

"Red Head"®



TIME PROVEN & COST-EFFECTIVE, THE UNIVERSAL STANDARD FOR CONTINUOUS WET MILLING – OPEN OR SEALED MODELS AVAILABLE



OPEN MODEL

"Red Head" Small Media Mills are proven performers. They are vertical mills designed to grind / disperse: paints, inks, dyes, chemical coatings, magnetic tape coatings, paper coatings, agricultural chemicals, minerals, chocolate, etc. "Red Head" Mills have been in service for over 50 years and continue to meet many customer's needs. They are available in the original open design or with Seal Kits to eliminate fugitive vapor emissions.

Technologically, "Red Head" Mills have evolved since 1955. They are economical, efficient, easily controlled media mills that are easily adapted to a variety of wet milling applications. Current models feature a **high efficiency agitator shaft assembly**, increasing productivity up to 200%.



SEALED MODEL

MODEL	DIMENSIONS				POWER		CAPACITY	
Model #'s Ending in "S" denotes Sealed Unit	(Approx.) Overall Height	(Approx.) Width & Depth Base	(Approx.) Height to Spout	Weight LBS.	H.P. Main Drive	H.P. Pump Drive	Output Gal/Hr.	Batch Range Gallons (1st # is typical minimum batch size).
3-P	81-3/8"	36" x 29"	42"	1100	7.5	.25	8-45	10-125
3-P-S			53"					
8-P	82-1/2"	46" x 41"	39"	2170	20	1	30-75	25-400
8-P-S			57"					
16-P	84-1/4"	48" x 49"	40"	3260	30	1.5	60-160	50-750
16-P-S			60"					
30-P	100-1/4"	55" x 54"	50"	4000	50	1.5	100-350	150 & UP
30-P-S			70"					
60-P	121"	64" x 60"	56"	7100	75	1.5	170-600	300 & UP
60-P-S			81"		100 Optional			

For additional information or to arrange for a demonstration, please contact us.

rev. 031004



DIVISION OF
CHICAGO BOILER COMPANY
SINCE 1891

1300 Northwestern Ave., Gurnee, IL 60031-2348
Phone: (800) 522-7343 (847) 662-4000

Fax: (847) 662-4003
Internet: www.cbmills.com
E-mail: sales@cbmills.com

"Red Head" PRODUCTION MILLS

There are five basic sizes of open or sealed production mills. Typical batches range from ten to more than several thousand gallons and outputs ranging from eight to more than 600 GPH.

"Red Head" Open Mills are reliable, easy to operate, and simple to maintain.

Sealed models are designed to provide the same reliability as open models and reduce VOC emissions.

INCREASE PRODUCTIVITY UP TO 200% ON "Red Head" MILLS

Now you can make your "Red Head" Mills up to 200% more efficient by installing the New Agitator Shaft.



- The shaft assembly is easier to assemble and disassemble.
- The horsepower of your drive motor is more efficiently coupled to your product.
- The new shaft eliminates the stabilizer and adds an extra disc to increase media acceleration.
- Spacers keep the shaft clean, making disassembly for disc replacement or position changes clean and easy.
- The entire shaft stack is held together by a retaining cap engaged by a single bolt.

CONVERT OPEN "Red Head" MILLS TO SEALED MILLS WITH CB MILLS SEAL KITS



- Eliminates vapor loss to help achieve compliance with the Air Quality Standard Act
- Minimum maintenance
- Process higher solids systems
- Spherical media must be used with a Seal Kit

"Red Head" Mill Seal Kits are available for all open "P" Model "Red Head" Mills. The Seal Kit is easily fitted on top of the existing vessel. All installation parts are included with the Seal Kit (including a drilling template for proper fit).

The "Red Head" Seal Kit can be installed on-site by your own personnel. If more extensive work is necessary, CB Mills can completely rebuild your current mills into "like-new" equipment. Call for more information and/or a quote.

Your operators will welcome the addition of "Red Head" Seal Kits because they enhance equipment they already know. Tried and true formulations are not changed. Maintenance remains minimal and "Red Head" reliability is assured. Vapor loss is reduced with commensurate reduction of VOC's to comply with air quality laws.

REBUILD

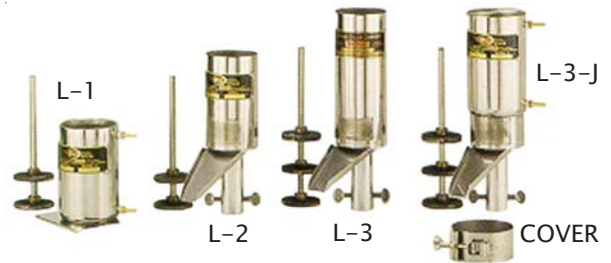
"Red Head" Mills can be rebuilt to "like new" condition and/or converted to sealed models. For more information and a quote call us at 1-800-522-7343.

MEDIA

Proper media selection helps assure desired results. To achieve your dispersion requirements, CB Mills offers a broad selection of grinding media. We stock various media in numerous sizes and usually ship within twenty-four hours of receipt of order. You can fax or call in your orders. (See our media brochures with complete media information.)

"Red Head" LAB MILLS

Capable of producing small-lot dispersions. "Red Head" Laboratory Mills are easily adapted for operation on a utility drill press with an explosion-proof motor and a spindle speed of 2400 RPM or with our CB Mills' laboratory power stand. All have stainless steel contact parts with either cast alloy or nylon agitators. Lab Mills are ideal for checking quality of incoming materials, media types, and milling capability.



- **L-1** (1 liter) Water-Jacketed batch size for 300 ml samples. This model allows you to determine ultimate end point on color, particle size, and probable production rate of formulations.
- **L-2** (1 liter) Top-Feed Continuous Mill with a 45-mesh screen and no water-jacket. This model allows for quick bracketing of vehicle/pigment loading.
- **L-3** (2 liter) Same as the L-2 except for increased capacity.
- **L-3-J** (2 liter) Water-Jacketed, Top-Feed Continuous Mill with a 45-mesh screen. This mill is ideal for short run applications where temperature control is necessary.
- **Optional screen cover** covers your continuous "Red Head" Lab Mill to a batch mill.

"Red Head" L-5-P is a continuous, small media vertical mill. It is an excellent laboratory test unit used to:

- Determine whether your product can be produced in a small media mill.
- Determine the optimum formulation to maximize the efficiency of your "Red Head" Production Mill.
- Determine production rates that can be expected for your product on larger "Red Head" Small Media Mills.
- Determine the optimum media size and type to maximize your production efficiency.



The L-5-P can be used in your plant for small specialty production batches. This allows you to continue normal production schedules on your larger mills.