



**Genesis Process Technologies**

Committed To Excellence

## GENESIS GC EXCELLENCE AUTOCOATER



Tablet Coating like film coating and sugar coating is key process in tablet manufacturing intended towards masking taste, odor of tablet while giving protection to drug. There are also functional coatings for cases such as of sustained release tablets. While successfully giving all benefits, productivity and quality of tablet is also important for users. Genesis Process Technologies (GPT) presents GC Excellence series of Tablet Auto Coating with innovative interchangeable drum design. GC Excellence offers unique features which help in reducing downtime for batch-to-batch changeovers ensuring more process time every time and every day.



## Unique Features of GC Excellence Auto Coater

While GC Excellence delivers for enhanced utilization and higher output; it is also designed to offer maximum flexibility for the user. While interchangeable drums support capacity variations; GC Excellence coater is also adoptable for film, sugar, functional and drug layer coating based on customer requirement. This versatility that our coater offers gives limitless possibilities of applications for user. Supported with 21 CFR Part 11 compliant automation, ease of scale up and reproducibility of the product is also ensured. Just like our business, **GC Excellence** Auto Coater is built for today's needs and remains adaptable for tomorrow's as well.

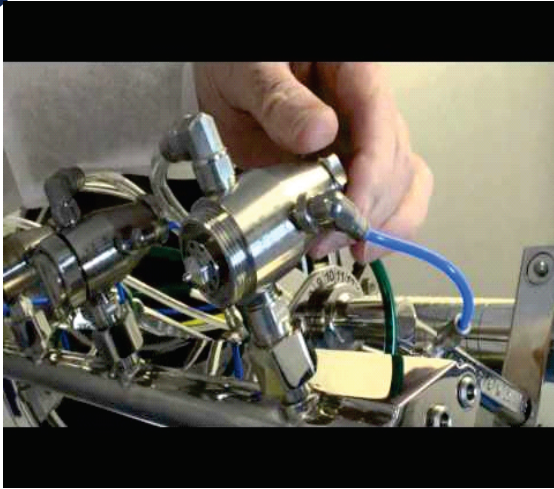
### Flexibility

- Exchangeable drums for unmatched GC Excellence Flexibility
- Easily configured coating equipment to best suit a process
- Process batch loads from 25% to 100% of drum capacity
- Dedicated drums to product classes or to contract manufacturer clients
- East-to-use graphic HMI with multiple language
- Adapts easily to future needs

### Cleanability



- Optimized chamber design for enhanced cleanability
- Removable drum for inspection and Cleaning
- Faster and more effective cleaning
- Reduced cleaning validation expense
- Range of affordable wash-in-place options
- Streamlined sanitary design
- Eliminates air and Solution Lines over spray Zone
- Independent control of atomizing air
- Easy calibration
- Total access design for swabbing and routine inspection
- Continuously welded interior with rounded corners
- Smooth chamber surface finishes throughout
- Turbulence-free air flow path



## Versatility

- Superior performance for a range of coating process
- Aqueous and solvent coatings
- Functional, modified released and active coatings
- Coating with one or more drug layers of coatings material
- Sugar coating
- Maximum coating quality
- High-efficiency tablet Coating equipment's
- Turbulence free air at high flow rated
- Low temperature based on coating
- High-speed coating process equipment's

## Mixing Baffles

- High-efficiency genesis helical mixing Baffles
- Removable for easy off-line cleaning and inspection
- Exchange and selection baffles to best suit a process
- Design for tool-less removal and assembly
- Choice of plow or TEI helical baffle
- Baffle height to match range of design bed depth
- Legacy baffle available for product transfer from other coaters

## Air Handling Unit Features

- Pre-Filtration
- Pre-Heat
- Dehumidification
- Final Heating
- humidification
- Various Air-Flow Ranges
- Computer Controls

## Functionality

- Double Wall insulated inlet unit (Stainless Steel), optional
- Double wall inner Stainless Steel outer galvanized steel
- Air bypass assembly







## GENESIS GC EXCELLENCE LAB COATER



Tablet Coating like film coating and sugar coating is key process in tablet manufacturing intended towards masking taste, odor of tablet while giving protection to drug. There are also functional coatings for cases such as of sustained release tablets. In development stage of any coating process, lab scale unit with functional suitability for scale up is needed at R&D centers. GPT's easy to use bench-top lab scale coater is designed keeping these R&D requirements in focus.

