SYNCRO®
MEMBER OF SYNCRO GROUP

myblend

The "Pure" Loss In Weight Continuous Blender

MYBLEND is a continuous loss in weight gravimetric blender designed to blend multiple components simultaneously for all processes where a homogeneous mix is critical to achieve an excellent final product. Thanks to its unique design it is the only system to offer inline quality control.

PRINCIPLE OF OPERATION

All the ingredients are continuously and simultaneously metered directly in the integrated weighed collection hopper through a cascade static mixer.
The metered weight is constantly measured in order to detect the level variation guaranteeing a smooth and accurate output control.
Myblend: the only pure gravimetric on the market

MAIN FEATURES

PATENTED CONTINUOUS LOSS IN WEIGHT SYSTEM

MYBLEND is the only pure loss in weight continuous dosing system, during the refill it will never switch to volumetric.

PLC. INDUSTRY 4.0 & IoT

MYBLEND has a PLC with protocol UPC/UA embedded. This solution makes each blender modular and ready for Industry 4.0

CONVEYING SYSTEM

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

MODULARITY

Additional components can be added in the future to allow an easy upgrade to an existing blender.

EXTREMELY LOW %

Thanks to the patented MYBLEND design, the system can dose down to 50 g/h.

GRAVIMETRIC EXTRUSION THROUGHOPUT

The feeders are individually controlled resulting on excellent extrusion throughput control accuracy.

FLEXIBILITY

MYBLEND can run up to 100 % on all of its components.

BLENDING

Thanks to its innovative cascade static mixer MYBLEND guarantees the perfect blend.

CLEANING

MYBLEND components all have removable gravimetric hoppers, so blender cleaning and production changeover has never been so fast and easy for an operator.

HT Version

As an option MYBLEND can manage hot materials up to 180°C.

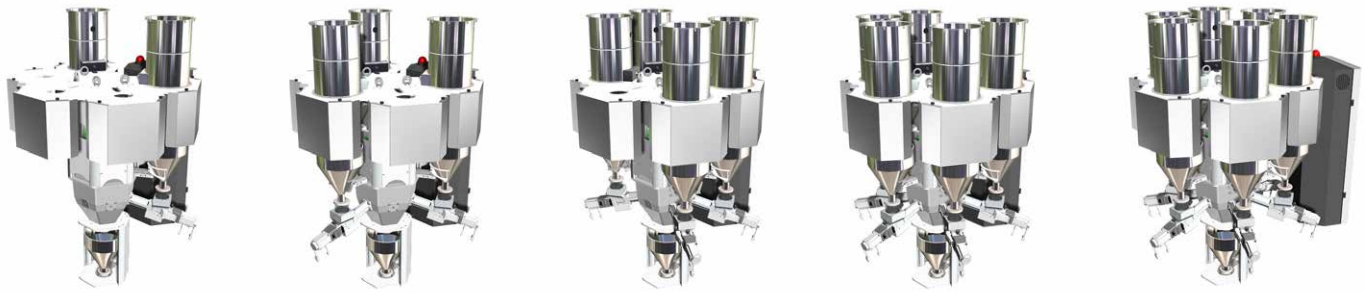
SMARTDRAYN

As an option MYBLEND can be equipped with the automatic draining system SMARTDRAYN.

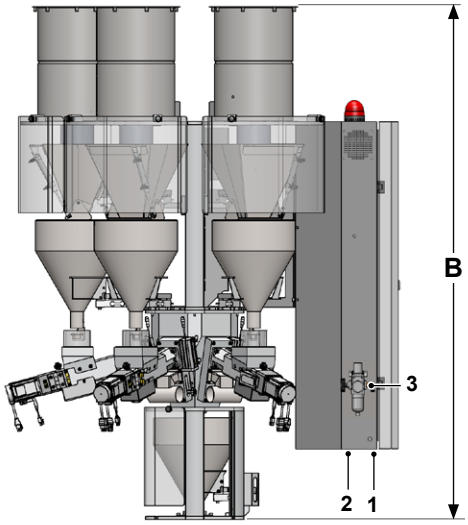
POWDER ADDITIVE

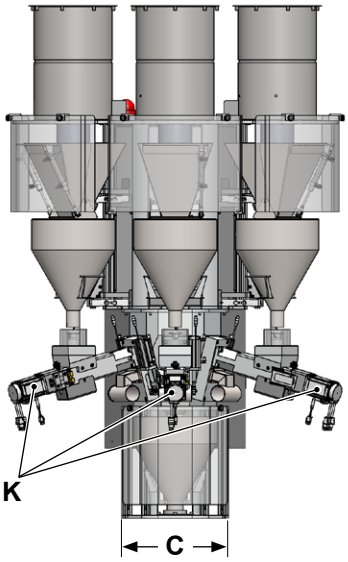
As an option MYBLEND can be installed with a twin screw dosing unit allowing it to meter up to 5% powder additives.

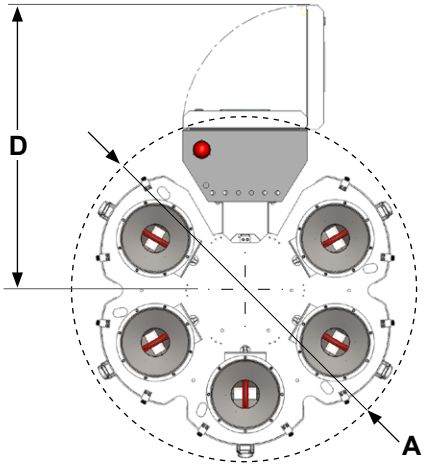
MODULARITY



TECHNICAL DATA







Model	XS2*	XS3*	XS4*	XS5*	XS6*	S2**	S3**	S4**	S5**	S6**	M2	M3	M4	M5	M6	L2	L3	L4	L5	L6
Nominal throughtput (kg/h)	160					300					560					1000				
Flow rate* max (kg/h)**	220					550					1150					1880				
Dosing hopper volume (dm³)	6					12					22					40				
Gravimetric batch Volume (dm³)	4					8					15					27				
Installed power (kW)	1,0	1,4	1,8	2,2	2,6	1,0	1,4	1,8	2,2	2,6	1,7	2,45	2,85	3,25	3,65	2,2	3,2	3,95	4,7	5,45
Weight (kg)	160	180	200	220	240	220	245	270	295	320	270	295	320	345	370	300	330	360	390	420
Ø A (mm)	1160				1350	1160				1350	1460				1650	1760				2000
B (mm)	1630					2100					2340					2720				
Ø C (mm)	330					330					430					530				
D (mm)	1000				1240	1000				1240	1150				1290	1300				1465

Dosing screws (K)										
Diameter x pitch (mm)	**10 x 8**	**15 x 10**	**15 x 15**	**20 x 20**	**25 x 25**	**30 x 30**	**40 x 40**	**50 x 50**	**60 x 60**	**70 x 70**
Flow rate @ 450 rpm (kg/h)**	23	50	75	110	220	320	600	1000	1500	2050
Flow rate @ 5 rpm (kg/h)**	0,1	0,6	1	1,3	2,9	3,5	7	11,5	17	25
* For XS models, possible dosing screws range from 10 x 8 to 20 x 20; ** For S models, possible dosing screws range from 10 x 8 to 40 x 40;										
*** Flow rate values are calculated considering the apparent density of the granule = 0,55 kg/dm3. They vary according to the grain size of the material.										
1_ Communication interface; 2_ Power supply; 3_ Compressed air inlet.										