



SOMOS® Dosing and mixing system GRAMIX/S/S-2000

Application

The dosing and mixing system SOMOS® GRAMIX/S/S-2000 is used in the plastics processing industry to supply extruders, co-extruders and blow-molding machines for the middle to upper throughput range, with prepared multi-component mixtures. The system is suitable for both overfeeding- and also underfeeding extruder operation. All free-flowing bulk materials, such as pellets, grit, regrind or foil shreds can be dosed and mixed.

Features

- Gravimetric, continuously working dosing and mixing system
- Supply of main components in free flow or using a dosing station
- 1 dosing station for the main component and a maximum of 8 dosing stations for feeding in auxiliary components
- Simultaneous dosing of all formulation components
- 9 exchangeable dosing screws for different output ranges (from 0.4 to 2,000 kg/h or resp. up to the maximum output of the dosing device); selection depends on the material to be processed
- Quick and easy to clean when changing the formulation
- User-friendly PLC controller with:
 - Profibus/Ethernet interface
 - Integrated control of a vacuum conveying system
 - Consumption registration
 - Extrusion control
 - Haul-off control
- Weighing electronic can be used with "stand-alone" function up to 160 °C

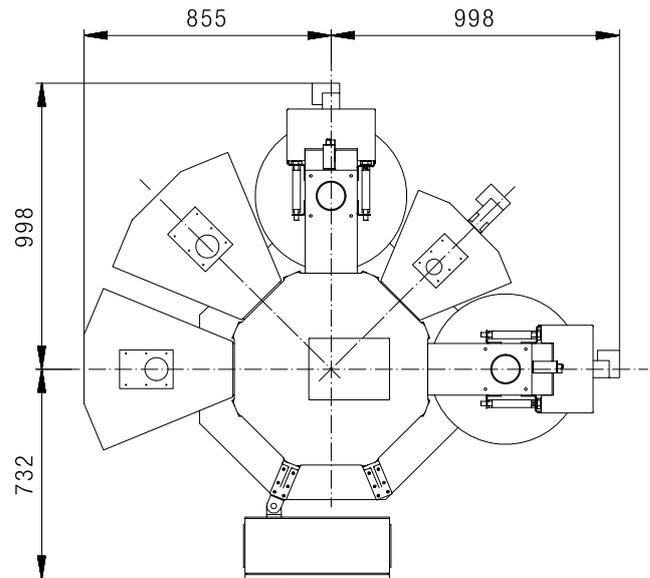
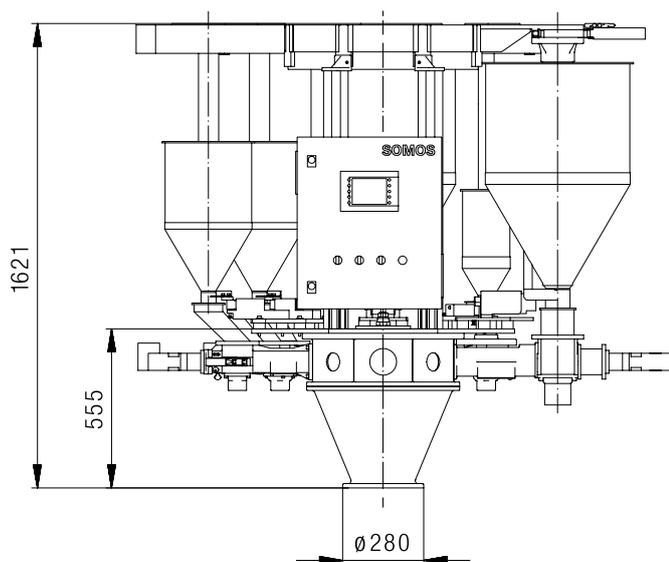
Options

- High temperature version
- Clean room version
- Automatic feeding of dosing stations
- Clean room opening with rinsing connection
- Remote maintenance
- Dosing station for regrind
- Automatic screw identification
- Self-interlock screws
- Dust-free version

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ProTec Polymer
Processing

Technical Data



Maximum throughput	kg/h	1,200/2,400
Dosing accuracy ¹	%	< ±0.5
Weighing hopper		
Net volume	l	6, 15, 25, 50, 75, 100, 150, 200
Load cells supply		
Nominal load	kg	7.2; 12; 18; 36; 75; 150; 2x100
Accuracy ²	%	0.015
Operating conditions		
Temp. of bulk material ³	°C	max. 80
Ambient temperature	°C	5 up to 50
Relative air humidity	%	< 80

Power supply		3N/PE/AC50/60Hz/400V
Dosing motors		DC-Servo
What the system is made of		
Mixing support		Aluminium cast alloy
Mounting plate		Aluminium
Weighing hopper		Stainless steel or acrylic glass
Inlet pipe		Stainless steel
Upper part		Aluminium cast alloy
Weight ⁴	kg	450/750

¹ based or depends on the adjusted throughput capacity

² based on the nominal load

³ up to 160 °C when using high-temperature version

⁴ depends on version and number of dosing stations

Are you interested in receiving additional information?
Then feel free to call us.

ProTec Polymer Processing GmbH
Stubenwald-Allee 9
64625 Bensheim
Germany

T +49 6251 77061-0
F +49 6251 77061-500
info@sp-protec.com
www.sp-protec.com