

GraviMaster

Dosing of dry, free-flowing
thermoplastic materials



GraviMaster

Labotek GraviMaster 50, 100, 200, 300, 600, 1000, 1500 and 3000 Batch Blenders can accommodate multiple components while providing throughput rates from 50 to 3000 kg/hr, depending on model.

Labotek GraviMasters utilizes a special designed slide valve with a patented reverse-flight auger mixing technology. This combination provides superior accuracy, blend ratio and mixing homogeneity that is not achievable by most competitive systems.

Components are blended by weight based on the ratios entered on the touchscreen. Each component is metered separately into a single weigh hopper, which precisely measures and controls the percentage of each in the final blend.

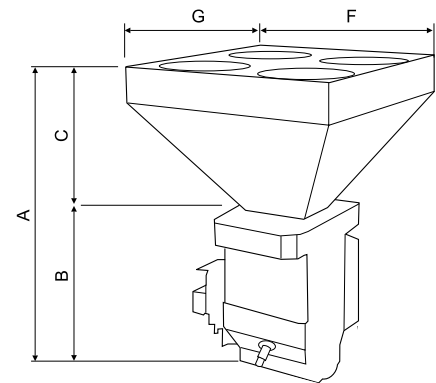
- Faster product changes
- Continuous homogeneous mixing
- Increased regrind usage
- Product consistency
- High accuracy dispensing up to 0.01% of batch

User interface

- Intuitive simple operator functionality
- Comprehensive Report/Alarm management
- Built-in Trending & Data history management
- Industry standard communication protocols

Options

- Extrusion control
- Powder dosing
- Flange adapters
- Offline blending
- Integrated material handling
- Automatic cleaning



Type	50	100	200	300	600	1000	1500	3000
Capacity (kg/h)	50	100	175	300	500	1000	1500	3000
Reservoir hopper volume per comp. (LT)	12	12	12	35	35	32	32	110
Standard no. material components	4	4	4	4	4	4/6	4/6	6/8
Optional additional material components	+2	+2	+2	+2	+2	+4	+4	+4
Standard batch weight capacity (kg)	0.6	0.8	1.2	2	4	7.5	12	25
Mixing motor	1 Ø	1 Ø	1Ø	3Ø	3Ø	3 Ø	3 Ø	3 Ø
Motor (HP)	0.25	0.25	0.25	0.25	0.25	0.36	0.36	1
Motor (KW)	0.18	0.18	0.18	0.18	0.18	0.27	0.27	0.75
Blender weight (kg)	50	50	50	75	80	115	125	225
Max. material temp. (°C)	70	70	70	70	70	70	70	70
* Max. optional material temp. (°C)	130	130	130	130	130	130	130	130
Dimensions								
A - Blender height (mm)	889	889	889	1096	1161	1526	1576	1924
B - Mixing chamber height (mm)	511	511	511	585	650	913	963	1120
C - Reservoir hopper height (mm)	378	378	378	511	511	613	613	804
F - Hopper bin front width (mm)	640	640	640	750	750	760	760	1000
G - Hopper bin side width (mm)	640	640	640	750	750	760	760	1000

*) Contact us for more details on high temperature applications

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