



# easYbatch

## The Traditional Weighted Batch Blender

**EASYBATCH** is a traditional weighted batch blender, designed to dose and blend multiple components in sequence for all processes where constant gravimetric feeding and an homogeneous mix is required.

### OPERATING PRINCIPLE

Each ingredient is metered in sequence by slide gate valves in to the weighing hopper mounted on two load cells. Once the pre-set batch weight has been reached, the load cell sends a signal and the batch is released into the weighing & mixing chamber which combines the batch and the Loss In Weight technology.



### MAIN FEATURES

#### GRAVIMETRIC EXTRUSION THROUGHPUT

The mixer is mounted on two load cells and measures the LIW, controlling the extrusion throughput with continuous accuracy.

#### WIDE RANGE OF SETTING

Due to the different dosing ratios each component can be switched in future from low to high dosing rates.

#### CONVEYING SYSTEM

EasYbatch can be supplied along with an integrated centralised conveying system controlled by the same PLC as the blender.

#### CLEANING

Easy cleaning thanks to the drain spout installed on each hopper plus a compressed air gun is also included.

#### HMI

The blender can be equipped with a HMI touch screen (5.7" - 7" - 10") onboard or supplied in a separate remoted box.

#### INDUSTRY 4.0 & IoT

All Syncro machines are ready to be integrated with third party supervisory controls and ERP systems using the latest generation of OPC-UA protocols as standard.

#### MIXER MOTOR SYNCRO

EasYbatch uses a three phase motor for its mixer along with a dry gearbox avoiding any possible motor overheating and oil leaking.

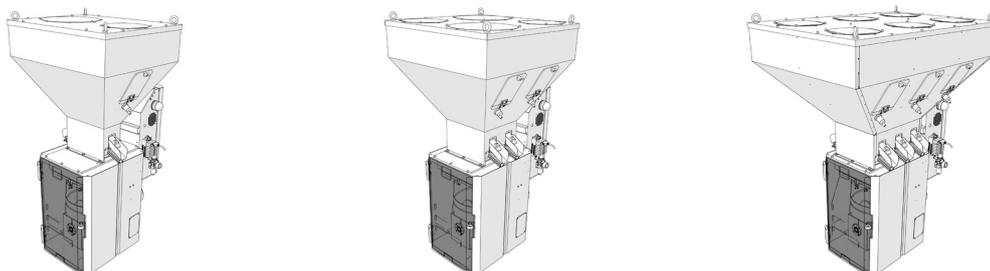
#### MIXER SHAPE

Spherical shaped mixer avoids any residual material hang-up.

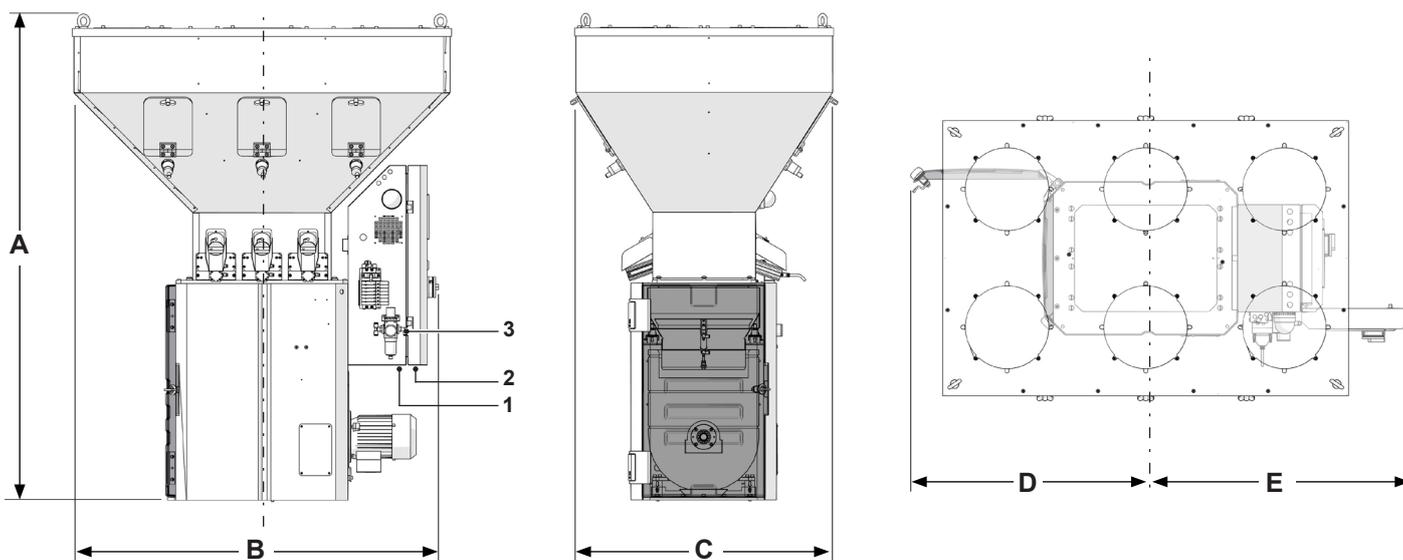
#### EASY ACCESS FOR MAINTENANCE

The inspection doors, designed to facilitate access to the machine, speed up cleaning and maintenance operations.

**MODULARITY**



**TECHNICAL DATA**



Model	S2	S3	S4	S5	S6	SP2	SP3	SP4	SP5	SP6	M2	M3	M4	M5	M6	L2	L3	L4	L5	L6	LP2	LP3	LP4	LP5	LP6
Nominal inlet throughput (kg/h)*	340	300	240	200	180	460	410	350	300	270	1100	1050	860	630	570	1640	1430	1300	1020	950	2200	2100	1950	1670	1470
Max Batch Weight (kg)	2,5					4					8					12					18				
Gross Volum single compartment (L)	38	26	25,6	38	26	26,5	68	80	96	85	128	125	85	128	125	85	128	125	85	128	125	85	128	125	85
Installed Power (kW)	0,9															1,13									
Consumption Power (kW)	0,6															0,8									
Consumption Compressed Air (NI/h)	85	125	165	205	245	85	125	165	205	245	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300
Suitable MAX valve diameter (mm)	44										60														
Suitable hopper loader model	F270										F270 - F370					F270 - F370 - F470									
Weight (kg)	106	118	120	148	150	126	138	140	168	170	170	188	190	218	220	200	218	220	248	250	215	233	235	263	265
A (mm)	1145					1295					1470					1745									
B (mm)	755	815	1145	755	815	1145	815	895	1268	815	895	1268	815	895	1268	815	895	1268	815	895	1268	815	895	1268	815
C (mm)	660										870														
D (mm)	610										670					730									
E (mm)	720										770														

\* The indicated flow rate values refer to materials with apparent granule density = 0.55 kg/dm<sup>3</sup>, they vary depending on the particle size/type of material. The values given are general indications; depending on the specific percentages and their range in the recipe, a variation of up to ± 20% of the maximum flow rate is possible.

1\_ Communication interface; 2\_ Power supply; 3\_ Compressed air inlet.