



The experts in wood grinding.

**SchutteBuffalo**  
HAMMERMILL

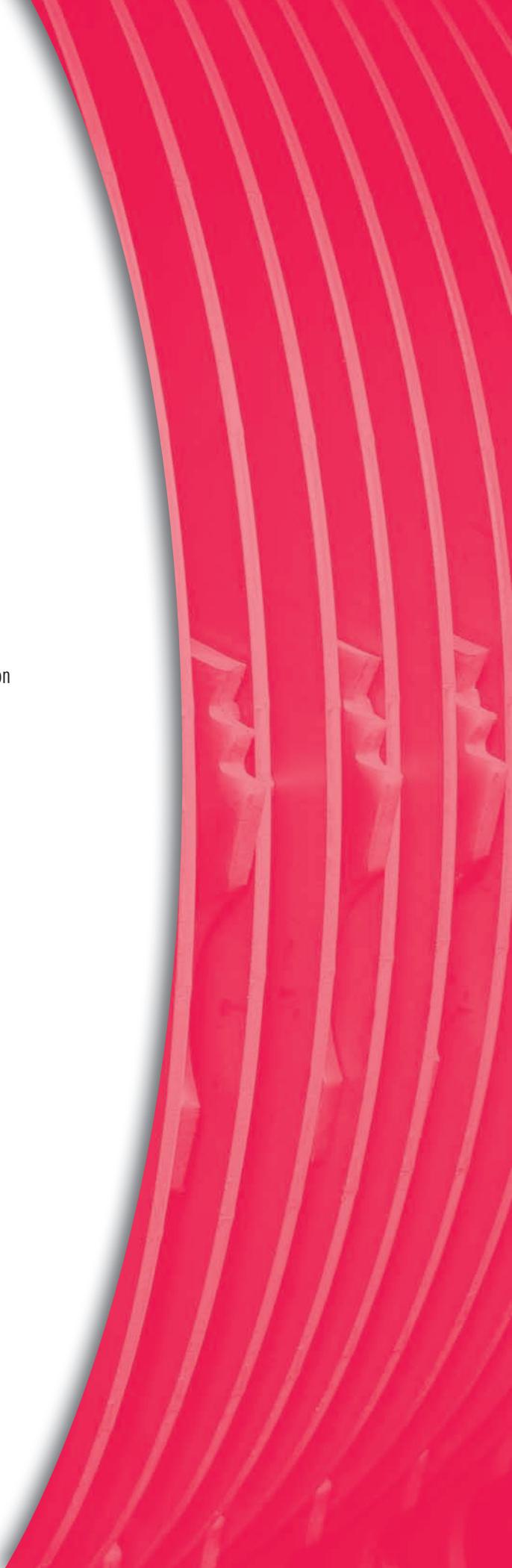
America's fastest growing hammermill company

## Quality, since 1928.

More than 80 years of expertise. Designed, custom engineered and manufactured for customers around the globe. We've been the trusted leader for size reduction machinery for wood processing since 1928.

No other manufacturer has sold more fine grinding hammer mills. At work, with more than 6,500 installations worldwide. It's durability through quality and more productivity through efficiency. The perfect blend of time-proven technology with cutting-edge innovation for today's rapidly-changing applications.

**Schutte-Buffalo Hammermill.**



“ Our **Schutte-Buffalo grinder addition** solved our quality control problem. Our production rate has **increased by a factor of four**, so there are no longer any bottlenecks. ”

Ferdy Lehmen, Owner  
Mid America Truss

## Highly refined.

All of our equipment features components custom configured to suit you, your material and your production goals. From single units to complete turnkey systems — along with free material testing and a complete line of replacement parts.

- Medium to Fine Grinding Hammer Mills
- Full Circle Screen Hammer Mills
- Pallet & Pallet Scrap Grinders
- Heavy-Duty Bark Grinders
- Trim Scrap Grinders





## The means to **your end product.**

We do it all. Ready, set, grind . . .

### Applications:

- Green Wood Chips
- Dry Wood Chips
- Hogged Wood Scrap
- Planer Shavings
- Torrefied Wood
- Particle Board
- MDF
- Bark

- Sawdust
- Pallets & Pallet Scrap
- Rippings, Edgings  
& Trim Block
- Furniture Scrap

### End Products:

- Boiler Fuel
- Pellets & Briquettes
- Biodiesel
- Animal Bedding
- Landscape Mulch
- Playground Cover
- Composite Lumber
- Wood Flour

“ The **plant operation** is not profitable without using wood as an ingredient. Our **Schutte-Buffalo grinder** addition **solved our quality control problem** and we now have **better** material than we were ever able to buy before. ”

Greg Camp, Plant Manager  
Boral Bricks



## 13 Series Finish Grinding Wood Hammer Mill

Ideal for mid-range production operations, the 13 Series Finish Grinding Wood hammer mill is able to process virtually any biomass feedstock to the exact finished size required. Special mill components reduce material more efficiently, allowing a larger screen to produce the same particle size as competitor models using a much smaller size screen opening. This ability to use a larger screen translates to lower horsepower required per ton produced.

Available in six standard sizes (13" to 48" wide), each featuring a built in fan for conveying the finished product to storage. The compact design, featuring an integral fan unit, saves floor space and expense, eliminating the need for a separately driven fan, ducting, motors and controls.

