

CM 290 Cemotec™

Sample grinding without moisture loss



The CM 290 Cemotec™ laboratory mill is ideal for preparation of grain and seed samples without loss of moisture for NIR or reference analysis. Safety is in focus and a modern design allows easy operation and maintenance.

Ideal for NIR or reference analysis

Specially designed to grind grain and seed samples without loss of moisture making it ideal for NIR and reference analysis. Cemotec is excellent for all types of sample preparation with moderate requirements for fineness and uniformity of particle size. The large sample bottle makes it possible to collect up to 350ml of ground sample.

Safe and easy operation

Innovative design ensures safe operations. A safety switch prevents accidental operation of the mill when the lid is removed, while a handy dial is used to control the fineness of the grist. Effective sample collection ensures dust free milling.

Quiet and efficient

Cemotec works effectively at a relatively low grind rate. Grinding with a low speed makes it possible to perform sample milling at a low noise level.

Sample type

Coarsely grinds grain without moisture loss

- Dry sample prior to moisture analysis
- Low fat/low moisture samples
(up to 15% Moisture and 10% Fat)

Technology

Works on the principle of grinding between two discs, one stationary and one turning. The sample is introduced at the centre of the stationary disc and is crushed between the discs. The distance between the discs is easily adjusted

Specifications

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| Performance data | |
| Sample type | Dry samples up to 15% moisture and 10% fat, such as: Grains, cereals, seeds, beans, dry granular foods, pelleted feed |
| Sample size | < 14 mm (If larger a pre-crushing is needed) |
| Grinding rate/time | Appr. 3 g/s |
| Grinding speed | Grinding disc 3.000 rpm |
| Particle size | Coarse grist |
| Timer | No |
| Safety | Microswitch |
| Cleaning | Low cross contamination |
| Installation requirements | |
| Power supply | 200-240 V, 50-60 Hz, 100-120 V, 50-60 Hz |
| Power consumption | 450 W |
| Net weight | 21,3 kg |
| Dimensions (w x d x h) cm | 16,7 x 38,5 x 35 cm |

Accessories

- Glass sample bottles 350 ml 4 pcs/pkg and 40 pcs/pkg
- Wirebrush
- Brush
- Funnel with lid
- Grinding Discs (1 pair)