

GRAVIMIX®

FGB • MINI



- Throughput:
ca. 50 kg/h*
- Components:
2, 3 or 4
- Different control
systems
- Compact en solid
- 'Auto-Pulse' system

GRAVIMIX, more than 50 models available!

Gravimetric blending

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

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-MINI 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-MINI is an economic and user friendly blending system.

Ferlin

trading • engineering • plastics automation

the right balance in efficiency

Technical specification

Accuracy

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

Configuration

The FGB-MINI 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. Dependent on the process, the FGB-MINI 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

Batchweight	kg	0.5
Number of components	max.	4
Throughput with 4 comp.	kg/h	50*
Contents of material hoppers	litre	6
Power supply	V/Hz	240, 50/60
Power consumption	kW	0.05
Compressed air supply	Bar	6
Compr. air consumption	NI/h	60
Dimension W x L x H	mm	450 x 450 x 685
Weight (excl. interface)	kg	35

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

Subject to alteration without notice to ensure continuous improvement of design.

