



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 5 %. 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 50 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.

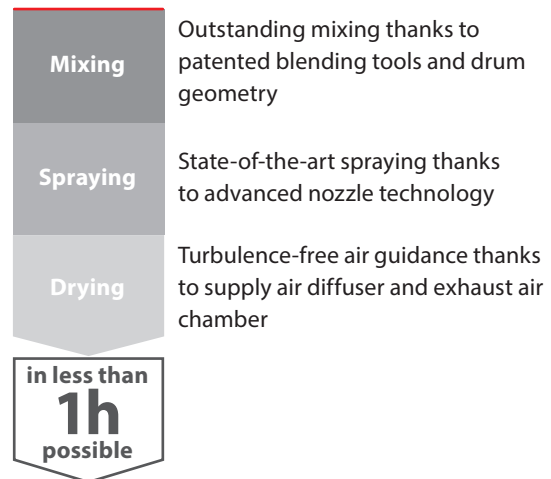
It's a new benchmark for ultra-fast coating – and that also applies to the total containment and CIP versions.

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.

For even better product handling and cleanability.

Charging, coating, discharging in less than 1 hour possible



- » 5 % to 100 % drum loading for maximum flexibility
- » 30 % shorter coating times
- » Exceptional, even coating
- » Integrated charging
- » Integrated, automated tablet discharging
- » Downtimes reduced by 40 %
- » Lower costs per tablet

Five peaks of performance

TOP SPEED

- » More nozzles, higher air volume
- » Unique air guidance through the coater

TOP UNIFORMITY

- » Optimized drum geometry and coordinated mixing elements
- » Low space requirement thanks to new side door kinematics and fully integrated exhaust air chamber

TOP PRECISION

- » Extremely gentle product feeding and output
- » Fast, efficient discharging
- » Nozzle adjustment from outside
- » Closed coating processes that can achieve up to OEB level 5

TOP FLEXIBILITY

- » 5 % to 100 % drum loading also possible without drum modification

TOP CLEANLINESS

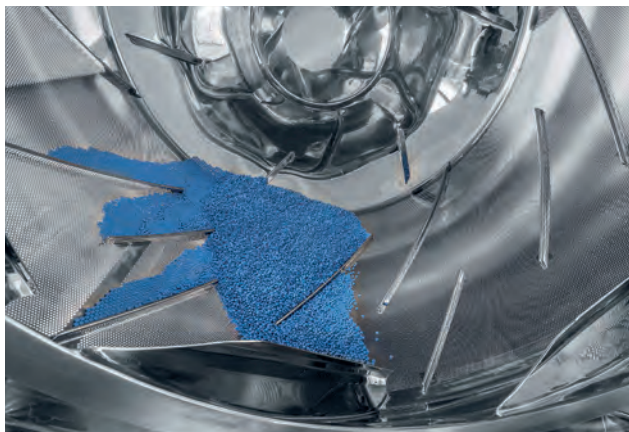
- » Sophisticated design enables CIP cleaning
- » Environmentally friendly circulatory cleaning

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.



