



CUTTER MILL

Precision Cutting for Fibrous Spices,
Herbs & Botanical Processing



Cutter Mill Manufacturer & Exporter | India

ENGINEERING THE FUTURE OF PROCESSING

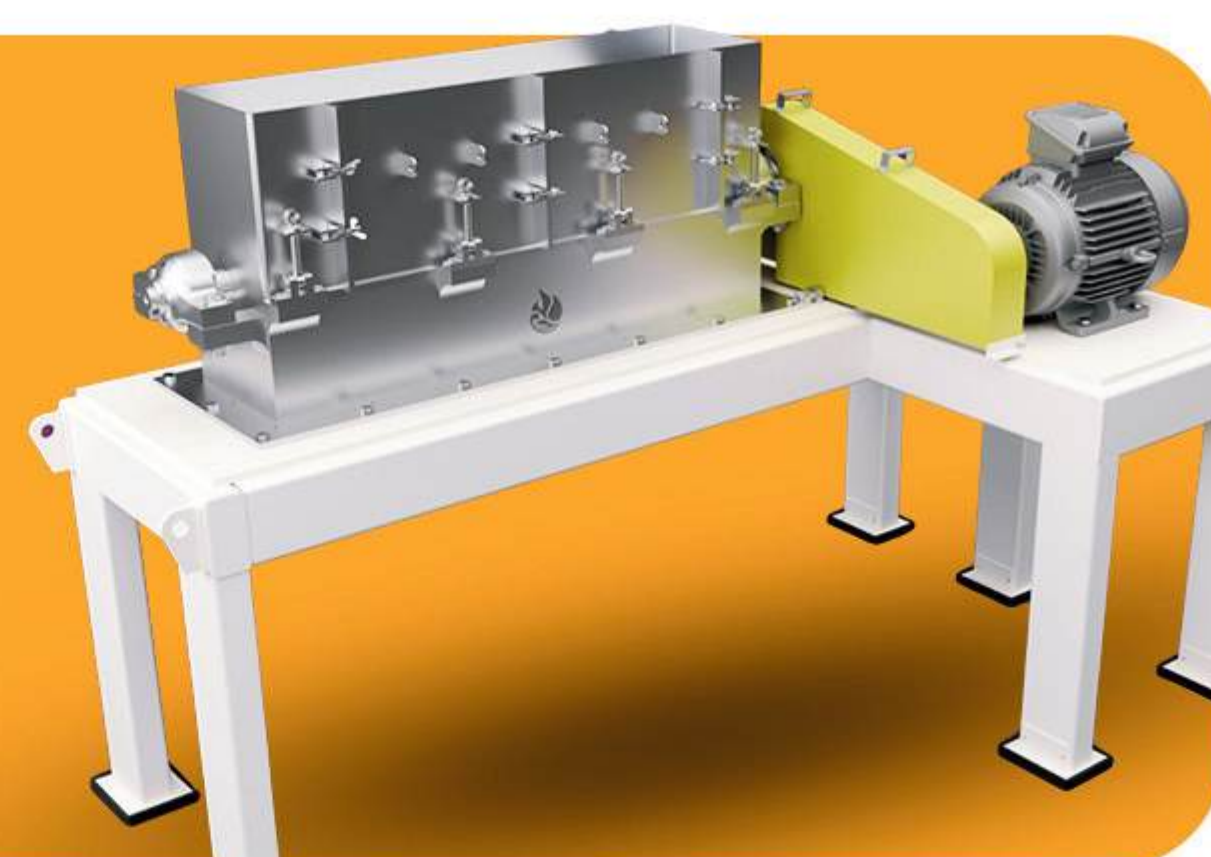
www.millnest.com

PRODUCT OVERVIEW

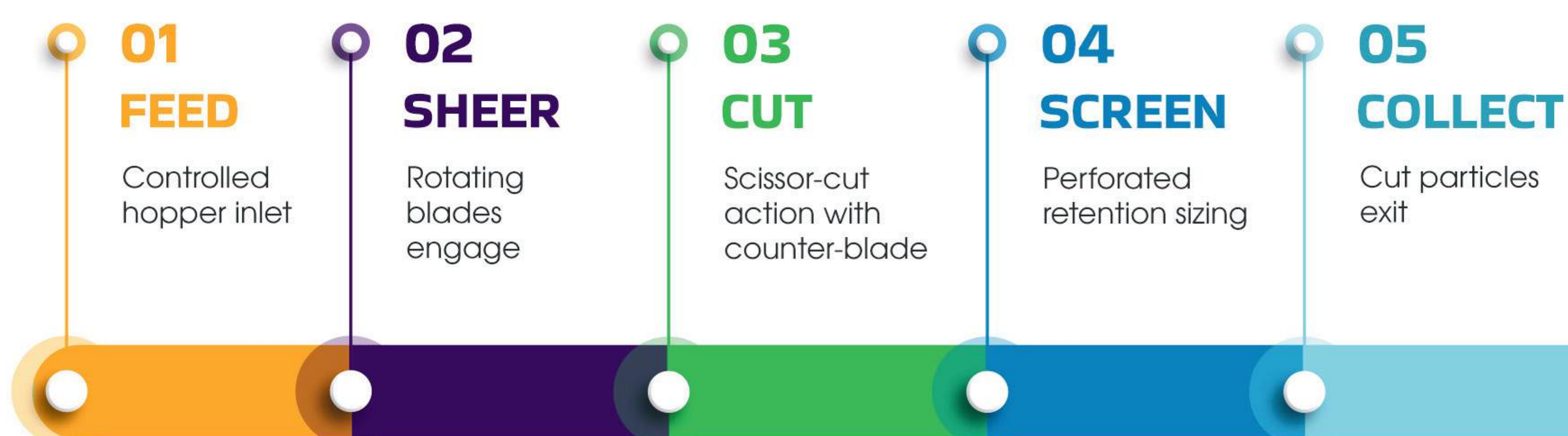


What is a Cutter Mill?

A precision size reduction system that uses a scissor-cut action between rotating and stationary blades to process fibrous, tough, and resilient materials