



**SPECIALIST IN PARTICLE TECHNOLOGY
TOLL MANUFACTURING**



HIGHLIGHTS

- BEAD MILLING
- HIGH SHEAR MIXING
- DISPERSION CHARACTERIZATION
- PROCESS DEVELOPMENT
- TOLL PROCESSING



EMPLOYEE OWNED

DISPERSION PROCESSING SERVICES

AVEKA has the Research and Development infrastructure and production capabilities to optimize and produce dispersions to meet your market needs.

Methods

AVEKA offers several options to wet, homogenize, deagglomerate and finely disperse solid particles in a liquid. The following methods are used to create stable and ultra-fine dispersions for a variety of applications.

- Liquid blending
- High-shear mixing
- Bead milling

From laboratory to production, let our dispersion experts help you to find the right processing method for your product.

R&D, PILOT & MANUFACTURING

AVEKA OFFERS:

- Full team of engineers and dispersion specialists
- Formulation adjustment and process development /optimization
- High-shear mixing
- Dispersion Processing
- Dedicated analytical laboratory
- Versatile processing equipment
- Contract manufacturing committed to the highest quality and customer satisfaction

UNDERSTAND YOUR DISPERSION

Full range of analytical tools to measure and understand critical behavior in dispersions

- Particle size measurement
- Particle charge through zeta-potential
- Surface area
- Rheology
- Solid content



DISPERSION PROCESSING EQUIPMENT

- Buhler K60 pilot & production mill
- Buhler K8 conical bead mill
- Dispermat Cowles disperser
- Silverson- Rotor / stator mixer
- Hauschild Speed Mixer
- Ball Mills

APPLICATIONS



- Ink-jet inks
- Specialty coatings
- Emulsions
- Agrochemicals
- Food ingredients
- Cosmetics
- Nutraceuticals
- High-tech ceramics
- Fuel cell and battery applications
- Electronics components and much more