Integrated charging



5 % fill volume

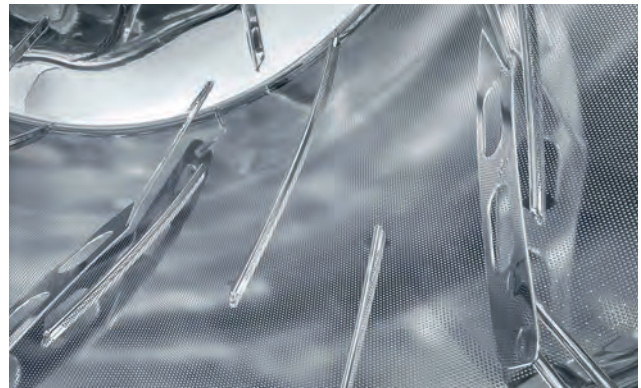


100 % fill volume

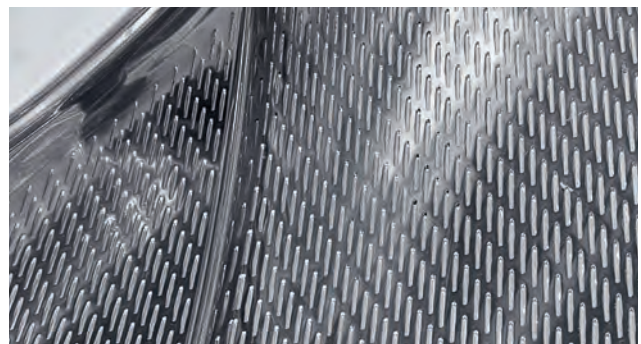
Coating process (TOP UNIFORMITY / TOP SPEED)

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 5 % to 100 % with just one drum
- » Fully perforated drum
- » Cantilevered drum without interfering front support
- » Optional slotted drum for mini tablets



Standard drum with round perforation



Optional slotted drum for mini tablets

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 as recipe parameters. The spray angle can be fine-adjusted manually, directly on the nozzle arm. The distance between the spray nozzles and the tablet bed is monitored by laser during the process and can be adjusted automatically. The spray distance is now documented as a recipe parameter and on the batch report.



Spray arm

Air guidance (supply and exhaust air)

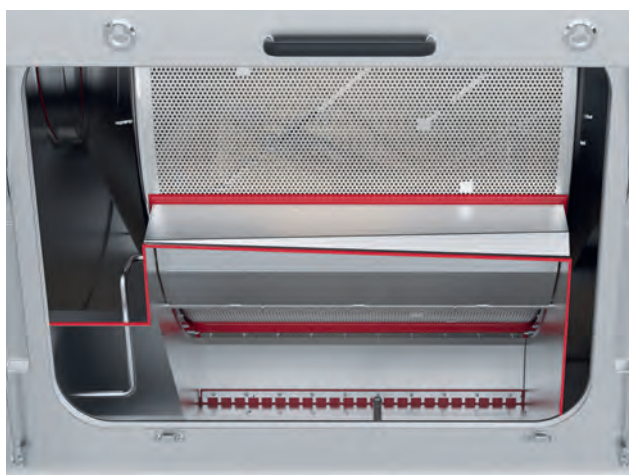
The optimized horizontal process air guidance minimizes turbulence in the nozzle area, contributing further to a perfect coating result. The new design, featuring an exhaust air chamber that is fully integrated in the coater housing, has reduced the number of components required and the amount of space 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 5 % in no time at all, resulting in fast, easy handling.



Supply air diffuser with inflatable seal

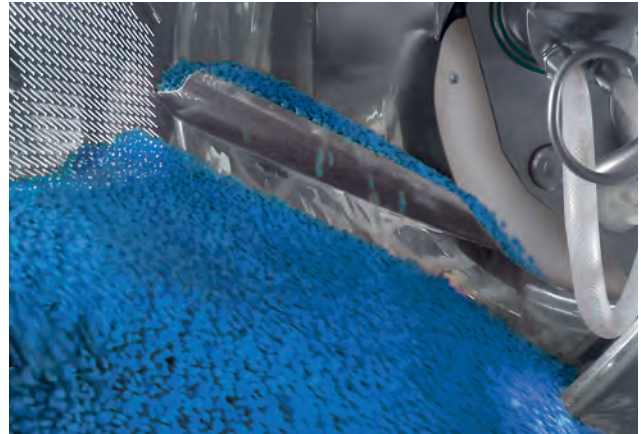


Exhaust air chamber with guide plate



Nozzles for growing requirements (TOP PRECISION / TOP SPEED)

The nozzles are supplied separately with the spray liquid. By measuring the pressure in each individual hose, an impending blockage in the individual nozzle or supply line can be detected and eliminated.



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.



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.



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 and height-adjustable touchscreen. It is also possible to establish a connection to customer MES.





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