that can clog or smear in impact mills. The low-speed cutting mechanism helps limit heat build-up and preserves material structure, making it suitable for applications such as cinnamon bark, dried ginger, turmeric rhizome, tea leaves, herbs, and botanical roots (application dependent).



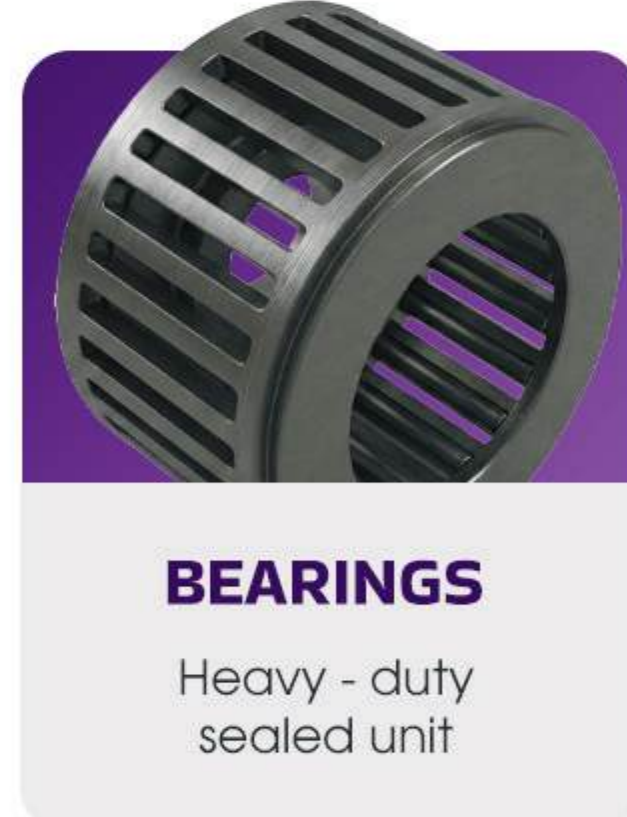
How It Works



Key Advantage: Shearing action severs fibres cleanly — no wrapping, no clogging, no heat damage to sensitive materials.

