

Laboratory Mill

LM 3600



Benefits:

Grinding for Moisture Analysis
For Grains, Pellets, other Products
All-metal Construction for Long Life
Low Noise Design

Laboratory Mill 3600

The Laboratory Mill 3600 is a disc type mill designed to prepare samples for oven and NIR moisture tests of grains, pellets and other raw materials. The Laboratory Mill 3600 has capacity to grind large samples thus minimizing sampling error of heterogeneous materials. The sample is rapidly crushed/sheared between sharp steel discs and collected in a quick release plastic sample cup. The disc design and rapid grinding minimize heat development. Loss of moisture is thus virtually eliminated. Typical sample size is 10 - 250 g of sample for general applications and 10 - 15 g for grain moisture determinations.



Features & Benefits

Large sample inlet: Large inlet allows grinding of pellets and large sized grain.

Large sample capacity: Grinds up to 250 g sample.

Rapid grinding: Sample preparation for accurate moisture content analysis.

Practical sample collection: Sample is collected in 500 ml cups. Extra cups with lids are available for convenient handling and storage.

Adjustable disc setting: Particle size distribution is easily adjusted by changing distance between discs.

Robust metal construction: Reliable operation and long mill life.

One hand operated door: Easy access to grinding chamber for quick and simple cleaning.

Low noise motor: Can be easily placed in the lab.

Hardened Steel Disc

Particle size is dependent upon disc type and inter-disc distance. The distance between discs is adjustable and there are three different types of discs available.

Type 1 - medium: Used for determination of moisture content

Type 2 - fine: Used for Particle Size Index (PSI) or when a fine particle size is required

Type 3 - coarse: Used for oats and other high moisture grains

The Laboratory Mill 3600 is delivered with type 1 disc set.

Applications

The Laboratory Mill 3600 is suitable for sample preparation for oven and NIR moisture tests of grain, pellets and other low fat (less than 20% fat) materials. Products include: soy beans, soy meal, corn products, finished pasta, wheat, nuts and many other grains and products.

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: Direct drive

Capacity: 50 g in 10-15 seconds

Dimensions (HxDxW): 560x445x220 mm

Disc diameter: 100 mm

Net weight: 34 kg

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INSTRUMENTS

SPECIALISTS IN QUALITY CONTROL OF GRAIN, FLOUR, FOOD AND FEED