



THE FASTEST TABLET COATING TECHNOLOGY IN THE WORLD

Glatt. GCS



EXPERIENCE THE NEW STANDARD IN TABLET COATING TECHNOLOGY



Complete coating process possible in less than one hour

The new GCSmart is developed for extremely fast mixing and coating with the fastest coating technology in the world. The layout of the new mixing elements enables ultra-fast mixing, even with a minimum load of only 10 %.

With the new GCSmart, batch time of only one hour for the complete process - from charging to coating to discharging - becomes a reality.

Benchmark for the fastest coating with maximum safety

The new GCSmart integrates Glatt's expertise from over 40 years of experience in coating technology, setting new standards for performance and diverse applications.

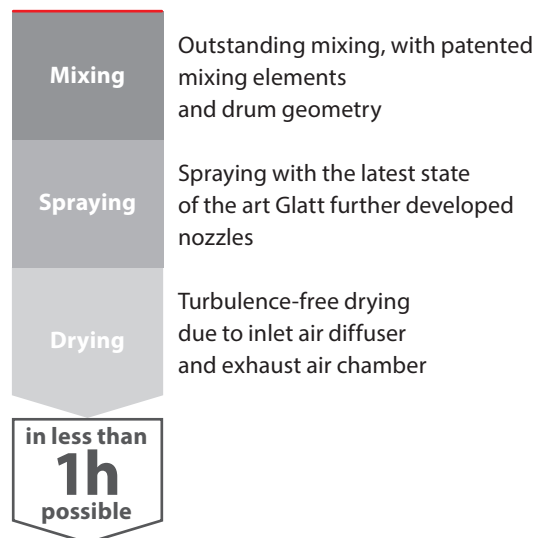
This innovative coating performer stands for consistently high product quality and reproducibility with maximum process reliability and optimized handling.

New standards in coating technology

This innovative coating option offers maximum flexibility in a fully-perforated drum, impressing with optimized, air conduction without spray drying.

The newly developed discharging systems allow for even gentler tablet delivery. This further improves the quality and look of the product.

Charging, coating, discharging in less than 1 hour possible



- » 10 % - 100 % drum charging for highest flexibility
- » 30 % shorter coating times
- » Excellent uniform coating
- » Automated integrated tablet discharge system
- » Reduction of downtimes by 40 %
- » Lower cost per tablet

Five times peak power

TOP SPEED

- » More nozzles, higher air quantities
- » Unique air conduction through the coater

TOP UNIFORMITY

- » Optimized drum geometry and commutated mixing elements
- » Nozzle arm with few exposed hoses

TOP PRECISION

- » Very gentle product charging and discharging
- » Efficient and fast discharging

TOP FLEXIBILITY

- » 10% to 100% drum charging with just one drum

TOP CLEANLINESS

- » Integrated cleaning concept specially designed for the equipment and as per customer requirements.
- » Circulation cleaning

Product charging

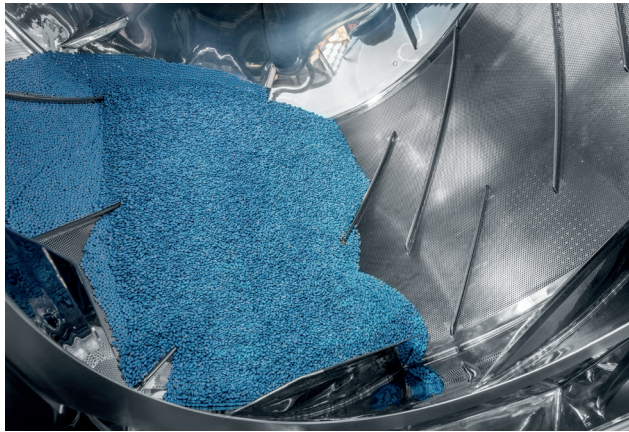
Front charging with a chute can be carried out manually as well as with the corresponding lifting devices.

Even extremely heavy containers can be lifted and emptied in front of the system easily and conveniently with the help of the handling equipment which we develop ourselves.

We are also happy to draw up individual solutions.



Front charging with a chute



10 % filling volume



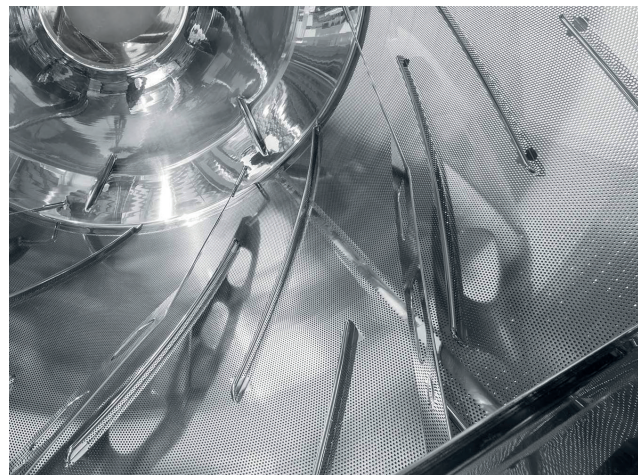
100 % filling volume

Coating process

The ideal combination of tested and innovative elements provides an optimal coating result.

