

**NEWS RELEASE***[Witt-NR-09-2018\_S-Max-granulators-series]*

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**The S-Max series of screenless granulators**

August 2018 will see the new **S-Max** granulator models from the WITTMANN Group available for delivery: **S-Max 2**, **S-Max 2 Plus**, and **S-Max 3**. These are low speed granulators for the inline-recycling of sprues made of hard and brittle engineering resins. Depending on the granulator model, a material throughput of 12, 20 or 30 kg per hour can be reached.



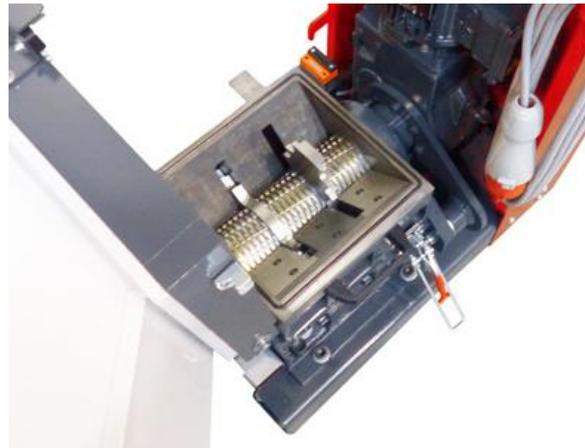
***The new low-speed S-Max 2 screenless granulator  
from WITTMANN – one in of a series of three.***

The past twenty years have seen a shift in the attitude and practice of plastics processors to waste – in regard to both their own in-house waste, and also in using plastics recycle in finished products. Choosing a granulator or particle resizer can be critical to success.

Clearly increased environmental considerations have played a part in these developments. “Green” factors continue to come to the fore. Not only that but plastics processors are also making greater efforts with regard to in-house recycling and material savings. Companies are realizing that they too must also keep up with current social trends. Many end-user customers today are asking for products made from recycle. It makes good business sense to supply them with the same.

## Aspects of granulators

Most processors need a constant quantity of dust-free and high-quality regrind at a constant size. This is the main priority. But there are of course some more important issues: dust sealing, modular design, easy and safe cleaning, efficient and effective power drive design, low noise and compact footprint. Operational safety is also very important.



*S-Max 2, opened: view of the cutting chamber.*

WITTMANN has therefore developed several industry “firsts” to meet these criteria; WITTMANN granulators produce less noise, save more energy, have a more compact footprint, need less maintenance, are equipped with hardened cutting tools, provide for easy cleaning and maintenance, and also have excellent safety features.

## S-Max series granulators

The **S-Max** series models are specifically designed for the closed-loop recycling of sprues/runners from injection molding machines with up to 300 tons of clamping force.

The **S-Max** is a portable piece of equipment which allows for great versatility and can be moved easily from one molding machine to another.

An interface also enables full communication with the injection molding machine. As an option, a special shutdown-function is available: When the injection molding machine is “off”, the granulator stops automatically, helping saving energy.

## Standard features

Many more interesting and advantageous features of the new **S-Max** series come as a standard. A high level sensor gives visual and audible alarm if necessary, and is located underneath the cutting chamber, thus avoiding the overfilling of the bin, and also keeping the cutting chamber free from regrind. This position of the sensor brings about some additional advantages: direct wiring to the electrical cabinet, the sensor’s head not being amidst the material, and full inlet capacity of the bin.

The swivel outlet pipe can take different positions, making it easier to connect the flexible hose to the hopper loader. This typically allows for a more efficient use of the floor space next to the machine.

The slanted, front cut outlet pipe with adjustable airflow evacuates the regrind more efficiently and also avoids the blocking of the flexible hose.

A good access to the cutting chamber is given from above via the 90° tilting hopper to allow an easy perfect cleaning.

	S-Max 2	S-Max 2 Plus	S-Max 3
Cutting chamber	240 × 249 mm	240 × 346 mm	240 × 467 mm
Number of knives	2	2	3
Motor output	1.1 kW	1.5 kW	2.2 kW
Rotation speed	27 rpm @ 50 Hz	27 rpm @ 50 Hz	27 rpm @ 50 Hz
Throughput	12 kg/h*	20 kg/h*	30 kg/h*
Regrind size	4 – 5 mm	4 – 5 – 7 mm	4 – 5 – 7 – 10 mm

(\* Depending on material, shape, density of sprues/parts to be processed, and regrind size.)

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The WITTMANN Group is a worldwide leader in the manufacturing of injection molding machines, robots and peripheral equipment for the plastics industry. Headquartered in Vienna/Austria, the WITTMANN Group consists of two main divisions, WITTMANN BATTENFELD and WITTMANN, which operate 8 production facilities in 5 countries, including 34 direct subsidiary offices located in all major plastics markets around the world.

WITTMANN BATTENFELD focuses on the independent market growth in the manufacturing of state-of-the-art injection molding machines and process technology, providing a modern and comprehensive range of machinery in a modular design that meets the actual and future requirements of the plastic injection molding market. WITTMANN's product range includes robots and automation systems, material handling systems, dryers, gravimetric and volumetric blenders, granulators, mold temperature controllers and chillers. With this comprehensive range of peripheral equipment, WITTMANN can provide plastics processors with solutions that cover all production requirements, ranging from autonomous work cells to integrated plant-wide systems.

The syndication of the WITTMANN Group has led to connectivity between all product lines, providing the advantage plastics processors have been looking for in terms of a seamless integration of injection molding machines, automation and auxiliary equipment – all occurring at a progressive rate.

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