

Gravimaster GM 0.5

Dosing of dry, free-flowing
thermoplastic materials



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GRAVIMASTER Blending

The smallest GRAVIMASTER dosing-blending system GM 0.5 is designed for efficient and accurate dosing of dry, free-flowing thermoplastic materials.

The GM 0.5 is especially suited for injection moulding, small extrusion and blow-moulding 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 GM 0.5 is suited for dosing of virgins (granulate), free flowing regrind, master batch 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 weighing system. After weighing out the complete batch is discharged into the mixing chamber and the horizontal mixer provides a consistent blend. A level sensor in the mixing chamber controls the complete blending cycle. The GM 0.5 is an economic and user friendly blending system.

- Throughput: 50-60 kg/h*
- Components: 2, 3 or 4
- Different Control Systems
- Compact and Solid
- Auto-Pulse System

Technical Specification Accuracy

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

The GM 0.5 is designed as standard for the dosing of 4 components. The entire unit is made of stainless steel. The removable hoppers are provided with special integrated dosing valves. Depending the process, the GM 0.5 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:	0.5 kg
Number of components:	Max. 4 components
Throughput 2 comp.:	60 kg/h*
3 comp.:	55 kg/h*
4 comp.:	50 kg/h*
Content of material hoppers:	7 L
Content of mixing chamber:	3.2 L
Content of weigh-BIN:	2 L
Power supply:	240 V, 50/60 Hz
Power consumption:	0.05 kW
Compressed air supply:	6 bar
Compressed air consumption:	60 NI/h
Dimension W x L x H:	450 x 450 x 685 mm
Weight (excl. interface):	35 kg

*) 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.

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