This is backed up by a series of innovative details:

- » Optimized mixing elements for careful, stress-free, and ultra-fast mixing
- » Optimized drum geometry
- » Improved horizontal air guidance into the drum
- » The increased number of spray nozzles ensures the best possible coating uniformity and minimum process times
- » Fill volume of 10 % to 100 % with just one drum
- » Fully-perforated drum
- » Optionally also with slotted drum for mini tablets
- » Cantilever supported drum without disruptive front support



Mixing elements

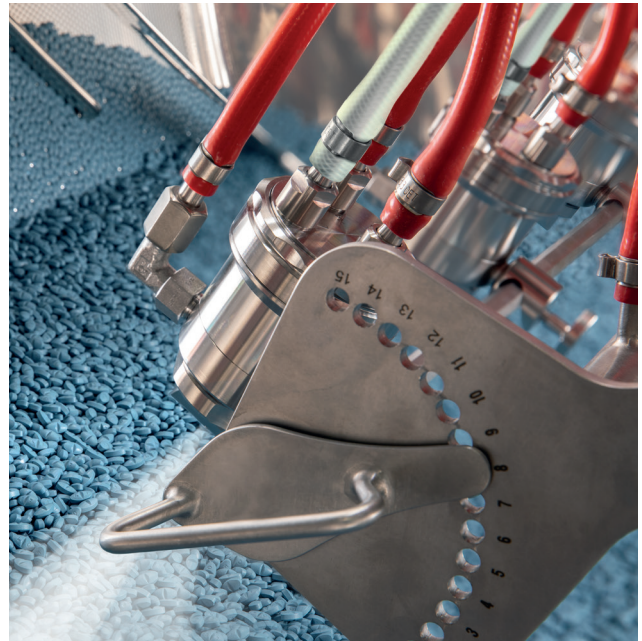
Spray system

The optimized Glatt nozzle arm for high flexibility.

The perfect interaction between spray nozzles and tablet bed is extremely important at all filling levels only 10 % to 100 %, this is governed by the nozzle arm assembly.

In order to achieve the optimum setting of angle and distance to the tablet bed for reproducible coating, the spray arm offers adjustment possibilities in several axes. This ensures that the spray nozzles are always at the optimum distance and angle from the tablet bed.

With the optimized tube guidance, the tubes are made shorter without reducing the working area.



Nozzle arm

Inlet and outlet air guidance

Improved horizontal air flow of the process air further minimizes turbulences in the nozzle area and thus additionally provides an optimal coating.

With the newly constructed design of the 100 % integrated exhaust air chamber in the coater housing, minimizing the previously required space and additional components.

Due to the smart design of the exhaust air chamber, time-consuming cleaning and inspection are now a thing of the past.

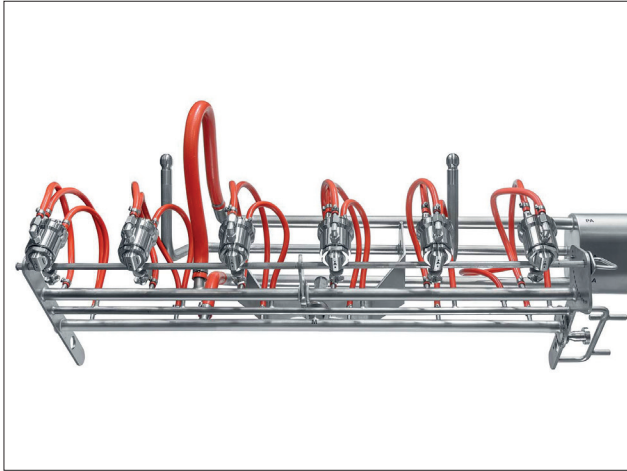
With the installation of a guide plate at the exhaust air chamber, it is possible to change over to a filling volume of less than 10 % in a very short time. The result is a very simple and agile system.



