# AVEKA

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 optons 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

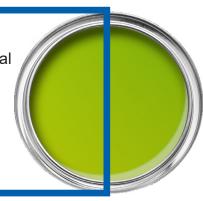
#### **AVEKA OFFERS:**

- 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