



# LABORATORY DISPERSERS/MIXERS



*Standard Disperser with Electric Lift,  
High-Shear Blade, and PLC Controls*

## PREMIER OPTION FOR LABORATORY AND PILOT SCALE PROCESSING

*Ideal for Producing Uniform Batches up to  
5 Gallons [ 19 L ]*

Our laboratory and pilot scale dispersers and mixers offer versatile processing for various materials, ensuring uniform results. These adaptable units offer high-shear dispersion and low-speed mixing. Multiple blade configurations are available to meet your specific application requirements.

With variable speed and heavy-duty motors, our dispersers/mixers deliver consistent performance. Optional features include digital gauges, PLC controls, and interchangeable blades to align with your processing needs. Head lift systems, shaft guards, and sensors ensure safe and secure operation. Stainless steel contact components provide durability and explosion-proof options are available for hazardous environments.

# BETTER DISPERSIONS

## FEATURES/CAPABILITIES



Stirrer with Paddle Blade

- ✓ **Various Models/Sizes to Align with Your Needs**
- ✓ **Custom Blade Options for Dispersing or Mixing**
- ✓ **Variable Speed Operation for Precise Control**
- ✓ **Heavy Duty Motor Provides Consistent Results**
- ✓ **Stainless Steel Construction for Sanitary Requirements**
- ✓ **Integrate Controls With Other EMI Mills Equipment**



Standard Disperser with Electric Lift, Rotor Stator, and XP Controls

**BLADE OPTIONS** | Choose from a variety of high and low-speed blades for dispersing or mixing depending on your application. The rotor stator option provides increased mixing intensity by adding mechanical impact forces along with hydraulic shearing for dispersing, particle reduction, emulsifying, and homogenizing.

**SAFETY OPTIONS** | Safety features include adjustable vessel clamping, and safety switches to ensure head/shaft are in the lowered position. Shaft guards are also available for added protection.

**CUSTOM CONTROLS** | General purpose, explosion-proof NEMA-7 (pictured right), intrinsically safe, and PLC electrical controls available. The PLC option is equipped with a color display that monitors power, temperature, processing time, RPM, and more.

**STIRRER** | For small laboratory volumes, the Caframo Stirrer is a solid choice (pictured above). This variable speed disperser/mixer includes electronic control and digital display of shaft RPM for consistent batch to batch results. The blade can be raised/lowered manually, mixing shafts can be changed to use different blade styles, and various horsepower and RPM options are available.

## SPECIFICATIONS

MODEL	MXML-S	MXML-STD	MXEL-S	MXEL-STD	MXPL-STD
<b>DESCRIPTION</b>	MANUAL LIFT [SMALL SIZE]	MANUAL LIFT	ELECTRIC LIFT [SMALL SIZE]	ELECTRIC LIFT	PNEUMATIC LIFT
<b>MOTOR OPTIONS</b>	0.5 / 1 / 1.5 HP	1 / 1.5 / 2 / 3 HP	0.5 / 1 / 1.5 HP	1 / 1.5 / 2 / 3 HP	1 / 1.5 / 2 / 3 HP
<b>DIMENSIONS</b>	15 X 16 X 25" H [40" RAISED]	20 X 22 X 28" H [48" RAISED]	15 X 16 X 25" H [40" RAISED]	20 X 22 X 28" H [46" RAISED]	20 X 22 X 28" H [48" RAISED]

\*All dispersers/mixers include variable frequency drive (VFD)

\*Multiple power voltages available to meet customer requirements

\*Explosion-proof (XP) options available with manual and pneumatic lift models

## ABOUT EMI MILLS

EMI Mills (formerly Eiger Machinery Inc.) is a division of Schold and worldwide leader in fine particle technology. Since 1979, EMI media mills and mixers have been premier options for applications that require stable/uniform dispersions and narrow particle distribution. For additional equipment outside of EMI's scope, including full-scale production designs, Schold has you covered. From single units to complete process systems, EMI Mills has a solution to elevate YOUR operation.