Inlet air diffuser with inflatable seal

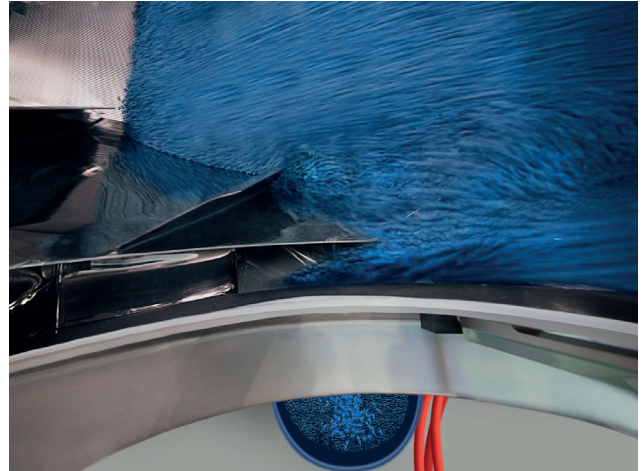


Exhaust air chamber with guide plate



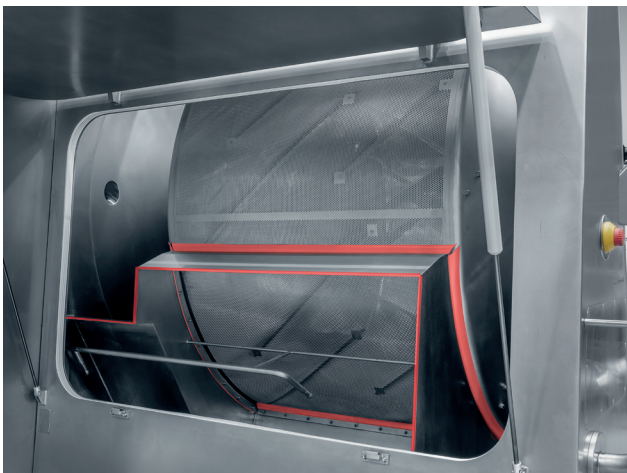
Nozzles for high flexibility

Glatt nozzles have separately adjustable broad-spray and atomizing air. The setting is recipe-controlled. They are equipped with anti-bearding nozzle caps to increase their service lives. Nozzles are supplied separately with spray liquid.



Product discharge

Modern equipment requires an integrated discharge system. This is where the advanced discharge system from Glatt comes into play, which enables tablets to be discharged quickly and gently. The smart new design reduces components to a minimum.



Cleaning systems

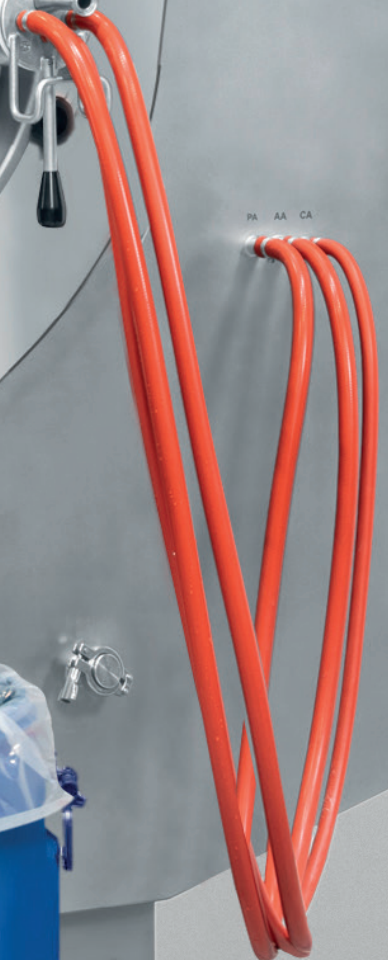
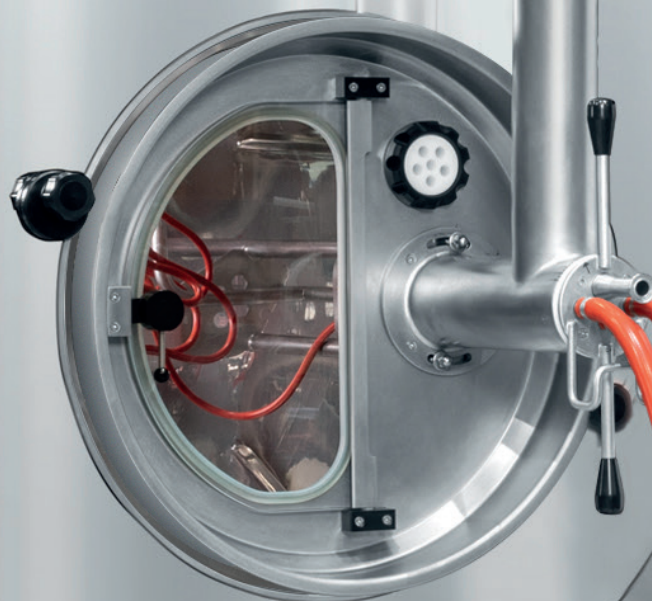
With the new design of the exhaust air chamber the complete WIP cleaning was redesigned and additional cleaning nozzles could be avoided. The new design of the exhaust air chamber also ensures its optimal drainage without residual sediments.



Control systems

With Glatt, you automatically control the highest quality. The new GlattView control system offers optimum process monitoring and improved handling as well as integration with your MES systems.

Glatt® GC Smart





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