

# Flour Milling

## Micro-Batch Feeders MBF

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### Description ▼

The MBF Micro-Batch Feeder for continuous volumetric feeding of powdery materials consists of a casing entirely manufactured from stainless steel or steel-reinforced SINT® engineering polymer body, a horizontally mounted rotating agitator tool, a feeder screw beneath the agitator tool, a feeder pipe enclosing the protruding feeder screw, one drive unit each for agitator and feeder screw.

### Function ▼

MBF Micro-Batch Feeders for feeding of powdery materials are particularly suitable for poorly flowing materials which tend to clog, along with adhesive products.

Fed through a bag opening hopper, a bulk bag discharger, or another feeding device, the agitator tool manages to keep the material flowing, reducing at the same time the possibility of formation of lumps or bridges.

The size of the material particles is of utmost importance when choosing the type of feeder screw. Poorly flowing materials with cohesion or bridging problems are homogeneously fed into the feeding zone by the blending or agitator shaft which is shaped according to the product properties.

Depending on the user's individual requirements, the MBF Micro-Batch Feeder can be supplied with alternative feeder screws and blending tools and with various accessories.



### Applications ▼

MBF, which come in various configurations, are suitable for feeding granules or powders.

Design flexibility enables feeding of flour, gluten, vitamin or additives in general.

Typical areas of application are production lines for enriched flours or for formulation of flours for special application lines.

Typical positions within the plant are on weighing scales for loss-in-weight installations next to the mixing system. Furthermore, they are positioned inside dosing stations on top of weighing scales upstream of the mixer.

### Benefits ▼

- ✓ Easy integration into the plant;
- ✓ Feeding of different additives with the same unit thanks to interchangeability of components;
- ✓ Small number of parts makes maintenance easy and quick;
- ✓ Independent drives for agitator and feeder tool leave all options open in terms of drive power and tool speed;
- ✓ Maximum safety for OEM and user thanks to ATEX-certification;
- ✓ Process reliability due to back-up by WAMGROUP® test labs;
- ✓ High degree of homogeneity of fed material thanks to blending/agitating tool;
- ✓ Easy and quick internal cleaning thanks to quick-access inspection panel.

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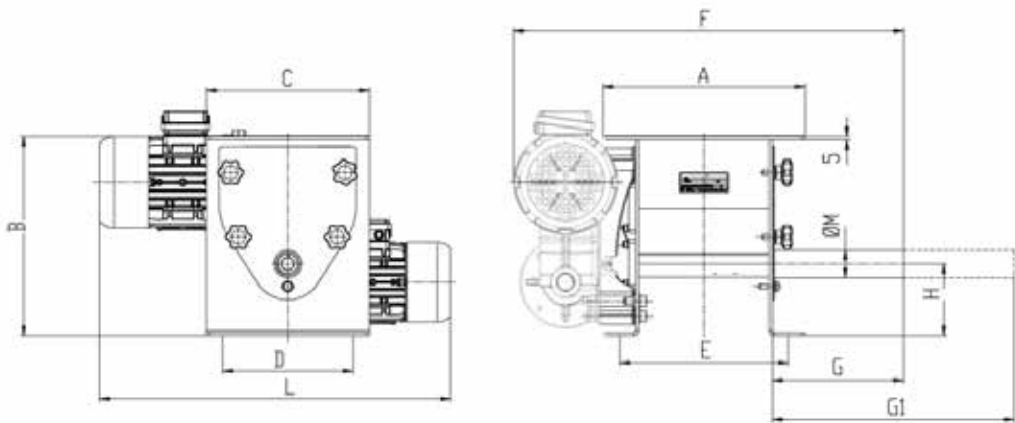
## Micro-Batch Feeders MBF



### Technical Features / Performance ▼

- ▶ Wide range of interchangeable machine components
- ▶ Suitable for powders or granular materials
- ▶ Compact design, small footprint
- ▶ 3 sizes available with feed rates ranging from 3 dm<sup>3</sup>/h to 4,000 dm<sup>3</sup>/h
- ▶ Agitator and feeder tool with independent drives
- ▶ Internal geometry ensures smooth feeding of particularly difficult materials
- ▶ No material residue
- ▶ Quick-access inspection panel available for stainless steel feeders
- ▶ Contact surfaces in SINT® engineering polymer or 304 SS (316 optional) material
- ▶ Different types of 304 SS shaft sealing systems

### Overall Dimensions ▼



MBF	A	B	C	D	E	F	G	G1	H	L	M	N	dm <sup>3</sup>	kg
042	310	295	250	200	260	595	200	370	100	535	42	12.5	5	40
073	464	486	390	305	410	855	250	500	135	600	76	12.5	28	105
114	464	486	390	305	410	855	250	500	135	600	114	12.5	35	110

Dimensions in mm

*This datasheet might not show the complete range but only the models most suitable for the application.*