

# GRAVIMIX®

## FGB • MECS

- Max. Capacity: approx 50 kg / h\*
- Number of components: 2, 3 or 4
- Easy Clean System
- Various control options
- Compact and robust
- Auto-Pulse System



### Gravimetric dosing

The smallest GRAVIMIX dosing-blending system FGB MECS, is designed for efficient and accurate dosing of dry, free-flowing thermoplastic materials. The FGB MECS is especially suited for injection-moulding, small extrusion and blow-molding machines where consistency and high quality of the finished product is required.

The Easy Clean System is the bench mark for the industry, it is the improved version of the FGB MINI, already revolution at its introduction. Easy Clean System means no need for the loaders to come off if you need to take off the hoppers for cleaning. Of course without the need for tools.

Due to the high and consistent dosing accuracy, the additive percentage can be reduced to lower tolerance limits without rejects or a loss in quality. The resulting savings in additives leads to a direct reduction in production costs.

The FGB MECS is suited for dosing of virgins (granulate), free flowing regrind, masterbatch and/or additives. This compact and space-saving blending system can be installed directly on the throat of a processing machine. Due to simple removable parts a quick cleaning and material change is guaranteed.

Components are dosed after each other into the weigh-bin, which is supported by an accurate weigh system. After weigh out the complete batch is discharged into the mixing chamber and the horizontal mixer provides a consistent blend. A level sensor outside the mixing chamber controls the complete blending cycle. The FGB MECS is an economic and user friendly blending system.

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Accuracy is our policy

**Technical Specification**

**Accuracy**

The system will weigh to an accuracy of 1/100 of a gram. On the user-interface, the display will show the weight of each component in 1/10 of a gram (for user-interfaces see separate documentation).

**Configuration**

The FGB MECS is designed as standard for the dosing of four components and all construction and material contact parts are in stainless steel. The removable hoppers are provided with a new design of vertical slide gate and the unique mixing chamber with integrated mixer and closing slide can be removed in one piece being designed to completely discharge all material so cleaning is easy and fast.

Depending on the process, the FGB MECS can be delivered with an economic plug-in interface (microprocessor controlled) or a sophisticated industrial PC with touch screen. All material hoppers can be equipped with low level sensors for an additional warning (option). These units can be supplied with small hopper loaders, vacuum pump with filter and control.

**Technical Data**

Batch weight	kg	0.5
Number of components	max	4.
Capacity for 4 components	kg / h	50*
Content material hoppers	liter	8
Content mixing chamber	liter	3,2
Voltage	V / Hz	240, 50/60
Power consumption	kW	0.05
Compressed air	Bar	6
Compressed air consumption about	NI / h	60
Size L x W x H	mm	450 x 450 x 685
Weight approx	kg	35

\* The capacity depends on the number of components, material characteristics, bulk density and percentages.

*Construction Changes by continuous innovation reserved.*