### Footprint:

- 24'x 36' x 30' high (610 mm x 815 mm x 760 mm)
- 12 in (305mm) drum diameter with divider plate attachment
- Suitable for volumes from 0.5 liter to 5 liters

### Innovation

- Coat very small quantities of cores -as few as 100 tablets
- Optional exchangeable tablet coating system with integrated coating chamber, drum, exhaust plenum, and process port available for containments
- Complete separation of product contact area from mechanical space
- Closed transfer for off-bench loading/ unloading under containment available with containment version



## Usability

- 24 x 36-inch (610 mm x 815 mm) footprint -fits neatly on standard laboratory bench
- 10-inch (254 mm) color touch screen HMI
- Front access manual sampling
- Excellent visibility through front window
- Easy disassembly for cleaning at the bench or out of place
- Bench-top or cart mounted for mobile application

## Versatility

- Aqueous and solvent film coating processes
- Functional and modified release coatings
- Coating and modified released coatings
- Tablets mini-tab and beads
- Optional execution for handling potent compounds



## Functionality

- Drum capacity 5 liters
- Fully perforated drum with anti-slide bars
- Spray nozzle with anti-bearding cap
- Exhaust temperature set point control
- Optional independent control of atomizing and pattern air
- External spray nozzle positioning with coater door closed



## THE WORLD'S MOST ADVANCED TABLET COATING SYSTEMS GC EXCELLENCE

We believe your organization deserves the maximum ROI from your pharmaceutical machinery parts and equipment. Our coaters offer a long lifecycle, consistent performance across multiple batches, and a uniform level of coating on your tablets. However, it was not enough just to make our coaters effective. We also had to make them user-friendly.

All of its cleanability features will lower the risk of cross-contamination and make your cleaning process more straightforward.

The pharmaceutical industry demands a pace of constant improvement and innovation in nearly all aspects. We believe that the highest levels of quality and productivity can be achieved through a passion for invention and dedication to customer service.

The requirements for the validation of processes, training, process optimization, and problem-solving calls for an organization that has comprehensive service and a stellar product line.

As a company, we are devoted to making sure that our clients see the maximum return on investment when they partner with us. To provide that value, we have focused on delivering longevity of performance, high yields, and superior quality. The **GC Excellence 1000** provides all of that and more for our clients. All of its cleanability features will lower the risk of cross-contamination and make your cleaning process more straightforward.

Model Name	Drum Diameter		Capacity in Liter	Capacity in KG	Drum Speed	Number of Guns
GC Lab 12" (6.4Kg)	304	Conical Drum	1.2-5	0.9-4	2-30	1
		Cylindrical Drum	2-8	1.6-6.4		1
GC 24" (40 Kg)	609.6	Conical Drum	7-25	5-20	2-16	2
		Cylindrical Drum	12-50	9-40		3
GC 36" (120 Kg)	914.4	Conical Drum	30-110	24-88	2-12	3
		Cylindrical Drum	40-150	32-120		4
GC 48" (260 Kg)	1220	Conical Drum	47-190	37-150	2-10	4
		Cylindrical Drum	82-330	65-264		6
GC 60" (500 Kg)	1525	Conical Drum	115-460	92-368	2-8	6
		Cylindrical Drum	175-700	140-560		8
GC 72" (1000 Kg)	1830	Conical Drum	175-700	140-560	2-6	8
		Cylindrical Drum	315- 1250	250-1000		15