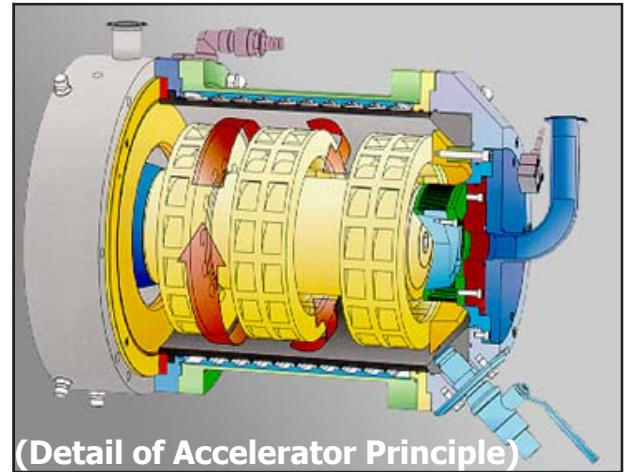


ECM SERIES HIGH-EFFICIENCY MILLS



Unique accelerator design, plus all new screen design, add up to dramatically increased performance of ECM High-Efficiency Mills.

RECIRCULATION OPERATION... Higher flow rates assure more passes, resulting in a finer grind and narrower particle-size distribution of the final product.



DISCRETE PASS OPERATION... In coating applications, the ECM Pro (illustrated) with an 18.2 liter chamber, has produced as much product as (2) 45 liter conventional mills. ECM Mills are up to five times more productive than conventional mills.

ECM High-Efficiency Mills are fast, efficient mills for continuous dispersion and wet fine grinding. Main applications are paints, inks, pigments, dyes, fillers, and agricultural chemicals. ECM Mills produce narrow particle size distribution.

Four models are available to meet various requirements:

- ECM-Pilot
- ECM-Poly
- ECM-Pro
- ECM-Plus

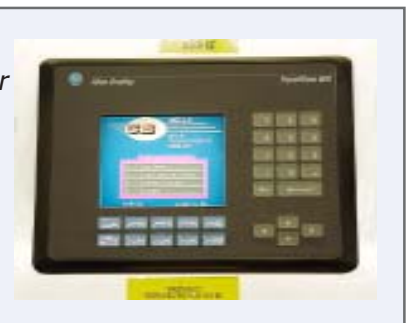
(see specifications on reverse side)



For processors requiring superior quality, high production rates, economical power consumption and a small footprint, call us for a demonstration of ECM High-Efficiency Mills.

- **REDUCED ENERGY CONSUMPTION**
- **NARROWER PARTICLE SIZE DISTRIBUTION**
- **BEAD PACKING AND SCREEN BLINDING ELIMINATED**
- **FIVE TIMES MORE PRODUCTIVE THAN CONVENTIONAL MILLS**

Allen-Bradley PLC Controls
Assure easy-to-use operator interface and include self-diagnosis of process faults, plus automatic announcement of preventative maintenance schedules.



CB MILLS / DYNO[®]-MILL ECM HIGH-EFFICIENCY SERIES

OPERATION...In ECM High-Efficiency Mills, media is accelerated by DYNO-Accelerators. The unique construction minimizes media slippage and friction, providing more efficient use of available energy for dispersion. Controlled internal flow patterns concentrate dispersion energy on the product.

GRINDING BEAD SEPARATION...The media is retained in the mill by using a wear-resistant screen cartridge. The special DYNO-Accelerators and the construction of the surrounding machine parts are designed to ease the stress of the grinding media on the separator system. This minimizes screen wear and promotes unrestricted product discharge. Screen cartridge can be replaced without opening the grinding container. A variety of media types and sizes can be used. Media is available and shipped from stock.

Advantages of ECM High-Efficiency Mills

- High Throughputs
- High Capacity
- Optimum Energy Utilization
- Small Process Volume
- Ideal for Circulation Milling
- Easy to Clean
- Easy to Handle
- Screen (service without opening the grinding container)
- Low Energy Consumption

ECM PILOT FOR LABORATORY APPLICATIONS AND SMALL BATCH PRODUCTION

- PRODUCT FORMULATION
- RESEARCH AND DEVELOPMENT
- DIRECT SCALE-UP
- SMALL BATCH PRODUCTION



COMPONENTS...Wetted contact parts are available in materials such as hardened stainless steel, hardened steel, ceramic, and silicon carbide. These advanced materials allow for maximum cooling efficiencies

SHAFT SEAL...Cartridge-style, double-mechanical seal is easily exchangeable. Pressure in the rinsing circuit is adjusted according to the process conditions.

ECM SERIES SPECIFICATIONS		ECM-Pilot	ECM-Poly	ECM-Pro	ECM-Plus
Grinding Container	Liters/Gal	1.5 / .40	8.0 / 2.1	18.2 / 4.8	23.3 / 6.1
Main Motor	HP	7.5-10	30-40	50-60	50-60
Capacity	Lbs./Hr.	200	220-2200	880-4400	880-5000
Weight	lbs.	794-838	1540-1980	4190-4410	4190-4410
Dimensions H x L x W (approx.)	In.	28 x 44 x 33	66 x 53 x 42	70 x 71 x 40	70 x 75 x 40
Grinding Bead Size	mm	0.3 - 2	0.3 - 2	0.3 - 2	0.3 - 2
Grinding Container Temp.	°F	max. 185	max. 185	max. 185	max. 185
Grinding Container Pressure	PSI	60	60	60	60
Cooling Water	In.	1/2"	5/8"	5/8"	5/8"