THE FASTEST TABLET COATING TECHNOLOGY IN THE WORLD

Glatt. GCC
EXPERIENCE THE NEW STANDARD IN TABLET COATING TECHNOLOGY
Complete coating process possible in less than one hour

Designed for exceptionally fast mixing and coating, the new GCC – Superfast & Superclean houses the world’s fastest coating technology.

The positioning of the blending tools makes it possible to achieve an ultra-fast mixing effect, even at the lowest loading level of just 10%. In a world first, the technology reduces batch times to just one hour for the entire process, from charging and coating to discharging – a dream come true.

A true benchmark – the fastest coating technology out there, plus maximum reliability

The coating technology used in the GCC – Superfast & Superclean reflects the expertise that Glatt has accumulated over its 40 years in the field, setting the bar for performance and versatility higher than ever before.

This innovative coating equipment achieves exceptional standards and delivers outstanding, reproducible product quality accompanied by maximum process reliability and optimized handling.

It’s a new benchmark for ultra-fast coating – and that also applies to the total containment and CIP versions.

Elevating coating technology to a new level

The innovative, ingenious coating technology delivers maximum flexibility in a fully perforated drum and features optimized, air guidance without spray drying. The advanced charging and discharging features ensure that tablets are guided more gently than ever before – making products look even better.
Charging (TOP PRECISION)
The long guidance route in the closed charging system prevents abrasion and any potential damage to the tablets. The flat angle ensures that tablets are guided gently into the drum.

Coating process (TOP UNIFORMITY / TOP SPEED)
The perfect combination of proven and innovative elements delivers the very best in coating results. This is all thanks to a whole range of innovative details:

» Optimized mixing baffles for gentle, stress-free, quick, homogeneous mixing
» Optimized drum geometry
» Improved, horizontal air guidance in the drum
» A higher number of spray nozzles, ensuring maximum coating uniformity and minimizing processing time
» Fill volumes of 10% to 100% with just one drum
» Fully perforated drum
» Optional slotted drum for mini tablets
» Cantilevered drum without interfering front support
Spray system
(TOP UNIFORMITY / PRECISION / FLEXIBILITY)

Optimized Glatt nozzle arm, accommodating growing challenges.

It is essential that the spray nozzles and tablet bed work in perfect harmony. The fully automatic nozzle arm ensures that this happens. Three direction settings are available, two of which (dictating the distance and the angle in relation to the tablet bed) can be adjusted from the outside by motor. The spray angle can be fine-adjusted manually, directly on the nozzle arm. A laser monitors the distance of the spray arm from the tablet bed during the entire process. This ensures that the spray nozzles are at the ideal distance from the tablet bed at all times.

Air guidance (supply and exhaust air)

The optimized horizontal process air guidance minimizes turbulence in the nozzle area, contributing further to a perfect coating result. The new design, featuring an exhaust air chamber that is fully integrated in the coater housing, has reduced the number of components required and the amount of space taken up by the equipment to a minimum.

The smart exhaust air chamber design now makes time-consuming cleaning and inspection processes a thing of the past.

Attaching a guide plate in the exhaust air chamber enables the system to switch to accommodating a fill volume of as little as 10% in no time at all, resulting in fast, easy handling.
Nozzles for growing requirements (TOP PRECISION / TOP SPEED)
Glatt nozzles have separately adjustable wide beam and atomizing air. Both media settings are controlled by the recipe. The nozzles are equipped with anti-bearding nozzle caps to increase the service life and are supplied with spraying liquid separately.

Cleaning systems (TOP CLEANLINESS)
The exhaust air chamber’s redesign allows for comprehensive CIP cleaning and ensures that washing water is able to drain away without residue.

Product discharge (TOP PRECISION / TOP SPEED)
Integrated discharging is required for closed systems. The integrated discharge device from Glatt, which enables fast and gentle discharging of tablets, has what it takes to perform this process.

Control systems (TOP PRECISION)
Glatt equipment automatically gives you the tools to achieve outstanding quality. The new GlattView control system offers optimum process monitoring and improved handling, with generous touchscreen monitors included. It is also possible to establish a connection to customer MES.