JCGB

STANDARD SPECIFICATIONS JCGB

MATSUI

Gravimatic Blender (Weight Addition type)

Model			Unit	JCGB - G1 - 064
Power Supply	Voltage		V	AC100~120V, AC200~240V 50/60Hz 1 ϕ 1 Phase
	Apparent Power		kVA	0.15
Air Supply	Pressure		MPa	0.5
	Consumption		NL/min	3
Maximum Measuring Capacity			kg/h	60
Measurement Type				Batch type mass weighing by load cell
Number of Components				4 points (fixed)
Hopper	Volume	Natural Material	L	10
		Regrind Material	L	10
		Master Batch Material	L	10
		Additional Material	L	10
Measuring Hopper	Entire Volume of the Measuring Hopper		L	1.8
	Discharge Method			Flap damper
Supply Method of Material		Natural Material		Vertical Valve
		Regrind Material		
		Master Batch Material		
		Additional Material		
Volume per Batch			kg	0.5
Blending Section		Blending Method		Mixing by rotary actuator Power source: air
		Effective Volume	L	2
Product Weight			kg	50
Alarm				Loadcell Overload, Calibration Error, Front Cover Open Error, Setpoint Error, Batch Weight Over Error, Zero Band Alarm, No.1 - No.4 Feed Time Over, No.1-No.4 Overweight Error · No.1 - No.4 Shortweight, Blended Material Drop, Stop by Usage Amount, PLC Battery Zero Error, Touch Screen Battery Alarm
Options				Heat resistant specifications, Floor Frame type, Pressure feed (MB/ADD material only), Lower limit level meter, Residual material discharge chute, Pressure switch, Air gun

- The measuring capacity, measuring accuracy, and equipment processing capacity may vary depending on the target material, and these are reference values.
- The Figures are based on the use of general purpose pellets with a bulk density of 0.5 to 0.6g / cm3.
- The values started in each specification may vary depending on the physical properties of the materials used and the belonging ratio.
- Please consult Matsui when using materials of concern.

PRECISE MIXING RATIO WITH UNIQUE WEIGHING TECHNOLOGY

Supplying blended materials to inject molding machines and extruders, used in many application environments, providing benefits for efficient production, ease of use and resource savings.

MATSUI
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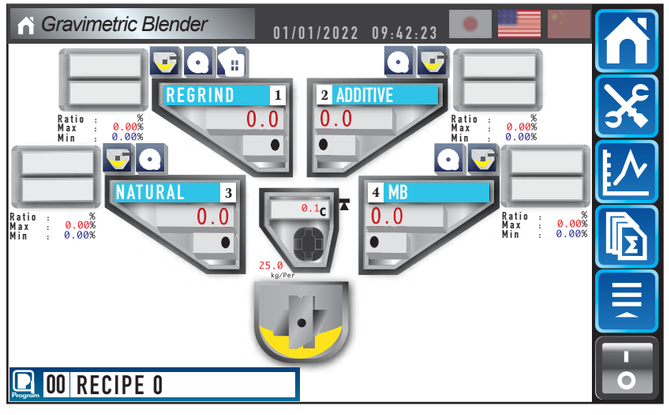
SUMMARY

JCGB is a Gravimetric Blender weighs materials accurately producing even and consistent material blends, which reduces product waste, customer complaints and the time and cost associated with overruns.

The unique specialty blade mixes everything according to specifications and with the ability to record and manage mixing data on the JCGB itself, production becomes more efficient.

Years of research have developed the uniquely shaped mixing blade that evenly stirs material. The blade can be reversed so materials can be mixed evenly, producing product blends that are un-discernable from ideal manual hand blends.

OPERATION PANEL *(7" COLOR TOUCH PANEL)*



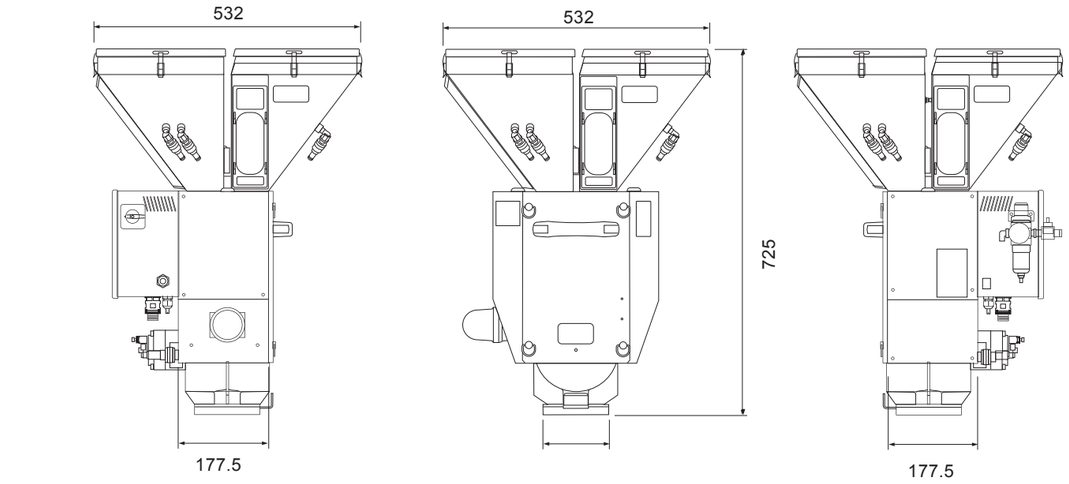
High speed sampling is enabled by the newly developed load cell amplifier which can detect changes in loads at shorter intervals producing highly accurate measurements.

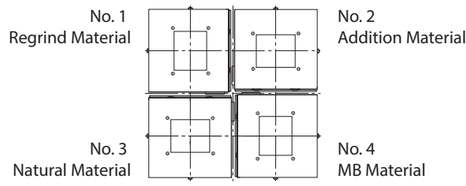
Digital vibration-cancellation filter allows for installation directly on molding machines so there is no need to transport blended materials and eliminating the re-separation that can occur in transport.

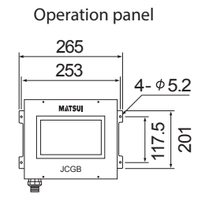
INSIDE THE MATERIALS HOPPER

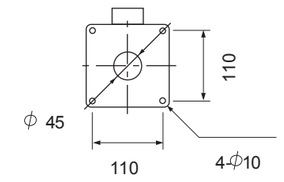
Equipped with a vertical valve that is compact and simplified mechanism. As the valves fit inside the material hoppers and the hoppers mount to the body, dismounting and remounting the hopper is done smoothly.

OUTER DIMENSIONS *(All Measurements in mm)*









The material hopper is hooked and fixed into the frame of the main body. The material supply valve inside the material hopper is a simple mechanism that is easily removed along with the hopper making material changes quick and easy. Along with this, there are no special tools required to remove the weighing hopper and special blade for easy of maintenance and cleaning.


Material Hopper properly mounted


Dismounting material hopper.


Door Closed


Door open

FEATURES

- Small in size, maximum capacity of 60kg/h, but does not skimp on power allowing for quick and efficient completion of batches.
- Virtual Network Control (VNC) availability with iOS and Android, also compatible with most VNC of IMM, allwoing operator to control from one mobile location.
- Precise mixing ratio with unique weighing technology.
- Modbus communication a standard via **Transmission Control Protocol** (TCP)