

# Coating technology improvements deliver outstanding value for money

The coating process should produce smooth, uniform and taste-masked tablets, capsules, or pellets with a defined degree of solubility. In a manufacturing environment, these results need to be reproducible and the process time short. These results are achievable with Glatt's GC Smart tablet coating series, which was recently improved.

**T**he drum coating method is truly classic and often used in the production of solid materials. As an absolutely indispensable production process, it represents the procedure of choice for coatings containing sugar, those with aqueous and organic solvents, and coatings with a delayed release.

About 40 years ago, Glatt developed the very first drum coater with a fully perforated drum. Now, its experts have revised the proven GC Smart with various finely tuned adjustments to further increase coating speed and productivity. The air guidance system and handling have been improved considerably in response to pharmaceutical industry demands for quick and reproducible processes, allowing manufacturers to achieve a coating time of just one hour from charging to coating and discharging.

## EXCELLENT TECHNICAL IMPROVEMENTS

Glatt's developers invested heavily in completely overhauling the coater's air guidance system (inlet and exhaust air). One of the goals was to simplify cleaning and inspection by removing the need for time-consuming processes, such as integrating an exhaust air chamber in the coater housing.

The distance between the spray arm and the tablet bed can be varied, and the angles of the spray arm itself can be manually adjusted across five axes based on the degree of charging, so the spray nozzles are always positioned at exactly the right distance from the tablet bed. The degree of charging can be varied between 100% and 10%. A guide plate can also be used for filling volumes of less than 30% to ensure that the air guidance and the filling level are perfectly matched.



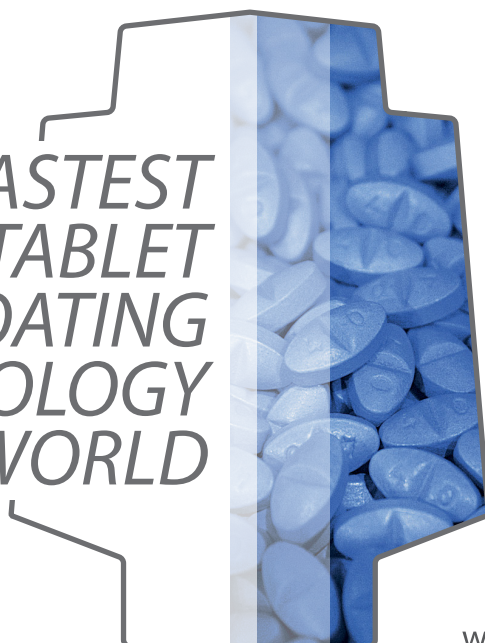
Sophisticated coating is achieved with the unique Glatt spray nozzles

The discharge channel is another new feature. It is now firmly integrated in the housing, ensuring tablets are transported to the collection hopper both quickly and gently. These features demonstrate the immense work of developers to improve a whole range of aspects on the coater, making it possible to significantly reduce processing times even further. ■

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