

Capabilities Overview

Custom Particle Reduction (CPR) provides precision particle sizing, milling, and specialty powder processing for sensitive, high-spec materials. We serve clients across critical industries with custom solutions designed to meet demanding particle specs and production requirements.



⚙️ Capability	Description
Particle Size Reduction	Milling for controlled particle output
Temperature-Controlled Milling	Milling under precise thermal conditions
Contamination-Controlled Processing	Environments designed to protect sensitive materials
Crushing of Coarse Materials	Pre-processing for oversized feedstocks
Jet Milling	Ultra-fine grinding using high-velocity compressed air
Cryogenic Milling	Liquid nitrogen cooling to protect heat-sensitive materials
Custom R&D + Test Batches	Trial runs for new material formulations
Sieving & Screening	Classification by particle size distribution
Small to Mid-Scale Production	Flexible batch sizes tailored to your volume needs
Final Product Packaging	Drum, sack, or custom container packaging
Blending	Ensuring homogeneous mixing for precise formulations

Certifications

- ✓ ISO 9001
- ✓ SQF (Safe Quality Food)
- ✓ Kosher
- ✓ Halal
- ✓ PA Certified Organic
- ✓ FDA Registered



Industries Served

- 🍴 Food & Beverage
- 💊 Nutraceutical
- 🐾 Pet & Animal Nutrition
- 💧 Cosmetics
- 🧪 Specialty Chemicals

🔬 Special Services	Description
Contamination-Controlled Milling	For sensitive, high-purity, or regulated materials requiring strict environmental controls
Custom Test Runs & Process Development	Pilot-scale trials tailored to client-specific formulations, with full process documentation
Particle Size Analysis & Reporting	In-house laser diffraction and sieve analysis with detailed reporting to meet spec requirements

Custom Particle Reduction

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