



FAST MILL

Fast Mill – TT-FM-1000 applies to a wide range of samples such as chemicals, drugs, seasoners, synthetic resin, coal, plastics, agentia raw materials, finished drugs, fertilizers, foods and so on. Based on its efficient grinding technology and diversified accessories.

TT-FM-1000 can guarantee moderate sample preparation in instantaneous time. Fast Mill TT-FM-1000 can realize two-stage crushing for samples with the rotor and ring sieves. Torontech is being increasingly recognized as a standard for accuracy, dependability and versatility in servo-hydraulic universal testing machines.

APPLICATIONS

Application Field: Dry grinding, fine grinding, cryogenic grinding

Sample: soft, medium-hard, brittle, fibrous sample

Application Sample: Agriculture, Environment, Soil, RoHS, Chemical, Plastic, Medicine, Animal Food, Grain, Dry plant and so on.

FEATURES

- The final sample size is less than 100μm
- low noise, reliable operation, easy to clean
- touch control panel, convenient and quick
- Dual-stage type rotor screen system to complete mild and fast crushing

THEORY & METHOD

From the feed entry, samples are pretreated through the primary crushing of a rotating knife and then move outward between the rotating knife and ring grizzle under the action of centrifugal force. They will go through secondary crushing by squeezing, cutting and friction.

If sizes of samplers are smaller than the diameter of the ring grizzle, they will enter the collection device, through the secondary grinding of rotating knife and ring grizzle system it ensures the instrument to carry out the mild and efficient sample preparation in a very short time.

TECHNICAL SPECIFICATIONS

Application	Fine grinding
Sample characteristics	soft, medium, hard, brittle, and fibrous
Sample size	less than 10 mm
Final sample size	less than 100µm
Frequency	Adjustable, digital
Optional ring sieve	0.20, 0.50, 1.0, 2.0 mm
Receiving tank volume: standard collection plate	no more than 500 ml; Can be equipped with cyclone separator
Motor speed	6000-18000 r/min; continuously adjustable
Rotor peripheral velocity	29.83-99.43 m/s
The diameter of the rotary blade	95 mm
Instrument Dimensions	48x40x48 cm

Shipping Dimensions	62x60x60 cm
Net Weight	34 kg
Gross Weight	40 kg

Diversified Accessories Rotor

The rotor has 3 kinds, 24 teeth, 12 teeth, and 6 teeth, which can be used respectively for fine sample, general sample, or particularly rough of the crushing of the sample.

Ring Sieves

Finally, the sample fineness can be decided by different aperture ring sieve. Reinforcement ring sieve can extend the service life of sieve. All the rotor and the ring sieve material have stainless steel and the heavy-metal-free titan sets to be chosen.



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