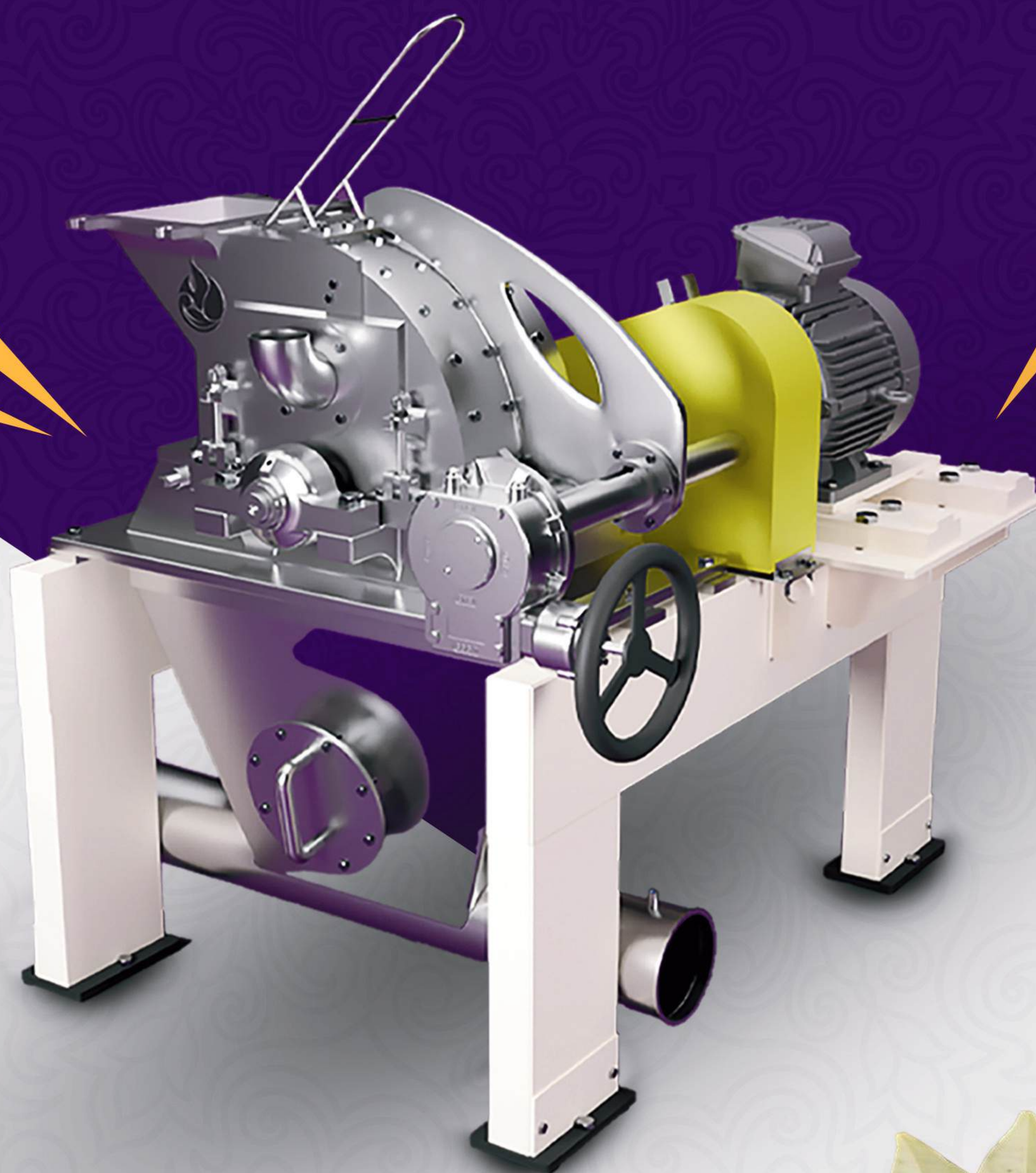




HAMMER MILL

Energy-Efficient Grinding for Spice, Food
& Industrial Processing



Hammer Mill Manufacturer & Supplier | India

ENGINEERING THE FUTURE OF PROCESSING

www.millnest.com

PRODUCT OVERVIEW

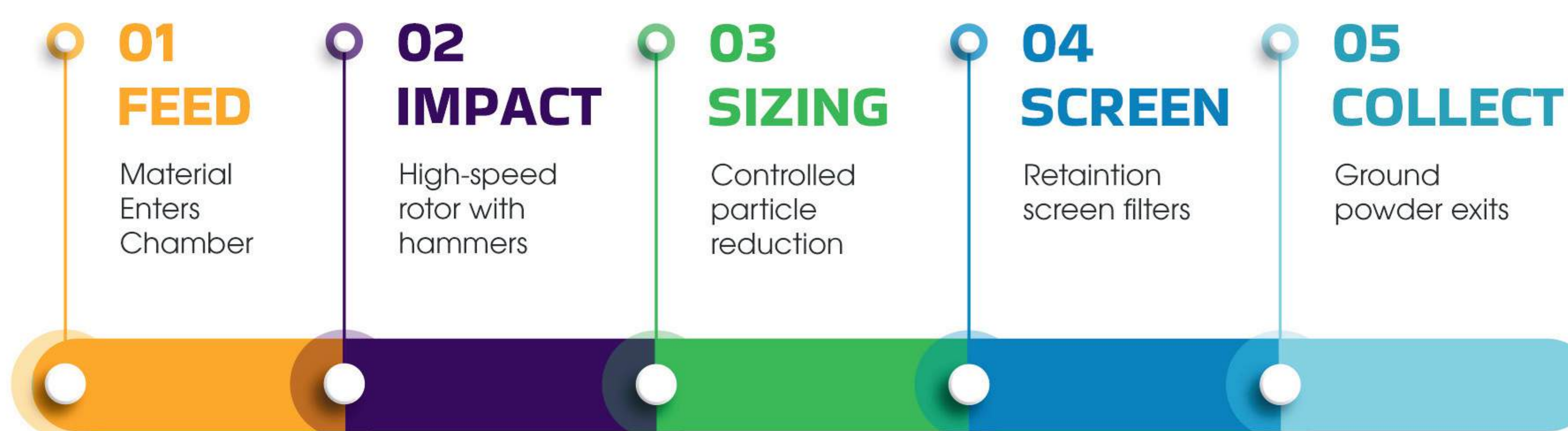


What is a Hammer Mill?

A high-speed impact grinder designed to reduce whole spices, grains, and brittle raw materials into a controlled particle size range. Output consistency is governed by screen selection, rotor speed, feed stability, and airflow integration. When engineered as part of a proper collection system, it supports clean operation and predictable grinding performance across batch and continuous duty.



How It Works



Original Line Components

Critical Components Always in Stock:



HAMMERS

Swing / Cutting edge variants



SCREENS

0.5 mm - 10 mm
Customizable apertures



BEARINGS

Heavy - duty sealed



LINERS

Wear-resistant alloy segments



Expedited dispatch for critical spares
(subject to availability and location)



Fast-moving critical spares supported

Particle Size Capability

COARSE

FINE



Particle Range: **500 microns to 3mm** | Grinding Speed: **<2 seconds processing time**

Energy Savings: **25-30% vs. traditional systems**



SPECIFICATIONS & APPLICATIONS



millnest



Technical Specifications — MHAM Series

Model	Capacity (kg/hr)	Motor(kW)	Footprint(m)
MHAM-500	100 – 500 kg/hr	5.5 – 30 kW	1.2 × 0.9 × 1.0 m
MHAM-1000	500 – 1000 kg/hr	37 – 60 kW	1.8 × 1.1 × 1.7 m
