AVEKA

SPECIALISTS IN PARTICLE TECHNOLOGY
TOLL MANUFACTURING

HIGHLIGHTS

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

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 stable, ultra-fine dispersions for a variety of applications.

R&D, PILOT & MANUFACTURING

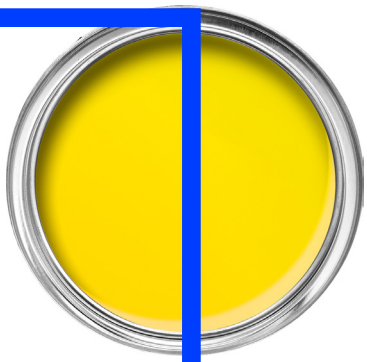
AVEKA offers

- 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 highest quality and customer satisfaction

2045 WOODDALE DRIVE, WOODBURY, MN 55125 TEL 888.317.3700 AVEKA.COM

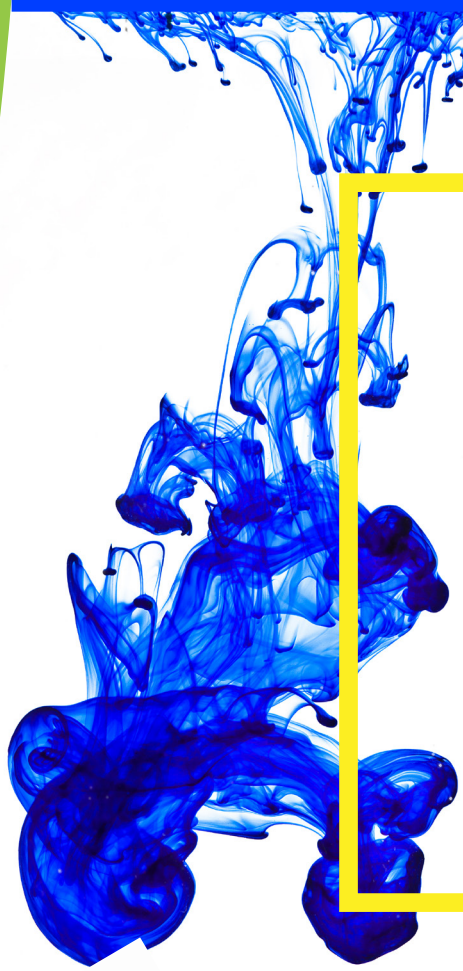
DISPERSION

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 K8 - conical bead mill
- Buhler Advantis high-energy bead mill
- Buhler COSMO high-shear bead mill
- Buhler PML-HV high-capacity disc mill with multiple grind chambers
- Buhler K60 pilot & production mill
- Ball mills (dry and wet)
- Microfluidizer M110Y (high-pressure processing)
- Dispermat cowles disperser
- Silverson - rotor stator mixer
- Ross high torque mixer
- Inca high-speed disperser

APPLICATIONS

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

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