# SINGLE SHAFT DISSOLVER

## High-Speed Dispersion for Low to Medium Viscosity Products

OVERVIEW

High-speed disperser designed for rapid mixing and solid–liquid dispersion in low to medium viscosity products. Ideal for mill-base preparation, premixing, and pigment wetting across laboratory, pilot, and full-scale production environments.

BLADE DESIGN

### KEY PROCESS ADVANTAGE

High peripheral disc speed ensures fast wetting, deagglomeration, and consistent dispersion with efficient energy transfer and reduced batch time.

# TRI SHAFT DISSOLVER

## Triple-Agitator Systems for Very High Viscosity & Ultra-Fast Dispersion

OVERVIEW

Heavy-duty triple-agitator system integrating high-shear dispersion, anchor scraping, and helical or dual dissolvers. Designed for very high viscosity and high-solids formulations where conventional mixers reach performance limits.

TYPE B BLADE DESIGN

### KEY PROCESS ADVANTAGE

Multiple active mixing zones deliver ultra-fast dispersion, superior wall sweeping, and reduced batch times in extreme viscosity applications.

# RIBBON BLENDER

## Uniform & Gentle Mixing for Powders and Dry Blends

OVERVIEW

Horizontal ribbon blender for uniform, gentle mixing of powders and dry blends. Double-helical ribbons create balanced counter-current flow for consistent blending across food, pharma, and chemical applications.

BLADE DESIGN

### KEY PROCESS ADVANTAGE

Counter-rotating ribbon motion delivers high homogeneity while preserving fragile ingredients and minimizing product degradation.

# TWIN SHAFT DISSOLVER

## High-Performance Mixing for Medium to High Viscosity Materials

OVERVIEW

Coaxial mixing system combining a high-speed disperser with a slow-speed anchor scraper for efficient processing of medium to high viscosity materials. Ensures continuous wall movement and uniform dispersion in demanding formulations.

BLADE DESIGN

### KEY PROCESS ADVANTAGE

Simultaneous bulk movement and high shear eliminate dead zones, improving dispersion efficiency and reducing cycle time in viscous products.

# HORIZONTAL MILL

## Continuous Fine Grinding for Production-Scale Dispersion

OVERVIEW

Continuous production bead mill for fine grinding and particle size reduction of pigments and fillers. Designed for solvent- and water-based systems requiring high throughput, temperature control, and reproducible sub-micron dispersion.

BLADE DESIGN

### KEY PROCESS ADVANTAGE

High energy density grinding chamber delivers narrow particle size distribution, consistent quality, and efficient large-scale production performance.

# BUTTERFLY MIXER

## High-Torque Mixing for Ultra-High Viscosity & Thixotropic Products

OVERVIEW

High-torque mixer combining a slow-speed butterfly blade with a high-speed disperser. Engineered for ultra-high viscosity and thixotropic materials requiring strong wall wiping and controlled high-shear dispersion.

BLADE DESIGN

### KEY PROCESS ADVANTAGE

Butterfly scraping continuously feeds material into the shear zone, enabling efficient dispersion of highly viscous and non-flowing products.