

SIZE REDUCTION EQUIPMENT



More...much more for your money.

SchutteBuffalo
HAMMER MILL

**ONE
COMPANY
FOR ALL
YOUR SIZE
REDUCTION
EQUIPMENT
NEEDS.**

**THE
SCHUTTE-
BUFFALO
HAMMER MILL
ADVANTAGE**

For over 70 years, both Schutte Pulverizer and Buffalo Hammer Mill have been industry leaders in size reduction equipment manufacturing, from grinders and pulverizing equipment to hammer mills, lump breakers and related equipment.

Now, the complete lines of Schutte Pulverizer and Buffalo Hammer Mill size reduction equipment are available exclusively from one company — Schutte-Buffalo Hammer Mill.

Schutte-Buffalo Hammer Mill offers you a larger, more diverse product line backed by nearly 150 years of combined experience in the crushing, grinding and pulverizing industry. Our simple, yet versatile machines offer you the optimum combination of low initial investment and long-term durability, no matter what the application.

This brochure provides an overview of our hammer mills from lab scale to heavy industrial as well as lump breakers, custom equipment and testing services.

At Schutte-Buffalo Hammer Mill, we combine proven technology with state-of-the-art design, engineering and manufacturing capabilities to give you distinct advantages. We constantly strive to create products that are simpler, safer, longer-lasting and more energy efficient. You can count on our equipment for:

- **Durability** - Rugged steel plate construction and precision in-house machining for decades of continuous service.
- **Efficiency** - Equipment tailored to your specific needs.
- **Dependability** - From batch runs to 24-hour continuous duty under the most rigorous conditions.
- **Low maintenance** - Easy access to screens and other components reduces downtime for maintenance.
- **Testing and performance guarantee** - We offer free lab testing services including test grinding, sieve analysis and videotaping of material being ground. When you take advantage of our testing services and we provide the mill you need based on these tests, we will provide an exclusive performance guarantee. Schutte-Buffalo Hammer Mill guarantees the equipment will produce the desired particle size at or above the desired throughput rate.

Before you invest in any product, compare Schutte-Buffalo Hammer Mill equipment with the others. By specifications, features, capacity, performance or any other measure, you'll discover we offer you more...much more for your money.

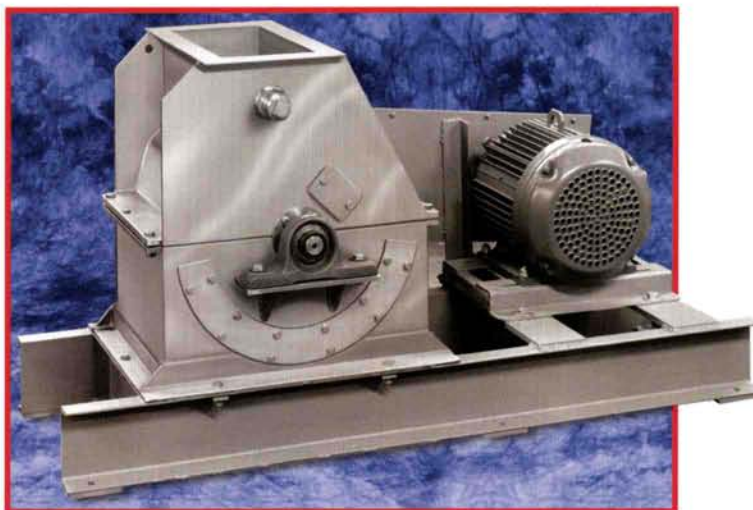
HAMMER MILLS

Schutte-Buffer Hammer Mills offers a wide selection of hammer mills for virtually any application. Our most popular series are described here.

W SERIES

Bottom discharge units for dependable crushing and grinding of most materials.

- Ideal for processing heavy or wet materials
- Sizes from 6" laboratory units to 60" wide industrial grinders suitable for mining operations
- Rotor configuration, RPM and screen size variable for optimum performance on your material
- Wide selection of hammer materials in swing or fixed mounts
- Dust-tight or water-tight construction
- All stainless steel construction available for food, chemical or other applications
- Accepts both perforated and bar-type screens
- Mill-top metal traps at no extra charge
- Special configurations on request



