

CONSIGMA®

Dosing and Blending Modules



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ConsiGma® DB modules offer standalone continuous dosing and blending operations, with a choice of blender type, depending on the application.

Designed to achieve optimal blending results, the ConsiGma® DB modules facilitate the testing of dosing and blending operations and can be integrated with any continuous up- or downstream process.

Depending on its configuration and the formulation, the system can achieve throughputs of 15 to 600 kg/h.

The Conductor software ensures seamless control of the entire process and full reporting. Tracking of OOS and material genealogy can be integrated into the controls. Handshaking with up- or downstream equipment can also be offered.

ConsiGma® DB modules can be implemented in a wide variety of situations, including the following:

- Dosing and blending of external phase additions (lubricant) together with a pre-blend
- Dosing and blending of multiple components.

- As an R&D module to investigate the dosing and blending process for NCE, orphan drugs or low-dose APIs
- As a dosing and blending unit combined with other continuous up- or downstream processes for both low dose and high throughput products, depending on the configuration.

The modules are suitable for ethical, CDMO, generic, nutraceutical or CMO operations.

Cleaning

From simple cleaning options to systems for high containment applications, GEA offers a comprehensive range of cost-effective technologies for our ConsiGma® modules. Working together, we can help you to select the most appropriate solution for your plant or line. Discover more in our "Cleaning Solutions for ConsiGma®" brochure. There's a better way to meet your specific requirements.



Dosing and Blending Modules with GEA Linear Blender.

Scope

- 2 feeder table options
- 1 or 2 linear blender (70, 120, 175 mm)
- Interface with customer equipment

Applications

- R&D of blending process
- Automated preparation of preblends
- NCE, Tier 2/3 ethicals

Main Benefits

- Suitable for poorly flowable materials
- Lower cost to implement CM with existing press
- Efficient and robust blending
- Up to 600 kg/h

Standard Configuration

- 2 to 7 loss-in-weight feeders
- 70, 120 or 175 mm linear

Available Options

- Choice of feeder (GEA or qualified third-party supplier)
- Blend uniformity measurement with Lighthouse Probe®
- Customer selected tablet press (GEA or other – control interface to be clarified)
- OOS rejection
- Material genealogy
- 7 feeder table design
- 2nd linear blender (same diameter)

Dosing and Blending Modules with GEA Ribbon Blender.

Scope

- 2 feeder table options
- Ribbon blender
- Interface with customer equipment

Applications

- Easily blended formulations
- Shear sensitive powders
- Granule & external phase blending

Main Benefits

- Blending up to 400kg/h
- Lower investment into CM with existing tablet press

Standard Configuration

- 2 to 4 loss-in-weight feeders
- 2 possible sizes of ribbon blender

Available Options

- Choice of feeder (GEA or qualified third-party supplier)
- Continuous flow or mini-batch blending capability
- Blend uniformity measurement with Lighthouse Probe®
- Customer selected tablet press (GEA or other – control interface to be clarified)
- OOS rejection
- Material genealogy
- Integration with roller compactor



Further information

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