



The economical choice: Tablet Coater BTC



The Bohle coater series BTC guarantees first class processing with the highest efficiency. Some of the many outstanding advantages of the most innovative coater in the market:

- Fast, problem-free coating
- High uniformity
- Up to a 35% shorter processing time in comparison to conventional coating systems
- Gentle tablet handling
- Minimal spray drying and increased coating efficiency (low loss of suspension, no "twins")
- Fast and easy tablet discharge
- User-friendly software
- Optional WIP cleaning
- "Through the wall" installation

Tablet Coater BTC

	BTC 100	BTC 200	BTC 400	BTC 600
Batch size (max. volume) [Litre]	50 - 160	100 - 300	200 - 650	400 – 980
Pan diameter [mm]	890	1112	1430	1640
Pan length [mm]	1420	1760	2247	2570
Air flow [m ³ /h]	1500	3000	6000	9000
No. of spray nozzles	4	6	8	10
Overall dimensions (LxWxH) [mm]	2500x1480x1850	2850x1600x1950	3350x2150x2300	3750x2300x2350
Suspension unit	All nozzles are fed by one peristaltic pump head			
Control system	PLC control with a touch panel interface			
Pan design	Ensures fast discharging and ideal mixing behaviour of tablet bed			
Power supply	3 x 400 V / 50 Hz (or acc. to other local requirements)			
Choice of Options				
Mass flow control of coating liquid	By mass flow meter or with balance			
Solvent coating	According to RL 94/9/EG (ATEX 95)			
Inlet air dew point temperature control	Preheating, dehumidification optional			
Inlet / Exhaust HEPA - filtration	With DEHS monitoring and differential pressure control			
Cleaning options	Modular WIP-System			
Qualification	FS, DS, DQ, IQ, OQ			
21 CFR part 11 compliance	Electronic records			
Computer validation (GAMP 4)	According to GAMP 4 guideline			

Technical modifications reserved.

In addition to the established Bohle coating systems (like the BFC and the BFC TriPan), we developed a new coater to face the market needs, the Bohle Tablet Coater BTC.

The new coater combines all the key features and advantages of the high-end Bohle Film Coater BFC in an economical package.

The BTC provides unparalleled tablet consistency and efficiencies resulting in a high speed, problem-free coating.

Bohle's patented air flow design within the coating pan reduces the likelihood of spray drying. The inlet and exhaust air flows are guided through the tablet bed producing a constant flow within the bed and minimizing turbulence above the bed. The air flow is cooled while in the tablet bed and not in the spray zone. Spray drying is virtually eliminated resulting in minimal coating solution loss, uniform tablet surfaces and a high quality, defect-free film coat.

The BTC incorporates (like the BFC) a smaller diameter, elongated coating pan with unique mixing baffles. This pan design offers an increased tablet spraying surface area allowing for the delivery of more suspension solution (total higher spray rate from increased number of nozzles). The benefits are a reduced overall time for the complete coating process, and a reduction in the static pressure on the underlying tablets within the bed.

The integrated mixing baffles, in conjunction with the overall pan design, lead to superior tablet blending with the gentlest handling possible. The baffles are configured in a double helix-shaped arrangement, guaranteeing thorough and efficient tablet mixing (no "dead" zones). "Twin" formation is avoided via comprehensive mixing, constant air flow through the bed and reduction of static pressure. Furthermore, this special baffle design allows for quick, 100% tablet discharge by simply reversing the rotation of the pan.

The BTC spray arm including the spray nozzles is mounted on the front door assembly. Inspection and maintenance of the arm and nozzles are easily accomplished whenever the front door is open.

The Bohle Tablet Coater BTC incorporates an ergonomic design that allows for efficient material handling and is capable of Wash-In-Place functionality (WIP). Large radius corners and smooth process surfaces facilitate Wash-In-Place (WIP).