector. As part of the Fareva Group, it is one of the world's leading specialist suppliers in this area, offering development and process know-how and providing guidance to its customers, from pre-formulation and clinical testing to commercial production.

One Step Ahead

When processing highly potent pharmaceutical substances, requirements not only include top-quality equipment, but also the need for experience and specialist knowledge with regards to the processes and containment infrastructure, as well as highly qualified personnel. As a result, Excella has acquired Bosch Packaging Technology's HiProTect capsule filler, the latest innovation in containment technology, which offers integrated 100 % control. The GKF HiProTect has provided Excella with innovative process technology for time-efficient development, as well as a safe

production environment during the commercial phase.

An Integrated Solution

Bosch, a technology leader in packaging and filling systems for pharmaceutical products, developed the GKF HiProTect capsule filling system as a comprehensive containment solution for the industry's sophisticated requirements. At the heart of the capsule filler is a fully internal isolation system.

A major advantage of the GKF HiProTect, and of great importance to Excella, is its high level of flexibility for processing a broad variety of materials. These include powders, pellets, tablets, liquids and even combination formats. The machine has a no-cap/no-fill function, which avoids product contamination and dust damage, keeps the production area clean and supports cleaning operations. A fully automated wash-in-place (WIP) or clean-in-place (CIP) system ensures high operator and process safety and also allows fast product changeovers.

For maintenance operations and interventions, the installation is easily accessible from all sides via glove ports. Gross and net weighing of capsules guarantees the quality of the end product. The

weighing units will even identify minimal deviations from the preset filling quantity and can adjust the filler station accordingly. This avoids continuous failures, downtime and additional costs. Bernd Mümmler, Excella's production manager, has been impressed by the HiProTect: „We are fully convinced by the logical overall concept offered by Bosch with its HiProTect. The integrated weight control ensures the highest quality standards for the process and for our customers in the pharma sector.“

Safety for the Future

The fully-integrated weighing operation, a flexible adaptation of various filling stations and the automatic cleaning process combine for an uncompromising containment concept and account for the GKF HiProTect's unique position within the marketplace. As a result, Excella's partnership with Bosch offers pharma companies a low-risk development phase with a seamless transition to the commercial processing of highly potent pharmaceutical substances.

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