

## Bosch to unveil GranuLean

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Bosch Packaging Technology will introduce the new granulation unit, GranuLean at Achema 2015 to be held in Germany from June 15 to 19, 2015.

Developed by the Bosch subsidiary H&Wttlin GmbH, it combines the process steps of mixing, granulating and drying for the manufacturing of pharmaceutical granules.

"The name GranuLean stands for a lean and compact machine, which can be easily integrated into production rooms and focuses on the basic requirements of pharmaceutical producers. By concentrating on the essential basic functions within fixed dimensions, we have developed an especially efficient granulation solution," said Mr Fritz-Martin Scholz, product manager at Bosch Packaging Technology.

The GranuLean for instance saves valuable production room with its 6 meters length and 3.4 meters height. The new development is available for three different batch sizes and is based on H&Wttlin's long-standing process technology experience.

As opposed to tailor-made granulation lines, the most important functions of GranuLean are installed by default. "The high level of standardization now enables us to fulfill customer demands for a complete and quickly available system at the accustomed high quality," said Mr Scholz.

The granulation unit can be installed quickly and easily. All process and cleaning steps can be controlled via recipes. The operator interface is a 21-inch touchscreen with user-friendly navigation.

GranuLean is available for a containment level of up to OEB3 (Operational Exposure Band). The machine remains closed during operation, while inflatable seals on the product containers provide for an optimum draughtproofing. Moreover, the integrated cleaning system ensures an even easier handling.