Original Line Components

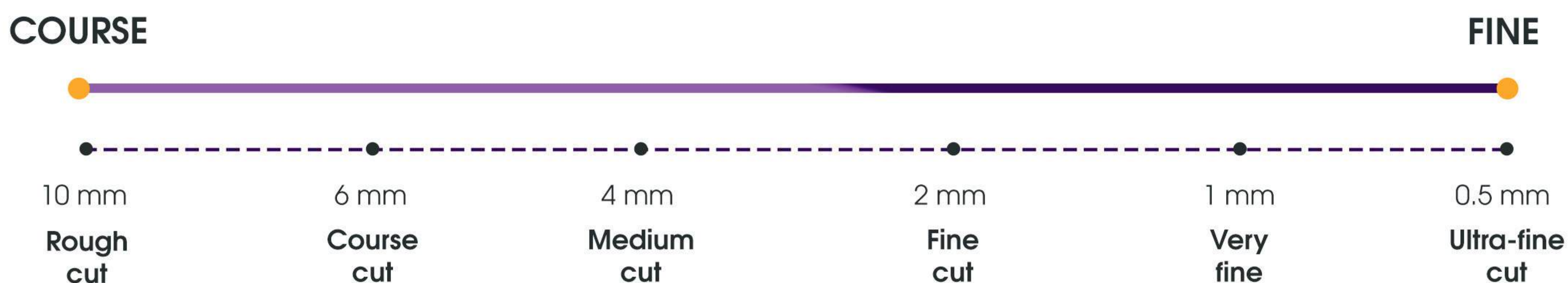
Recommended wear & service components:



Fast-moving critical spares supported

Genuine parts help maintain cut quality and stable operation

Particle Size Capability



Screen-controlled output | Adjustable blade clearance | Clean fibre cutting



SPECIFICATIONS & APPLICATIONS



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Technical Specifications — MCUT Series

Model	Capacity(kg/hr)	Motor Power (kW)	Blade Confi. (No. of rotating blades)	Footprint L x W x H (m)
MCUT-200	30–100 kg/hr	3.7–5.5 kW	12 rotating blades	0.7 x 0.5 x 0.9 m
MCUT-300	100–250 kg/hr	7.5–11 kW	18 rotating blades	0.9 x 0.6 x 1.1 m
MCUT-400	250–500 kg/hr	15–22 kW	24 rotating blades	1.1 x 0.8 x 1.3 m
MCUT-500	500–900 kg/hr	30–37 kW	30 rotating blades	1.3 x 1.0 x 1.5 m

Note: Specifications are indicative and may vary with material characteristics, feed condition, target particle size, selected configuration, and the connected airflow/collection system where applicable. Footprints are approximate and can change with inlet-outlet orientation, drive arrangement, safety/accessories, and line integration; final sizing should be confirmed through application data or trials.



Capacity varies with material type, feed size, screen selection, and target fineness

