

Retsch Equipment for Agricultural Applications

Ultra Centrifugal Mill ZM 200

Application:

Grinding of soft, medium-hard, and brittle materials for standard analyses such as NIRS, falling numbers, moisture, mycotoxin, Kjeldahl, Soxhlet and various others

Sample materials:

Fertilizer, soils, dry plants, grains, oilseeds
Feed size up to 10 mm, grind size down to 0.04 mm approx.

Advantages:

Quick, yet gentle two-stage grinding process, large sample output and easy cleaning with cassette, versatile, non-metal grinding tools available



Knife Mill Grindomix GM 200

Application:

Homogenization, grinding, mixing, and desagglomeration of dry, oily and aqueous samples for various analyses such as pH, mycotoxin, Kjeldahl, Soxhlet for the determination of protein, fat, moisture, ash, and others.

Sample materials:

Fresh fruit, vegetables, plant material, high oil-content products, turf, foliage, silage, manure
Feed size up to 10 - 40 mm, grind size down to 0.3 mm approx.

Advantages:

Robust, professional food grinder with parameter control for reproducible results, truly homogenous samples, versatile



Rotor Beater Mill SR 300

Application:

Batchwise or continuous grinding of soft, medium-hard, and brittle materials for standard analyses such as NIRS, falling numbers, moisture, mycotoxin, Kjeldahl, Soxhlet and various others

Sample materials:

Larger quantities of fertilizer, soils, dry plants, grains, oilseeds
Feed size up to 15 mm, grind size down to 0.08 mm approx.

Advantages:

Robust design, high sample output through large grinding area, easy operation

Cutting Mill SM 2000

Application:

Pre-crushing preceding the final grinding process; sample preparation for NIRS, analysis on heavy-metals, mycotoxin, ageing, and various others

Sample materials:

Roots, wood, bark, cork, compost, dried plants (hay, straw, silage, grass)
Feed size up to 800 mm length, grind size approx. 1 mm

Advantages:

Powerful, yet gentle grinding process in larger batches, easy cleaning, versatile, safe operation



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