AVAILABLE MODELS

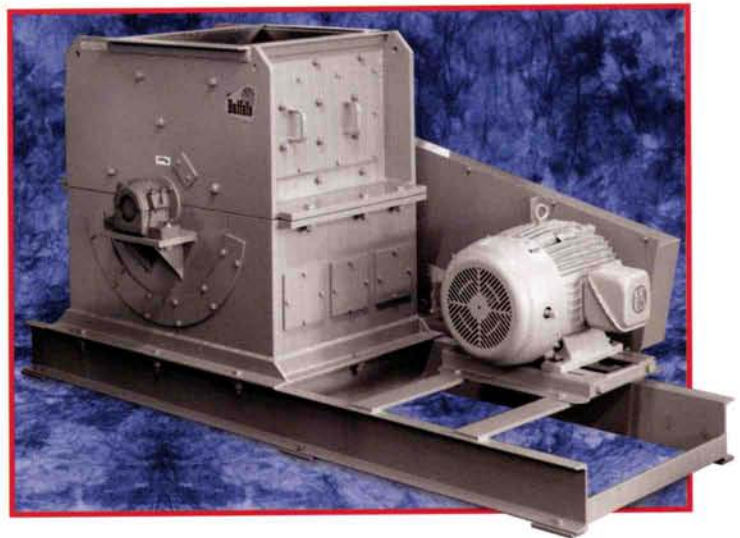
Model	Rotor Diameter	Typical Horsepower	Mill Speed (Maximum Rotor RPM)
W-6-L	9"	2	5,000
W-8-L	9"	3	5,000
W-8-H	16"	5-20	3,600
W-12-L	16"	10-20	3,600
W-16-L	16"	10-25	3,600
W-12-H	18"	15-50	3,000
W-16-H	18"	15-50	3,000
W-20-L	18"	20-50	3,000
W-25-L	18"	20-50	3,000
W-20-H	24"	25-75	2,800
W-25-H	24"	25-75	2,800
W-30-L	26"	50-100	2,400
W-36-L	26"	50-100	2,400
W-30-H	30"	50-150	1,800
W-36-H	30"	50-150	1,800
W-40-L	30"	50-150	1,800
W-50-L	30"	50-150	1,800
W-60-L	30"	50-150	1,800
W-40-H	40"	100-250	1,200
W-50-H	40"	100-250	1,200
W-60-H	40"	100-250	1,200

HAMMER MILLS

WA SERIES

Bottom discharge units for grinding moderately to highly abrasive materials.

- Specifically designed to withstand the abuse of grinding abrasive materials
- Heavy-duty, replaceable, abrasion-resistant wear plates in mill top and base
- Heavy-duty, reversible hammers made from a variety of abrasion-resistant materials
- Heavy-duty rotor assembly
- Rugged bar screens, or thick perforated metal screens to size material
- Dust-tight or water-tight construction
- All stainless steel construction available
- Structural steel sub-bases for V-drive or direct connection
- Mill-top metal traps at no extra charge
- Special configurations on request



AVAILABLE MODELS

Model	Rotor Diameter	Typical Horsepower	Mill Speed (Maximum Rotor RPM)
WA-6-L	9"	2	5,000
WA-8-L	9"	3	5,000
WA-8-H	16"	5-20	3,600
WA-12-L	16"	10-20	3,600
WA-16-L	16"	10-25	3,600
WA-12-H	18"	15-50	3,000
WA-16-H	18"	15-50	3,000
WA-20-L	18"	20-50	3,000
WA-25-L	18"	20-50	3,000
WA-20-H	24"	25-75	2,800
WA-25-H	24"	25-75	2,800
WA-30-L	26"	50-100	2,400
WA-36-L	26"	50-100	2,400
WA-30-H	30"	50-150	1,800
WA-36-H	30"	50-150	1,800
WA-40-L	30"	50-150	1,800
WA-50-L	30"	50-150	1,800
WA-60-L	30"	50-150	1,800
WA-40-H	40"	100-250	1,200
WA-50-H	40"	100-250	1,200
WA-60-H	40"	100-250	1,200

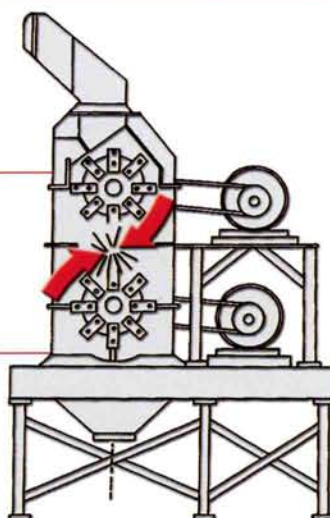
RA SERIES

Dual-stage hammer mills.

- Bottom discharge unit grinds, crushes and pulverizes heavy bulk objects to a fine powder in a single pass.
- Designed to process many materials including highly abrasive materials
- Ultra-fine grinding of many materials eliminates expense of installing a separate pre-breaker
- Available in 8 to 60 inch widths
- Optional configuration allows for single-stage/dual-stage operation
- A single pass through the R Series Mill produces far better particle size results than multiple passes through a single stage mill.



Wind produced by the revolving rotors creates a suspension zone that produces additional size reduction. In many instances, this will produce results similar to that of jet milling — at a much lower cost.



LUMPBREAKERS

BD SERIES

From batch runs to continuous operation, we offer a wide selection of lumpbreakers to meet your demanding specifications.

- Low initial cost, high capacity, low energy consumption
- Rugged carbon or stainless steel construction, available in a wide range of sizes
- Can be configured to produce exact particle size required
- Low maintenance, easy to service, readily available parts



LAB GRINDERS

We have a selection of lab grinders that will enable you to grind more material, more economically than ever before.

W SERIES

The most versatile and widely used lab grinder.

