



40L Mill with PLC Controls

IDEAL FOR PRODUCTION SCALE
BATCHES AND PROCESSING

*Common for Wet Milling, Fine Grinding, and
Dispersing Applications with Liquid and Paste
Type Viscosities*

The Production Mill is a versatile, horizontal milling option that offers continuous or re-circulation operation. Variable speed agitators provide precise control of energy input and pump flow rate ensures uniform batches and consistent product quality.

This mill features a direct drive system for simplicity and energy efficiency. The water-jacketed chamber and end plates provide temperature regulation. Explosion-proof motors/controls are available and can be customized to your specific application. The PLC system provides digital monitoring, data recording, and diagnostics.

Chamber Sizes: 5, 10, 20, 40, 75, 150 L

**BETTER
MILLING**

FEATURES/CAPABILITIES



Ceramic Grinding Media



40L Stainless Milling Discs

- ✓ **Narrow Particle Size Distribution and Stable Dispersions**
- ✓ **Single Pass or Re-Circulation Milling Options**
- ✓ **Variable Agitator Tip Speeds for Precise Control**
- ✓ **Jacketed Chamber/End Plate for Temperature Regulation**
- ✓ **PLC/HMI Controls Monitor Key Process Variables**
- ✓ **Ability to Use Same Mill for Multiple Applications**

COMPLETE SYSTEM | Complete milling systems include operator controls, feed pump, process monitoring sensors with interlocks, and prewired electrical panels for simple installation.

DIRECT DRIVE | The direct agitator drive provides 100% of the available horsepower for milling, providing simplicity and energy efficiency.

FEED PUMP | A feed pump is included and configured to meet customer requirements. Quick-connect piping is used for easy cleaning between batches.

MILLING DISCS | Depending on your product, we have various disc designs providing excellent media pumping to increase shear and impact forces necessary for efficient milling.

MEDIA SEPARATION | The high-flow screen media separation system is designed with single and double screen options to handle all applications.

CHAMBER SLIDE RAIL | The slide rail system is available to assist with maintenance, product changeover, and grinding media replacement.

GRINDING MEDIA | EMI Mills offers a wide range of grinding media (ceramic, steel, glass, and more) in various sizes to meet all applications. Along with the grinding media itself, EMI is an extension of your team, providing technical support and media management guidance from years of experience.



150L Mill with PLC Controls

SPECIFICATIONS

MODEL	P5	P10	P20	P40	P75	P150
CHAMBER	5 L	10 L	20 L	40 L	75 L	150 L
MIN BATCH	5 GAL [18 L]	20 GAL [75 L]	20 GAL [75 L]	50 GAL [189 L]	200 GAL [757 L]	350 GAL [1.3 KL]
STD BATCH*	30 - 100 GAL [113 - 378 L]	50 - 200 GAL [189 - 757 L]	50 - 300 GAL [189 L - 1.1 KL]	100 - 1000 GAL [378 L - 3.8 KL]	200 - 2000 GAL [757 L - 7.6 KL]	1000 - 5000 GAL [3.8 - 18.9 KL]
POWER*	15 HP	20 HP	30 HP	50 HP	100 HP	150 HP

*Each model can produce smaller or larger volumes. The chart above is a starting reference. Consult with our team about your application(s).

*Agitator tip speeds range from 0-16 m/s for all models

ABOUT **EMImills**

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 equipment outside of EMI's scope, including additional full-scale production designs, Schold has you covered. From single units to complete process systems, EMI Mills has a solution to elevate YOUR operation.