

SOMOS® Batchmix

Application

The Batchmix 50 to 3000 models cover gravimetric dosing applications with throughputs of 5 to 3,000 kg/h. Usable for pellets and regrinds. Solutions for special applications are available. Depending on size, the machines can handle between 4 and 12 different materials and option packages are available to extend their functionality. The unique mixing technology used maximizes the dosing accuracy and uniformity of the mixed product.

Features

– User-friendly control

The integral controller provides data logging, report and alarm management, filling level limitation and extrusion control (incl. master-slave mode) as an option. Storage capacity for up to 300 formulations and software updates are possible.

– 4.0 Smart Connected Product

Each unit is IIoT ready for direct web connection. Full data collection and performance monitoring is available as an option.

– Optimized process control and monitoring

The technology used ensures reliable process control and highest levels of dosing accuracy. Material throughputs of up to 0.1 % of total throughput are possible. The touch display's graphical user interface allows simple parameter setting.

– Communication made simple

The integral Ethernet, RS-422 and USB interfaces mean the units can be incorporated into higher-level control systems.



– Simple to use, durable and robust

The design means ease of installation and commissioning, a long service life and easy cleaning.

– Impressive product range

The wide product range, totaling 14 models, covers material throughputs from 5 to 3,000 kg/h for standard applications. Solutions are available for special requirements.

– Flexibly expandable

Option packages are available to extend the functionality of all models, for example for powder dosing or attaching conveyors.

All models are designed for maximum material temperatures of up to 70 °C and a high-temperature version (130 °C) can be supplied as an option.

Optional accessories



Machine adapter
for connecting Batchmix to processing machinery



Mounting plate for SOMOS® conveyors
for filling the Batchmix



Pneumatic shut-off valve
for shutting off material outflow



Rapid emptying inserts
for extending hopper functionality



Magnet drawer
for removing unwanted magnetic residues from the pellets



Machine base
for installing Batchmix separately from processing machinery



Additive dosing units
for installation on the base unit for dosing additional materials

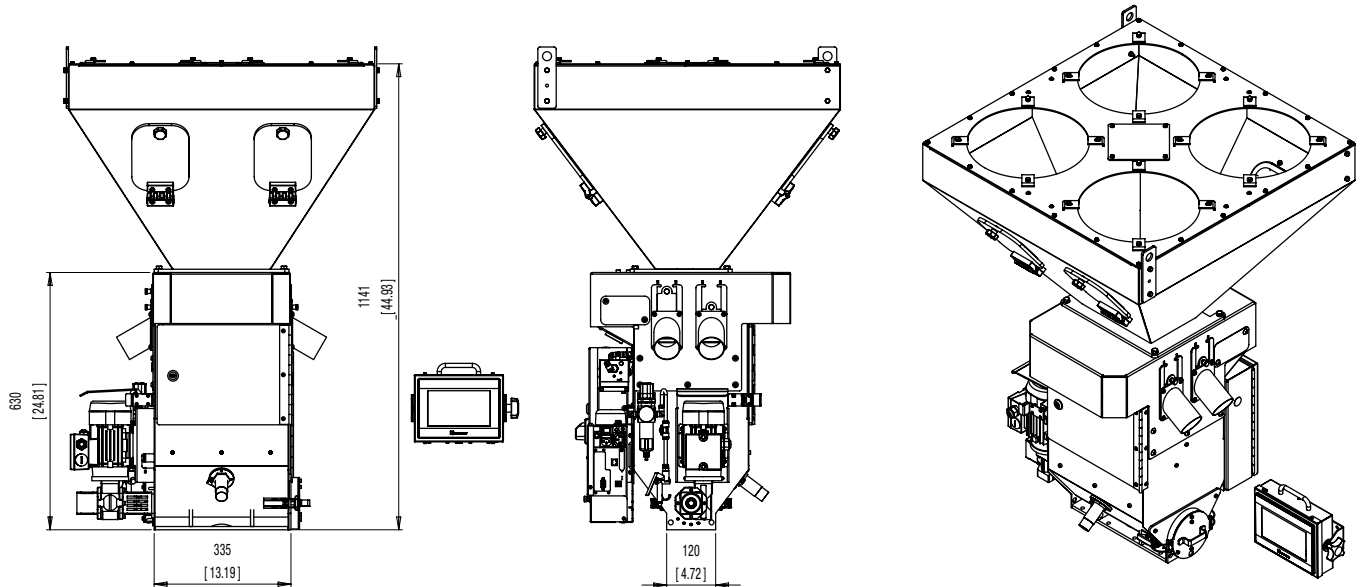


Material flow solutions
driven by electric motor (screw) and electrically (shaker) for loosening material



Suction boxes
for suction discharge of the mixed material

Technical Data



(Dimensions taken by way of example from Batchmix 350)

Model	A*	B	C	D	E	F	G	H	I	J
Batchmix 50	5 - 50	0.5	4	6	2	---	---	50	50	1~230VAC/50Hz
Batchmix 150	5 - 150	0.8	4	6	2	---	---	50	50	1~230VAC/50Hz
Batchmix 250	5 - 250	1.2	4	6	2	---	---	50	50	1~230VAC/50Hz
Batchmix 350	5 - 350	2.0	4	6	2	Opt.	Opt.	63.5	130	3~380VAC/50Hz
Batchmix 650	5 - 650	4.0	4	6	---	Opt.	Opt.	63.5	130	3~380VAC/50Hz
Batchmix 1000	5 - 1,000	7.5	6	8	2	Opt.	Opt.	102	180	3~380VAC/50Hz
Batchmix 1500	5 - 1,500	12.0	6	8	2	Opt.	Opt.	102	180	3~380VAC/50Hz
Batchmix 3000	5 - 3,000	25.0	6	12	2	Opt.	Opt.	102	225	3~380VAC/50Hz

A Material throughput [kg/h]
* throughputs valid for standard version,
see column C

B Batch size [kg]

C Number of dosing components, standard version

D Maximum number of dosing components
(standard version + options)

E Option: max. number of additional dosing components
for dusty materials (powder additives etc.)

F Option: additional dosing component for liquid additives

G Option: integral automatic reservoir bin cleaning

H Material outlet opening [mm]

I Unit weight [kg]

J Voltage/number of phases

Just contact us for any further information.

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