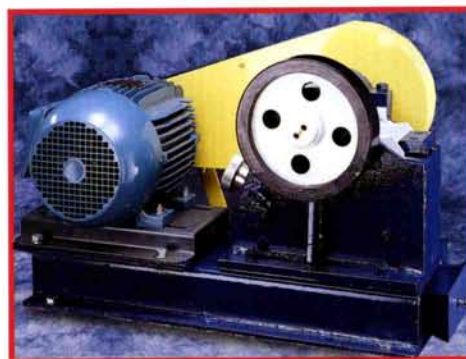
- Stainless or carbon steel construction available
- Reduces material to exact particle size required
- Wide variety of configurations to suit any application
- Corrosion and abrasion resistant construction
- Ideal for batch work, pilot facilities or small production runs



LABORATORY JAW CRUSHERS

Lab or pilot scale production models available.

- Ideally suited for reducing rock or similar materials from 5" down to 3/8" with a minimum of fines creation
- Produces uniform finished product or as pre-break material
- Efficiently pre-breaks material for subsequent processing
- Heavy-duty weld fabricated main frame of heat-treated and stress relieved steel
- Reversible, wear resistant manganese jaw plates



FULL CIRCLE MILLS

CIRC-U-FLOW HAMMER MILLS

Unique screen configuration delivers highest possible throughput.

- State-of-the-art design features for the most efficient hammer mill operation
- Reversible rotation extends life, reduces downtime
- Smooth, uniform granules with minimum of fines or powder
- Airless operation utilizes gravity for efficient material flow
- Variety of sizes to choose from including high-speed and low-speed models

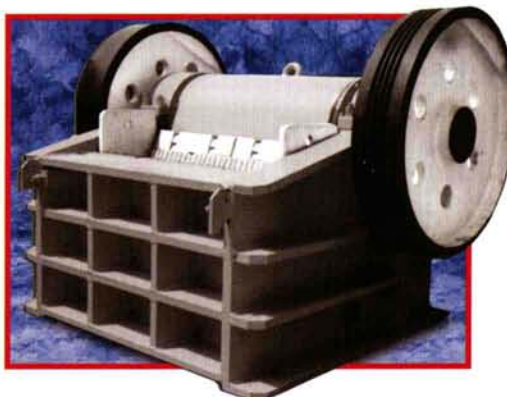


SPECIALTY EQUIPMENT

JAW CRUSHERS

Process hard rock, limestone, concrete and asphalt with capacities to 500 tph.

- Industrial and laboratory jaw crushers with rugged construction and superior components
- Heavy-duty frames of stress-relieved steel for long life
- Handles infeed material size to 26"
- Spherical roller bearings with labyrinth seals run smooth longer
- Heat-treated alloy steel eccentric shaft for rugged reliability



IMPACT CRUSHERS

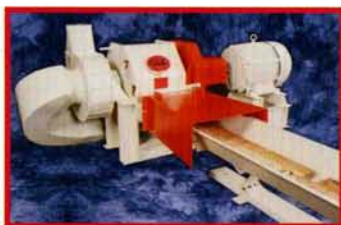
The cost-effective choice for tough crushing.

- For primary and secondary hard rock crushing, asphalt and concrete recycling
- High reduction ratio
- High quality cubical product
- Adjustable dual aprons provide flexibility in sizing product
- Large, clear discharge opening



WOOD PROCESSING EQUIPMENT

Schutte-Buffalo Hammer Mills offers a wide selection of grinders and hammer mills for a variety of wood processing applications. Some of our most popular models are highlighted here.



SERIES HZF HORIZONTAL FED TRIM SCRAP GRINDER

Costs less to own and operate, saves power and provides a superior, virtually splinter-free grind.



PALLET GRINDER — THE HOGERIZER®

Produces a fine, clean marketable grind in just one pass. Models for full or partial pallet grinding.



BARK GRINDER

Positive pulverizing of any kind of bark. Designed for efficient grinding of all bark material, whether dry, wet or stringy.

TESTING SERVICES

Schutte-Buffalo Hammer Mill offers testing lab services to all customers at no extra charge. We offer free test grinding, sieve analysis, and videotaping of your material being ground. Our engineering team will determine the proper mill size and horsepower, screen size, rotor configuration and operating speed for your specific application.



PERFORMANCE GUARANTEE

Schutte-Buffalo Hammer Mill offers an exclusive Performance Guarantee that helps you eliminate the risk of purchasing the wrong equipment for your needs.

First, you provide sample material to us for testing to ensure the right mill and mill design for your desired particle size and throughput rate. Schutte-Buffalo Hammer Mill will then guarantee the mill we build for you will perform as our test report indicates and will match the sample product returned to you for evaluation. Your mill is guaranteed to produce the desired particle size at or above the desired throughput rate.



CALL SCHUTTE-BUFFALO HAMMER MILL TODAY

Whether you need to grind, crush, granulate, de-lump, shred, pulverize, de-fiberize, recycle...or all of the above, we have the size reduction equipment you need.

Call **1-800-4GRIND4** or visit www.hammermills.com for more information. And see for yourself how we give you more...much more for your money.



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HAMMER MILL

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