

FOR OVER 130 YEARS, **BRADLEY PULVERIZER** HAS PRODUCED RELIABLE, HEAVY-DUTY ROLLER MILLS THAT ARE BUILT TO LAST EVEN IN THE MOST DEMANDING ENVIRONMENTS.

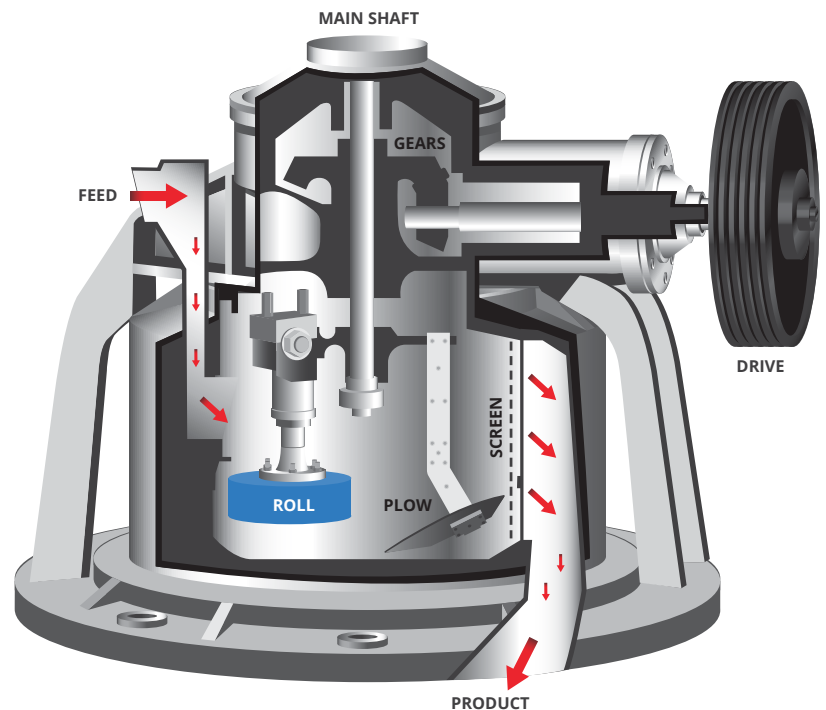
Often found in quarries and cement plants, the Bradley Pulverizer Junior Hercules Screen Mill is a proven performer for grinding and sizing materials in one operation. Bradley Mills are used to process a variety of materials with the most challenging specifications for particle size distribution.



## PRINCIPLE OF OPERATION

Our flagship mills are centrifugal ring-roll pulverizers - equipped with two or three pendulum roll assemblies suspended from a rotating carrier. As the carrier rotates, centrifugal force causes the roll assemblies to swing outward against the stationary ring. Material is picked up by and directed between the roller and ring where it is ground using a combination of attrition and impact. The pulverized particles escape from the mill through the surrounding screens and drop through the ports in the mill base to a conveyor installed below the mill.

Ideal for hard, friable material applications, the mill speed can be altered to match the grinding force required for the material being ground.



# SCREEN MILLS

## GRIND & SCREEN IN ONE STEP

IDEAL FOR HARD, FRIABLE MATERIAL APPLICATIONS, THE MILL SPEED CAN BE ALTERED TO MATCH THE GRINDING FORCE REQUIRED FOR THE MATERIAL BEING GROUND.

## PERFORMANCE FEATURES

- AUTOMATIC FEED CONTROL MAINTAINS MILL AT OPTIMUM PRODUCTION RATE AND PREVENTS UNDER OR OVERLOADING OF THE MILL
- IMPROVED EFFICIENCY DUE TO MINIMUM NUMBER OF HEAVY ASSEMBLIES TO YIELD MORE TPH
- LOW SPEED MEANS LOW WEAR AND CONSISTENT QUALITY
- GROUND LEVEL ACCESS ALLOWS FOR EASY MAINTENANCE
- HEAVY CAST CONSTRUCTION MAKES FOR A ROBUST AND RELIABLE OPERATION FOR DECADES OF PERFORMANCE
- VENTED FOR DUST FREE OPERATION
- NO RECYCLING OF OVERSIZED PARTICLES
- FINISHED PRODUCT FINENESS EASILY ALTERED

## SPECIFICATIONS

MILL MODEL	MILL MOTOR SIZE	MAX FEED SIZE	MILL WEIGHT	DIE RING DIAMETER
JUNIOR HERCULES	75 kW 100HP	25mm 1"	9 tons 19,650LB	1067mm 42"

## APPLICATIONS

MATERIAL	JUNIOR HERCULES TPH	FINENESS PERCENT PASSING				
		10M	20M	60M	100M	200M
AGRICULTURAL LIMESTONE	8-10	—	98-100	75-80	65-70	55-60
AGRICULTURAL LIMESTONE	10-12	100	90	60-65	50-55	40-45
PHOSPHATE ROCK	7-8	—	—	90-95	70-80	50-55
CLINKER	6-7	—	—	—	70-75	55-60

NOTE: The output of the Bradley Junior Hercules Screen Mill depends upon the grindability of the rock, the amount of moisture present and the fineness of the finished product required.

FOR OVER  
**130**  
YEARS

Airswept Mills | Screen Mills | Air Classifiers | Process Units  
Project & Design | Testing, Development & Consultancy



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