



Allegheny Manufacturing offers equipment solutions for even the most challenging size reduction applications.

Our line of hammer mills and grinders are ruggedly constructed to provide years of efficient production, and are ideal for either standalone processing or incorporating into a turn-key system.

### **B Series Hammer Mill for Abrasives**



- Standard duty grinders for abrasive and coarse grinding applications
- 7 models
- Swing and rigid hammers
- Grate or rolled screens
- Hydraulic opening and convenient access doors
- Thick abrasion resistant (AR) liners
- Simple, heavy duty design
- Ideal for small to medium capacity throughput

### **F Series Fine Grinding Hammer Mill**



- High speed fine grinders best suited for non-abrasive materials
- 7 models
- Designed for high volume, high speed size reduction
- Higher horsepower (operates at 3600 RPM)
- High hammer tip speed for a fine product
- 4-way reversible hammers
- Swing and rigid hammer

### **R Series Recycling Hammer Mill**



- Heavy duty, high reduction ratio crusher
- 5 models
- Adjustable aprons to control size reduction
- Hydraulic openings and convenient access doors
- Largest and heaviest hammers
- Large feed opening
- Carbide or cast hammers
- Thick AR liners
- Multiple rotor options available

Precision equipment. Built to last.

APPLICATIONS

Bison (B) Series Standard Hammer Mill	Bison (F) Series Fine Grinding Hammer Mill	Bison (R) Series Heavy Duty Recycling Hammer Mill
<ul style="list-style-type: none"><li>• Agricultural Products</li><li>• Ceramics</li><li>• Glass</li><li>• Minerals</li><li>• Ores</li><li>• Wood Waste</li></ul>	<ul style="list-style-type: none"><li>• Bark</li><li>• Biomass</li><li>• Cement</li><li>• Dry Chemicals</li><li>• Minerals</li><li>• Planer Shavings</li><li>• Sawdust</li></ul>	<ul style="list-style-type: none"><li>• Asphalt</li><li>• Ceramics</li><li>• Concrete</li><li>• E-Waste</li><li>• Scrap Metal</li><li>• Stone</li></ul>

REPLACEMENT PARTS

Regular maintenance is the key to the optimal performance of your size reduction equipment.

Allegheny Manufacturing carries a large inventory of replacement wear parts for hammer mills, and impact crushers.

We can provide wear parts suitable for equipment for most OEMs. We strive to fill replacement orders within one business day.



Screens & Hammers

# Bison Series Hammer Mills

## Technical Specifications

### B Series Standard Hammer Mills

MODEL	ROTOR DIAMETER (in)	AVAILABLE SCREEN DISCHARGE AREA (sq. in)	BEARINGS (mm)	WEAR PLATE THICKNESS (in)	HP RANGE	RPM RANGE	TIP SPEEDS
B-8	16	200	50	¼	5-10	1800-3600	7540-15080
B-16	16	400	55	½	15-25	1800-3600	7540-15080
B-24	16	600	75	½	30-50	1800-3600	7540-15080
B-30	24	1130	90	¾	60-100	1200-2200	7540-13800
B-36	24	1350	90	¾	100-150	1200-2200	7540-13800
B-48	30	2260	100	1	200-300	1200-2200	9420-17280
B-60	30	2830	120	1	250-400	1200-2200	9420-17280



Clay

### F Series Fine Grinding Hammer Mills



Limestone

MODEL	ROTOR DIAMETER (in)	AVAILABLE SCREEN DISCHARGE AREA (sq. inch)	BEARINGS (mm)	HP RANGE	RPM RANGE	TIP SPEEDS
F-8	20	250	50	5-15	2200-3600	11520-18850
F-16	24	600	55	10-30	2200-3600	13820-22620
F-24	24	900	75	30-50	2200-3600	13820-22620
F-30	30	1400	90	60-150	2200-3600	17280-28275
F-36	36	2035	90	75-200	2200-3600	20730-33930
F-48	36	2715	100	150-250	2200-3600	20730-33930
F-60	42	3960	120	300-500	2200-3600	24190-39580

### R Series Heavy Duty Recycling Hammer Mills

MODEL	ROTOR DIAMETER (in)	AVAILABLE SCREEN DISCHARGE AREA (sq in)	BEARINGS (mm)	FEED OPENING (in)	FOOT PRINT (in)	HP RANGE	RPM RANGE	TIP SPEEDS
R-18	24	680	60	15 x 24	22 x 55	25-30	800-1200	5025-7540
R-24	36	1360	75	22 x 35	67 x 33	75-125	400-1000	3770-9425
R-36	36	2035	90	33 x 35	67 x 45	100-200	400-1000	3770-9425
R-48	36	2715	100	44 x 35	67 x 57	150-250	400-1000	3770-9425
R-60	36	3390	120	55 x 35	67 x 69	200-300	400-1000	3770-9425



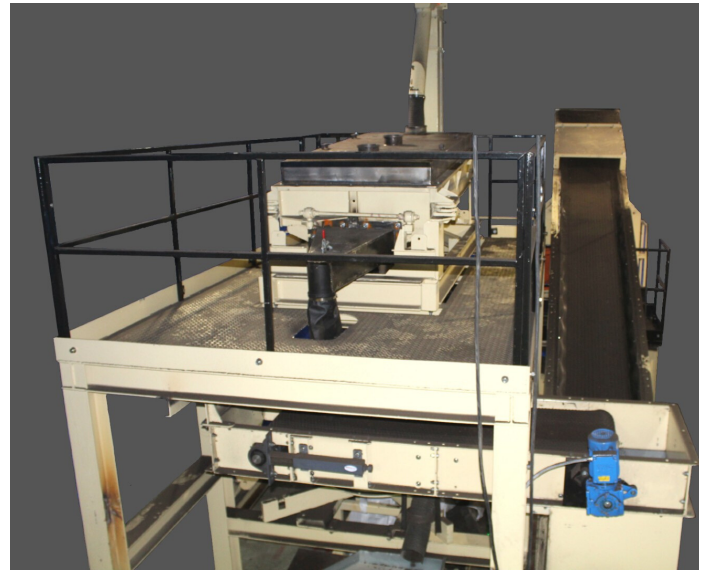
Smart Phones



# Testing and Toll Processing

Allegheny Manufacturing's modern testing and analytics facility is equipped with laboratory scale equipment with the capability of processing a wide variety of materials.

Our team of material handling experts then extrapolate the results into design process solution recommendations to match the customer's requirements.



## Our Pilot Plant is equipped with:

- Primary and secondary hammer mills
- Screen separators
- Density separator
- Closed loop conveying and bagging options



## Toll Processing Services

- This cost-effective service removes the added expense of the labor, equipment, and production space for short-run requirements.
- Initial product testing and analysis are complimentary.
- Longer term toll processing is costed on a per-application basis.



Asphalt Shingles



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