

Latest Innovations

Innovative solutions developed across all areas of technology.

Product Catalogue

Grain Testing Equipment

SE-LAB-9000
SE-LAB-9007

Technological Advantages

Across All Markets and Sectors

GRAIN TESTING EQUIPMENT - APPLICATION OVERVIEW

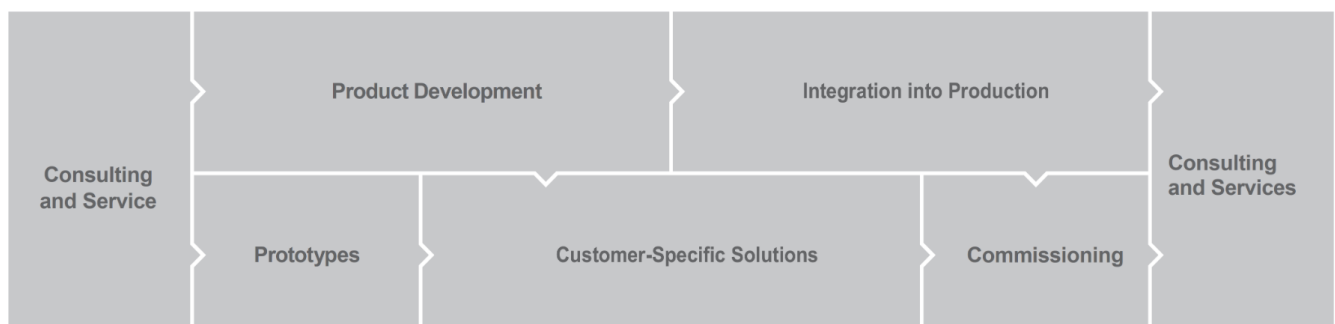
Grain Testing Equipment is essential for evaluating the physical, chemical, and functional quality parameters of wheat and other cereal grains before processing. Accurate grain analysis ensures proper grading, fair commercial valuation, and optimized milling performance. From bulk density and hectoliter weight determination to enzyme activity measurement such as Falling Number analysis, these instruments provide reliable data for grain acceptance, storage management, and production planning. Grain quality directly impacts flour yield, processing stability, and final product performance. Therefore, precise testing at raw material intake and laboratory stages is critical for minimizing production risks and maintaining consistent quality standards. Modern grain testing devices are designed for accuracy, repeatability, and compliance with international laboratory standards. They support quality control laboratories, grain trading operations, agricultural research centers, and milling facilities by delivering fast and dependable measurement results. These instruments play a key role in grain classification, sprout damage detection, moisture-related quality assessment, and overall raw material performance evaluation within professional cereal processing operations.

FEATURES & ADVANTAGES

- ▶ Accurate measurement of key grain quality parameters
- ▶ Reliable evaluation of bulk density and enzyme activity
- ▶ Supports grain grading and commercial valuation
- ▶ Early detection of sprout damage and quality deviations
- ▶ Improves raw material selection and blending decisions
- ▶ Fast and repeatable laboratory testing performance
- ▶ Compliance with international grain testing standards
- ▶ Durable construction suitable for continuous laboratory use

APPLICATION FIELDS

- ▶ Wheat flour mills
- ▶ Whole wheat flour milling plants
- ▶ Semolina (durum wheat) production lines
- ▶ Pasta flour production facilities
- ▶ Corn flour milling plants
- ▶ Rusk (galeta) flour mills
- ▶ Wheat reception and raw material intake control points
- ▶ Milling, sifting, and quality control sections

