

Laboratory Mill

LM 120



Grinding



Wheat



Rye



Barley

The Most Rugged, Long-lived Sample Grinders Made

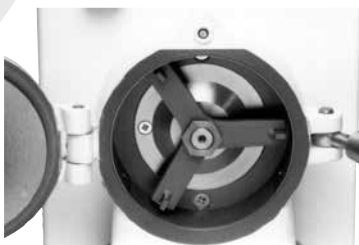


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Pertent
INSTRUMENTS

Laboratory Mill 120



The Laboratory Mill 120 is designed for grinding samples of grains, pellets, meals, feeds and forages. The ground sample can then be used for analyses such as NIR, Falling Number, Glutomatic, Nitrogen combustion methods, and other reference analyses. The Laboratory Mill 120 is a hammer type mill built on a stable metal body. An adjustable vacuum feed control regulates feed rate of the sample into the metallic grinding chamber.

A hardened steel hammer rotates at high speed forcing the sample through a stainless steel sieve. The ground product is collected in a filter bag placed below the grinding chamber. Standard sieve of 0.8 mm is used for the Falling Number, Glutomatic/Gluten Index and NIR analysis. Sieves of 0.5 - 2.0 mm are available.

Features & Benefits

Robust metal construction: Reliable operation and long mill life.

Large sample capacity: Reduces sampling error - fulfills Falling Number requirement.

Vacuum feed control: Airflow feeder regulates feeding and facilitates grinding of large samples.

Homogeneous particle size: Produces a fine, homogeneous sample as required by Falling Number, NIR and Glutomatic analysis.

High moisture grinding: Adjustable feed rate allows grinding of samples with up to 25 % moisture.

Safe operations: Motor cannot start until door is closed and stops immediately when door is opened.

Approved for

Falling Number test: To determine the alpha-amylase activity in grain.

Glutomatic/Gluten Index test: To determine wet gluten quantity and quality.

NIR-Analysis: To determine protein, fat, hardness, ash and moisture after grinding.

Recommended Accessories

Mill Feeder: A motor driven rubber paddle Mill Feeder can be added to provide a constant feed rate. This improves grinding of high moisture grain and grain with the hull remaining, e.g. barley, oats and rice. The constant feed rate also improves overall mill performance and reduces motor strain caused by overfeeding.



Specifications

Power requirements: 115 or 230 V, 50 or 60 Hz (specify on order)

Operation: Belt drive 1:6, 16,800 rpm

Capacity: 300 g in 30-50 seconds depending on moisture content

Dimensions (HxDxW): 545x460x240 mm

Net weight: 28 kg