



**SPECIALIST IN PARTICLE TECHNOLOGY
TOLL MANUFACTURING**

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 has three primary methods of generating dispersions:

- Bead milling
- High-pressure processing
- High-shear mixing

Each of these different processes has specific strengths and can be employed to make a stable, ultra-fine dispersions for a variety of applications.

R&D, PILOT & MANUFACTURING

AVEKA OFFERS:

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

HIGHLIGHTS

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



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
- Microfluidizer M110Y (high-pressure processing)
- 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