

HSM 300 X•ONE

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An advanced series of high-shear mixer granulators that ensure faster processing and narrow particle-size distribution, while achieving content uniformity in the dry mix. The system is equipped with the ACG X•ONE command process control system and features the unique MOST™ safety concept.

The HSM 300 X•ONE is designed for small production batches and can be integrated fully into a granulation train or used as a standalone unit.

Applications

Wet granulation, mixing, hot-melt granulation



Features	Benefits
Unique product bowl geometry	Facilitates uniform mixing by maintaining a roping flow regime, and faster process stabilisation due to linear scalability features – ensuring optimum mixing efficiency
Available with a Z-shaped impeller and multi-blade chopper	Superior centrifugal force means significantly fewer dead zones and achieves uniform binder distribution for higher yield and optimal particle-size distribution
A 12-bar pressure shock-resistant system featuring the Maximum Operator Safety Technology (MOST) concept approved by FSA in Germany and compliant with ATEX (Directive 2014/34/EU)	No mechanical deformation caused by pressure-shock. Production can be resumed in the shortest possible time. A far safer working environment, thanks to a non-vented, fully contained design
Multiple systems for charging, discharging and wash-in-place (WIP)	Efficient product handling and easy cleaning, which means higher yield
ACG’s exclusive X•ONE command process control system	Compliant with ATEX (Directive 2014/34/EU), GAMP 5 and 21 CFR Part 11, this advanced technology allows intuitive, secure monitoring and control of the system

Technical specifications

Working volume	Min	90l
	Max	240l