

AVEKA

**SPECIALIST IN PARTICLE TECHNOLOGY
TOLL MANUFACTURING**



EMPLOYEE OWNED

MILLING & CLASSIFICATION

AVEKA's particle grinding, milling, and classification services are suitable for a variety of industries including food, specialty chemical, pet care, and automotive.

AVEKA Woodbury features ball, bead, and jar milling, as well as hammer milling, cryogenic milling and crushing. Milled material can be screened to remove particles over or under targeted specifications.

AVEKA Manufacturing, one of our large-scale manufacturing facilities, offers food grade hammer milling and screening.

AVEKA Cottage Grove offers industrial grade crushing, jet milling and air classification.

QUALITY PLEDGE

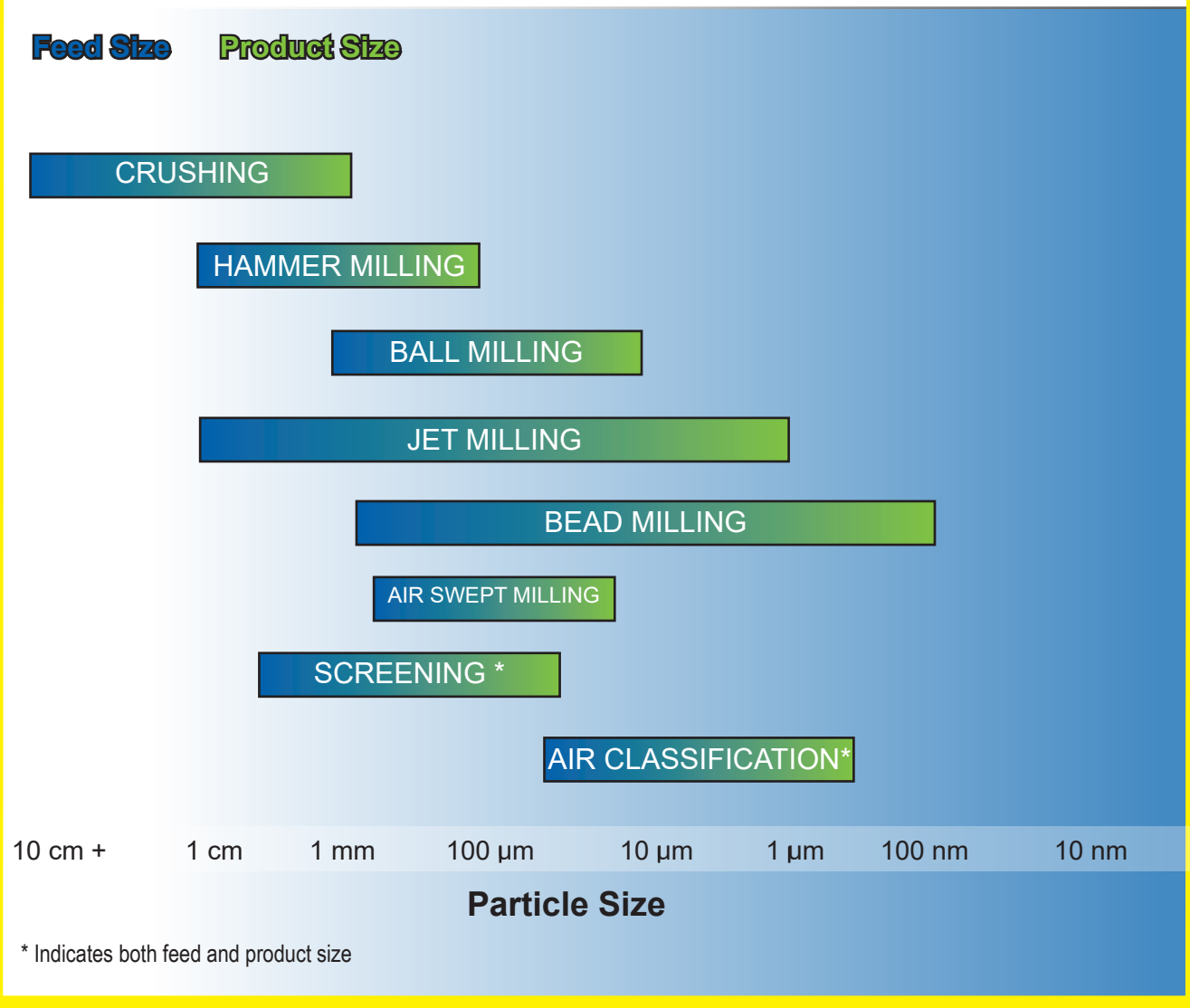
- COMMITMENT TO SAFETY
- PRIORITIZE CUSTOMER SATISFACTION
- CONSISTENT, EXCEPTIONAL PRODUCT
- USDA, FSIS INSPECTED & CERTIFIED
- KOSHER CERTIFIED
- CERTIFIED ORGANIC
- FSSC 22000
- ISO 9001
- HACCP PROGRAM

SERVICES AVAILABLE

- JET MILLING
- CRUSHING
- HAMMER MILLING
- CRYOGENIC HAMMER MILLING
- BALL MILLING
- BEAD MILLING
- VIBRATORY & ULTRASONIC SCREENING
- AIR CLASSIFICATION



MILLING & CLASSIFICATION



Technology	Wet	Dry	Food-Grade	Industrial	Details
Crushing		●		●	<ul style="list-style-type: none"> • Breaks large feed pieces • Useful "pre-crush" step
Hammer Milling		●	●	●	<ul style="list-style-type: none"> • Rapidly rotating hammers break particles • Inline screen helps regulate product size • Cryogenic milling
Ball Milling		●		●	<ul style="list-style-type: none"> • Uses grinding media inside a rotating drum
Jet Milling		●		●	<ul style="list-style-type: none"> • Media-less milling • Particles are directed at each other in opposing, high pressure air streams
Bead Milling	●			●	<ul style="list-style-type: none"> • Uses grinding media • Creates fine dispersions in water
Screening		●	●	●	<ul style="list-style-type: none"> • Vibratory and ultrasonic • Motion and gravity separate particles based on size
Air Classification		●		●	<ul style="list-style-type: none"> • Opposing air flows and centrifugal forces separate particles based on density
Air Swept Milling		●	●	●	<ul style="list-style-type: none"> • Fine grinding to 5- 50 microns with air-powdered particle transport