

IMPACT HULLER





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 well acquainted with all grain-producing countries in the world and with the corresponding processing methods.



CONTENTS

01

Impact Huller
Page 04

02

Advantages & Products
Page 05

03

FKS CLE
Page 06

04

FKS 500
Page 07



IMPACT HULLER

Maximum degree of hulling with minimum percentage of broken grains



↑ Hulled oats mixture downstream of the impact huller

Hulling is one of the most important process steps in an oat processing plant. With the SCHULE impact huller, which is also used for hulling sunflower seeds, spelt, buckwheat and hemp, optimum results are produced.

The product is fed to the rotating centrifugal wheel via an immersion tube that regulates the throughput rate. Inside the centrifugal wheel, the product is aligned and, with the help of the centrifugal forces caused by the rotation, thrown against an impact ring.

Depending on the product, a wide range of impact ring materials can be chosen from, including stone, steel and ceramics in addition to various special plastics. Thanks to an impact ring optimally adapted to the product and

with the aid of a pre-installed frequency converter for regulating the centrifugal wheel speed, a high degree of hulling can be easily achieved with a very low percentage of broken grains being generated at the same time.

Furthermore, the SCHULE impact huller is equipped with an automatic impact ring adjustment, which ensures uniform wear of the impact ring. This produces consistently high hulling results and a long service life for the impact rings.

After the respective product has been hulled, a hulled grain mixture is produced, which consists of a fraction of hulled grains, a fraction of unhulled grains as well as the separated hulls. This mixture is then cleaned of the hulls in a high-capacity closed circuit husk separator.



Advantages

- Excellent hulling degree
- Low percentage of broken grains
- High yield
- Low power consumption
- Long service life of the wear parts
- Height-adjustable hulling ring
- High throughput
- Highest hulling efficiency
- Continuously adjustable speed range
- Long impact ring service life due to highly wear-resistant material and automatic impact ring adjustment
- Short maintenance times due to specially designed impact ring holder

Products



↑ Oats before hulling



↑ Oats after hulling



↑ Sunflower seeds before hulling



↑ Sunflower seeds after hulling



↑ Spelt before hulling



↑ Spelt after hulling



TECHNICAL DATA

Impact huller	FKS CLE
Capacity t/h	up to 5.0
Motor power kW	5.5

Capacities	
Oats	up to 4000 kg/h*
Sunflower seeds for bakeries and trade	up to 1500 kg/h*
Sunflower seeds for the oil industry (special design)	up to 5000 kg/h*



*The capacities are reference values which may vary due to the characteristics of the product



Impact hullers of the CLE class are characterised by their modular design and quick impact ring change.



Impact huller	FKS 500
Capacity t/h	up to 5.0
Motor power kW	5.5

Capacities	
Oats	up to 3000 kg/h*
Sunflower seeds for bakeries and trade	up to 1500 kg/h*
Sunflower seeds for the oil industry (special design)	up to 5000 kg/h*



*The capacities are reference values which may vary due to the characteristics of the product





F. H. SCHULE Mühlenbau GmbH

Dieselstrasse 5 – 9
21465 Reinbek
Deutschland

+49 (0)40 727 71-0
info@schulefood.com
schulefood.com