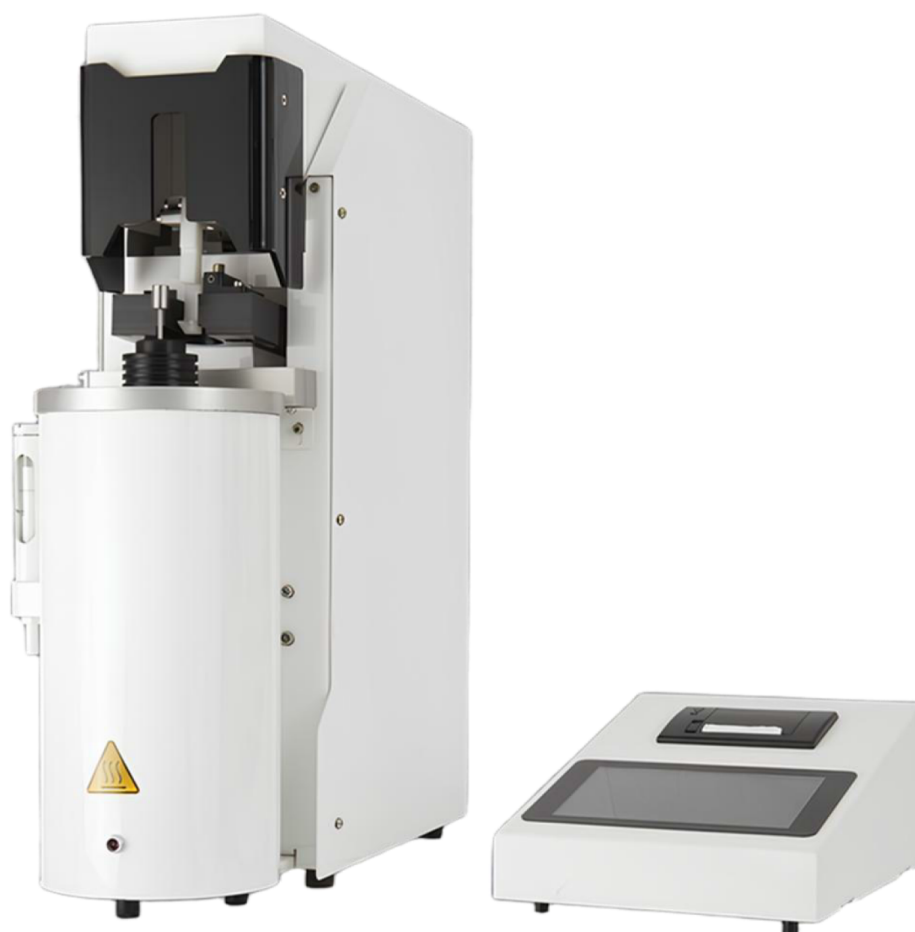


Technological Advantages

Across All Markets and Sectors

SE-LAB-9000 FALLING NUMBER APPARATUS - APPLICATION OVERVIEW

The SE-LAB-9000 Falling Number Apparatus is designed to determine alpha-amylase activity in wheat and flour by measuring the Falling Number value. It provides reliable detection of sprout damage and enzyme activity levels, supporting grain quality classification, raw material acceptance, and milling process control in professional laboratory environments.



TECHNICAL SPECIFICATIONS

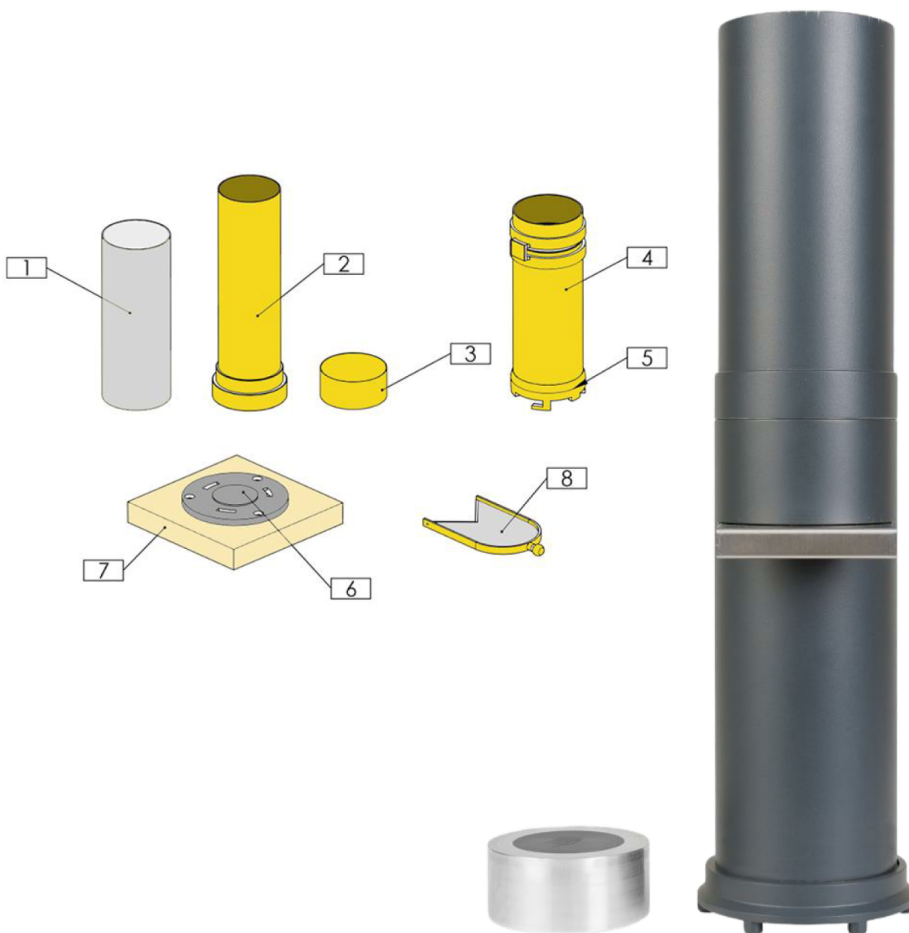
| Parameter | Specification |
|------------------------|-----------------------------|
| Electrical Connection | 220 Volt AC, 50/60 Hz |
| Power Consumption | 1000 W |
| Sample Quantity | 7 g (at 14% moisture basis) |
| Dimensions (W × D × H) | 560 × 580 × 640 mm |
| Net Weight | 25 kg |

Technological Advantages

Across All Markets and Sectors

SE-LAB-9007 GRAIN HECTOLITER WEIGHT TESTER - APPLICATION OVERVIEW

The Grain Hectoliter Weight Tester SE-LAB-9007 is designed to accurately determine the bulk density (hectoliter weight) of wheat and other cereal grains. Hectoliter weight is a key quality parameter used in grain grading, commercial valuation, and milling performance assessment. The device provides fast, reliable, and repeatable measurements, supporting raw material acceptance, storage control, and production planning. Its robust construction and precise measuring chamber ensure consistent results in professional grain testing laboratories and milling facilities.



TECHNICAL SPECIFICATIONS

| Parameter | Specification |
|-------------------------|--------------------|
| Cutting Blade Material | Stainless steel |
| Included Scale Capacity | 5 kg |
| Scale Accuracy | 1 gram |
| Dimensions (W × D × H) | 460 × 190 × 370 mm |
| Net Weight | 12.5 kg |

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