

Hammertec™



Hammer mill for falling number analysis

The FOSS Hammertec is a hammer type mill specially designed for falling number analysis. Built with a focus on the user, the Hammertec makes hammer mill operations quieter by at least 1.5 dB compared to existing solutions. It is also smaller and lighter than older mills and its innovative design helps to avoid sample carry-over, ensuring more accurate results.

Designed for crushing dry, flowable whole cereal grain samples into a fine and homogenous powder via high speed rotation of a hammer by which the sample is impacted.

A quieter hammer mill for a safer working environment

A robust and compact design, insulated for low noise level, makes Hammertec significantly quieter than current products in the market. Depending on the model, the FOSS Hammertec is between 1.5 dB and 6 dB quieter. The low level of noise reduces the risk of injury to lab staff and eliminates the need for ear protection, making it ideal for any modern lab grinding for falling number analysis, wet gluten analysis, Kjeldahl and NIR analysis.

Smaller and lighter than other hammer mills

The Hammertec has a smaller footprint and is significantly lighter than any other hammer mill on the market, allowing you to free up space in the lab as well as making it easier to move. The reduced weight reduces the risk of employee injury and makes it easier to keep the surrounding area clean, aiding laboratory hygiene.

Modern design helps to avoid sample carryover

Hammertec is designed using innovative materials and non-stick surfaces. A cyclone sample outlet for convenient sample collection makes the mill virtually self-cleaning between grindings. According to laboratory tests, the reduction in sample carryover is at least 7%.

Easy maintenance

Exchanging the motor belt on your mill has never been easier. Designed with easy opening and access to the belt, makes it possible even for non-experts to replace hassle free.

Meets requirements of AACC/ICC/ISO methods

AACC: Sample mill, with 0.5- or 0.8-mm screen to produce meal with particle size distribution as follows: >500 µm, 0–10%; >210 but <500 µm, 25–40%; <210 µm, 75–50%.

ISO: Laboratory mill, hammer type, and fitted with a 0,8 mm screen allowing the production of a wholemeal product meeting the particle size specification shown in 8.1.3.

Technical specifications	
Dimensions (D x W x H)	Pro: 55 x 24 x 46 cm
Weight, operating:	40,6 kg
Power requirements	200 - 240 VAC 50/ 60 Hz 100 - 110 VAC 50/ 60 Hz According to local requirements
Power consumption	1300 W
Thermal Overload Relay	200 - 240 VAC, 7 A 100 - 110 VAC, 14 A
Motor rotation speed	2800 rpm (50Hz) 3400 rpm (60Hz)
Hammer speed	16800 rpm
Safety brake	Yes
Noise level	< 80 dB
Transient overvoltage	2
Temperature	indoor use, 5-40° C
Relative humidity	maximum relative humidity 80% for temperatures up to 31° C decreasing linearly to 50% relative humidity at 40° C
Pollution degree	2