

Gravimaster

Dosing of dry, free-flowing
thermoplastic materials



Labotek
Power in Plastics

Gravimaster

Labotek GraviMaster 50, 150, 350, 650, 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 design slide valve with a patented reverse-flight auger mixing technology. This combination provides superior accuracies, blend ratios and mixing homogeneity that is not achievable by competitive systems.

All components are blended by weight, based on the present blend ratios entered on the touch screen. Each component is metered separately into a single weigh hopper, which measures and controls their percentage.

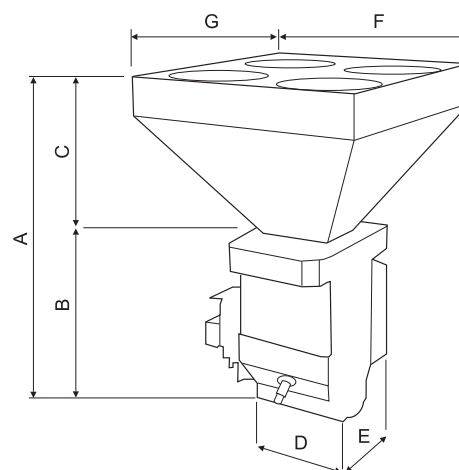
- Faster product changes
- Continuous homogeneous mixing
- Increased regrind usage
- Product consistency
- High accuracy dispensing up to 0.01% of batch

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
- Automatic cleaning
- Integrated material handling



| Type | 50 | 150 | 350 | 650 | 1000 | 1500 | 3000 |
|---|------|------|------|------|------|------|------|
| Capacity (kg/h) | 50 | 150 | 350 | 650 | 1000 | 1500 | 3000 |
| Reservoir hopper volume per comp. (LT) | 12 | 12 | 35 | 35 | 32 | 32 | 110 |
| Standard no. material components | 4 | 4 | 4 | 4 | 4/6 | 4/6 | 6/8 |
| Optional additional material components | +2 | +2 | +2 | +2 | +4 | +4 | +4 |
| Standard batch weight capacity (kg) | 0.5 | 0.9 | 2 | 4 | 7.5 | 12 | 25 |
| Mixing motor | 1 Ø | 1 Ø | 3 Ø | 3 Ø | 3 Ø | 3 Ø | 3 Ø |
| Motor (HP) | 0.25 | 0.25 | 0.25 | 0.25 | 0.36 | 0.36 | 1 |
| Motor (KW) | 0.18 | 0.18 | 0.18 | 0.18 | 0.27 | 0.27 | 0.75 |
| Blender weight (kg) | 50 | 50 | 75 | 80 | 115 | 125 | 225 |
| Max. material temp. (°C) | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| * Max. optional material temp. (°C) | 130 | 130 | 130 | 130 | 130 | 130 | 130 |

Dimensions

| | | | | | | | |
|------------------------------|-----|-----|------|------|------|------|------|
| Blender height (mm) | 737 | 737 | 1094 | 1159 | 1415 | 1465 | 1820 |
| Mixing chamber height (mm) | 413 | 413 | 586 | 651 | 915 | 965 | 1010 |
| Reservoir hopper height (mm) | 324 | 324 | 508 | 508 | 500 | 500 | 810 |
| Blender front width (mm) | 205 | 205 | 562 | 562 | 470 | 470 | 894 |
| Blender side width (mm) | 333 | 333 | 500 | 500 | 680 | 680 | 761 |
| Hopper bin front width (mm) | 652 | 652 | 750 | 750 | 760 | 760 | 1350 |
| Hopper bin side width (mm) | 652 | 652 | 750 | 750 | 760 | 760 | 1050 |

*) Contact us for more details on high temperature applications

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