

DRUM GROAT CUTTER





OVER 130 YEARS OF EXPERIENCE

in the processing of grain and pulses



The continuous development of machines and plants makes SCHULE Mühlenbau a competent partner when it comes to processing rice, grain, legumes and much more.

Processing oats requires many different production steps. Besides cleaning and sorting, this also includes shelling, separating, groating and flaking. SCHULE manufactures all the machines required for oat processing at its central factory in Reinbek near Hamburg, which is certified according to DIN EN ISO 9001. So they are "Made in Germany". Since 1892, SCHULE Mühlenbau has been familiar with grain-producing countries and corresponding processing methods worldwide.



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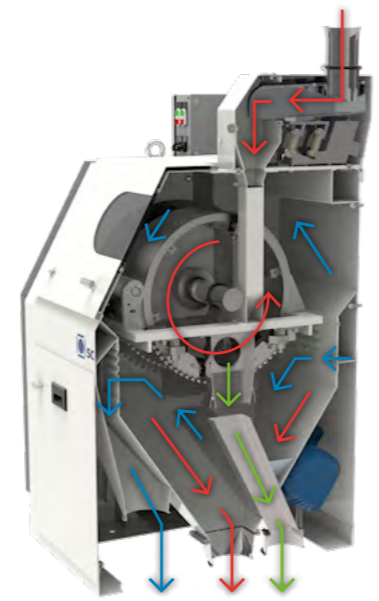


DRUM GROAT CUTTER

For producing uniform groats from oats, barley, rye, spelt, and wheat with a very low percentage of flour.



↑ Hulled oats downstream of the impact huller



→ Product → Overflow → Aspiration

With the ongoing development of breakfast and particularly oat products, both baby flakes and quick-cooking flakes are becoming increasingly important. For this purpose, uniform and precisely cut grain kernels are required. The SCHULE drum groat cutter meets the high requirements.

Via a continuously adjustable vibrating channel, the grain is fed into two perforated drums made of stainless steel which are mounted on a horizontal shaft. Buckets arranged in the drums ensure uniform distribution of the product to be cut. Excess quantities and oversizes are discharged through an overflow. The drums are provided with calibrated holes, the diameter of which depends on the type of grain to be cut. The lower half of the rotating drums is surrounded by a precision knife basket without shims.

The knives cross-cut the grain kernels falling through the drum holes along their longitudinal axis. The cutting angle can be varied by different knife baskets. As a result, coarse, medium or fine groats can be produced. Pinwheels arranged above the supporting frame prevent the holes from clogging.

The drum groat cutter is supplied with an individual electrical drive.

The capacity of the machine depends on the grain to be processed, the purity of the input product, the uniformity, the desired cutting size, and the selected perforation.



Advantages

- Higher performance as a result of the redesigned cutting device
- Newly designed precision knife basket without shims
- Rapid change of the knives
- Longer service life of the knives
- More uniform cutting pattern for the grain kernels
- Less cutting flour
- Optimised aspiration
- Fully enclosed design (encapsulated)
- Easy maintenance

Products



↑ Oats



↑ Groated oats



↑ Wheat



↑ Groated wheat



↑ Spelt

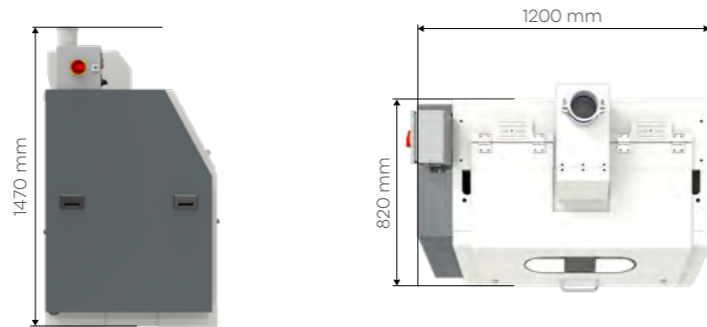


↑ Groated spelt



TECHNICAL DATA

Drum groat cutter	TGS 3000
Capacity t/h	up to 2.5
Motor power kW	1.1/0.25
Aspiration m ³ /min	10.0
Capacities	
Oat kernels/rye	up to 2000 kg/h*
Wheat/barley	up to 2500 kg/h*



*Depending on cutting type, uniformity of grain kernels, type of grain, and moisture content.



The drum groat cutter TGS 3000 is the most powerful machine with a small footprint and the highest cutting quality.



REFERENCES

Reference plants



↑ TGS Bauck Mühle / Germany



↑ TGS Peter Kölln / Germany



↑ TGS GoodMills Mannheim / Germany



↑ Oat plant of the company Bauck Mühle / Germany



↑ Oat plant of the company Navara Oat Milling / England



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