MHAM-2000	1000 – 2000 kg/hr	75 – 110 kW	1.8 × 1.3 × 1.8 m
MHAM-4000	2000 – 4000 kg/h	125 – 225 kW	2.7 × 1.4 × 2.0 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.



Configurations:
Horizontal (L) & Vertical (B)
variants

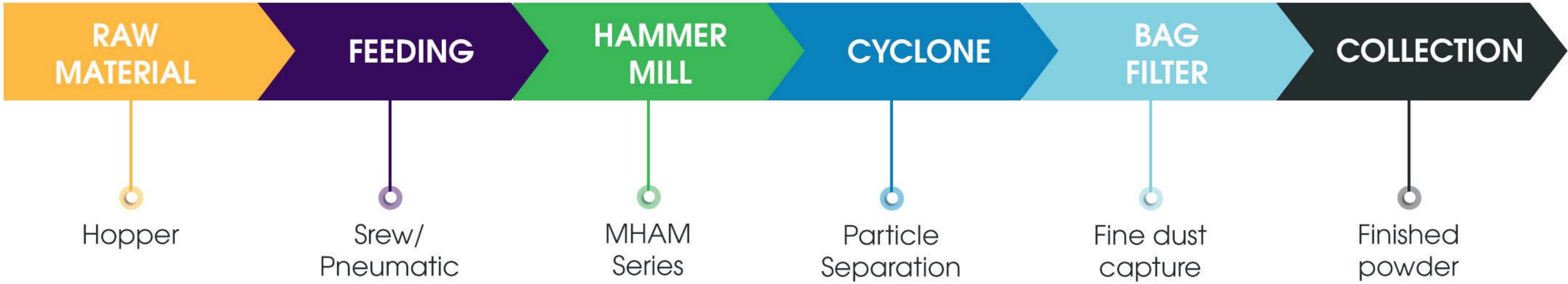


Feed Options:
Gravity / Pneumatic / Screw



Screen Range:
0.5–10mm customizable apertures

Integrated Grinding System



Turnkey Solutions Available — Process engineering to commissioning

Applications

 SPICES	 PHARMA / WELLNESS	 GRAINS	 INDUSTRIAL
Turmeric	APIs	Wheat flour	Chemicals
Chili	Excipients	Millet flour	Fertilizers
Cumin	Herbal extracts	Rice powder	Minerals
Black pepper	Ayurvedic	Corn meal	Pigments
Coriander	Nutraceuticals	Specialty grains	Recycling
Spice blends	Tablet formulations	Animal feed	Powder Processing





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

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	Preventive Maintenance Guidance
Lifecycle Support	Recommended spares and maintenance schedules to help maintain stable output.

MillNest Academy

Process Intelligence That Strengthens Processing

Structured resources and application guidance to help teams run consistent grinding outcomes: product trials, parameter baselines, sampling logic, and changeover discipline.

- ✓ 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)**

ENGINEERING THE FUTURE OF PROCESSING

Grinding Systems for Spices & Food Ingredients | MHAM Series | MillNest | Made in India