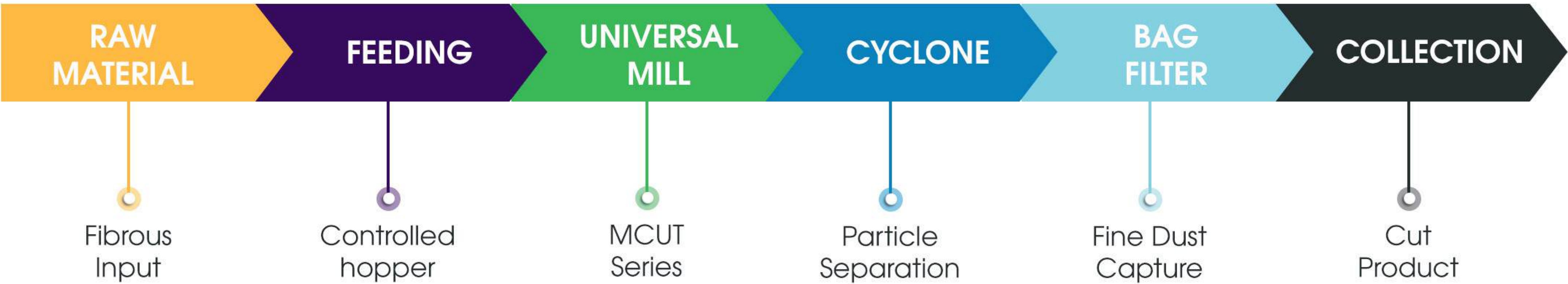


Blade Options: Standard / Serrated / Heavy-duty hardened



Construction: SS 304 / SS 316 / Food-grade sanitary design

Integrated Grinding System



Turnkey Solutions Available — Process engineering to commissioning

Applications

 FIBROUS SPICES	 BOTANICALS	 HERBS & TEA	 INDUSTRIAL
Cinnamon bark	Medicinal roots	Tea leaves	Tobacco leaf
Dried ginger	Ayurvedic barks	Dried basil	Coconut fibre
Turmeric rhizome	Herbal stems	Oregano	Animal feed
Dried Chilli	Botanical specimens	Mint leaves	Seaweed
Spice stems / bark blends	Root and bark preparation	Dehydrated leafy materials	Fibre-based materials





MillNest Originals

Refurbished Equipment Program

Select machines rebuilt under MillNest standards. Each unit is inspected, restored with genuine parts where required, and function-tested for dependable operation. Availability depends on incoming equipment and rebuild scope.

- ✓ Warranty as per rebuild scope
- ✓ Typically shorter lead times
- ✓ Spares and service support
- ✓ Blade sets as per scope

Equipment Buy-Back / Trade-In Options

Upgrade Pathways for Existing Installations

MillNest evaluates eligible equipment and recommends retrofit, rebuild, or replacement routes based on condition, application needs, and logistics feasibility.

- ✓ Evaluation-led recommendation
- ✓ Trade-in or buy-back options (case dependent)
- ✓ End-to-end coordination support

Spare Parts & Maintenance

Spare Parts & Maintenance Lifecycle Support	Blade and Wear-Part Maintenance Guidance
Recommended spares (blades, counter-blades, screens, bearings) aligned to your installation	Preventive inspection checkpoints and replacement planning to help maintain cut quality and stable output

MillNest Academy

Process Intelligence That Strengthens Processing

Structured resources and application guidance to help teams run consistent cutting outcomes: blade selection logic, clearance baselines, sampling checks, and changeover discipline for fibrous materials.

- ✓ academy.millnest.com

Ready to Discuss Your Requirements?

Whether establishing a new facility, expanding capacity, or optimizing an existing line — MillNest supports equipment selection, system integration, and commissioning aligned to your product and plant reality.



Contact Us :

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Quick Decision Guide

- Need coarse to fine grinding with high throughput - **Hammer Mill (MHAM)**
- Need ultra-fine powder with tight cut control - **Air Classifying Mill (MACM)**
- Need one mill for multiple products - **Universal Mill (MUNI)**
- Need fibrous size reduction by cutting, not impact - **Cutter Mill (MCUT)**
- Need to break lumps and restore flow, not grind - **Delumper (MLUM)**
- Need uniform dry blending of free-flowing powders - **Ribbon Blender (MRBL)**
- Need fast-cycle mixing, trace ingredient distribution, or liquid addition - **Paddle Blender (MPBL)**

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Cutter Mills | Fibrous Spice and Botanical Cutting Systems | MillNest | India