### Applications:

- Planer shavings
- Dry wood chips
- Green wood chips
- Pre-hogged wood scrap
- Sawdust
- Bark
- Torrefied biomass

### End Products:

- Briquette production
- Pellet production
- Boiler fuel
- Biodiesel
- Animal bedding

# 13 Series Technical Specifications

| Model | Housing        | Shaft Diameter    | Rotor Width        | Rotor Diameter | Bearings           | Integral Fan System | Screen Area                     | Shaft Speed | Tip Speed |
|-------|----------------|-------------------|--------------------|----------------|--------------------|---------------------|---------------------------------|-------------|-----------|
| 1320  | 1/2"<br>(12mm) | 2 3/4"<br>(70mm)  | 12 1/2"<br>(320mm) | 24"<br>(610mm) | 2 7/16"<br>(60mm)  | 2800 CFM            | 475 sq inches<br>(3064 sq cm)   | 3600 rpm    | 22,600    |
| 1340  | 1/2"<br>(12mm) | 3 1/4"<br>(80mm)  | 17 1/2"<br>(440mm) | 24"<br>(610mm) | 2 15/16"<br>(75mm) | 3200 CFM            | 665 sq inches<br>(4290 sq cm)   | 3600 rpm    | 22,600    |
| 1360  | 1/2"<br>(12mm) | 3 1/4"<br>(80mm)  | 20"<br>(510mm)     | 24"<br>(610mm) | 2 15/16"<br>(75mm) | 4000 CFM            | 760 sq inches<br>(4903 sq cm)   | 3600 rpm    | 22,600    |
| 1380  | 1/2"<br>(12mm) | 3 1/4"<br>(80mm)  | 24"<br>(610mm)     | 24"<br>(610mm) | 2 15/16"<br>(75mm) | 5000 CFM            | 912 sq inches<br>(5880 sq cm)   | 3600 rpm    | 22,600    |
| 1390  | 3/4"<br>(20mm) | 5"<br>(130mm)     | 36"<br>(910mm)     | 24"<br>(610mm) | 3 7/16"<br>(90mm)  | C/F                 | 1368 sq inches<br>(8825 sq cm)  | 3600 rpm    | 22,600    |
| 13100 | 1"<br>(25mm)   | 6 3/8"<br>(160mm) | 48"<br>(1220mm)    | 24"<br>(610mm) | 3 7/16"<br>(90mm)  | C/F                 | 1824 sq inches<br>(11770 sq cm) | 3600 rpm    | 22,600    |



## Key Features:

- 24" rotor diameters operated at 3,600 RPM to produce high hammer tip speed.
- Available screen discharge areas from 475 to 1,824 square inches.
- Available with a variety of perforated screen sizes from .020" to 3".
- Variety of fan sizes to maximize mill's throughput.
- Heavy plate construction with internal ribbed liner plates.
- Four-way reversible hammers available in several styles.

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## 15 Series Industrial Wood Grinder

The 15 Series Industrial Wood Grinder is ideal for high production operations, and is able to process a wide variety of green or dry wood to the exact desired finished particle size from 1" to fine sawdust.

The 44" rotor diameter of the 15 Series provides the tip speed required for maximum throughput using an 1,800 RPM motor. Special mill components reduce material more efficiently, allowing a larger screen to produce the same particle size as competitor models using a much smaller size screen opening. This ability to use a larger screen translates to lower horsepower required per ton produced.

With five standard sizes (24" to 72" wide) to choose from, the 15 Series is available in either gravity or pneumatic discharge.

### Applications:

- Planer shavings
- Dry woods chips
- Green wood chips
- Pre-hogged wood scrap
- Sawdust
- Biomass
- Bark
- Torrefied biomass

### End Products:

- Briquette production
- Pellet production
- Boiler fuel
- Biodiesel production
- Animal bedding
- Landscape mulch
- Playground cover

# 15 Series Technical Specifications

| Model | Housing        | Shaft Diameter    | Rotor Width     | Bearings           | Screen Area                     | Weight                 | RPM  | Tip Speed |
|-------|----------------|-------------------|-----------------|--------------------|---------------------------------|------------------------|------|-----------|
| 1580  | 3/4"<br>(20mm) | 3 1/4"<br>(80mm)  | 24"<br>(610mm)  | 2 15/16"<br>(75mm) | 1680 sq inches<br>(10840 sq cm) | 6700 lbs<br>(3040 kg)  | 1800 | 20,700    |
| 1590  | 1"<br>(25mm)   | 5"<br>(130mm)     | 36"<br>(910mm)  | 3 7/16"<br>(90mm)  | 2520 sq inches<br>(16260 sq cm) | 7900 lbs<br>(3580 kg)  | 1800 | 20,700    |
| 15100 | 1"<br>(25mm)   | 6 3/8"<br>(160mm) | 48"<br>(1220mm) | 3 7/16"<br>(90mm)  | 3360 sq inches<br>(21680 sq cm) | 9000 lbs<br>(4080 kg)  | 1800 | 20,700    |
| 15200 | 1"<br>(25mm)   | 6 3/8"<br>(160mm) | 60"<br>(1530mm) | 3 7/16"<br>(90mm)  | 4200 sq inches<br>(27100 sq cm) | 13890 lbs<br>(6300 kg) | 1800 | 20,700    |
| 15300 | 1"<br>(25mm)   | 6 3/8"<br>(160mm) | 72"<br>(1830mm) | 4 7/16"<br>(110mm) | 5040 sq inches<br>(32520 sq cm) | 16000 lbs<br>(7260 kg) | 1800 | 20,700    |



**Hogged Wood Scrap**



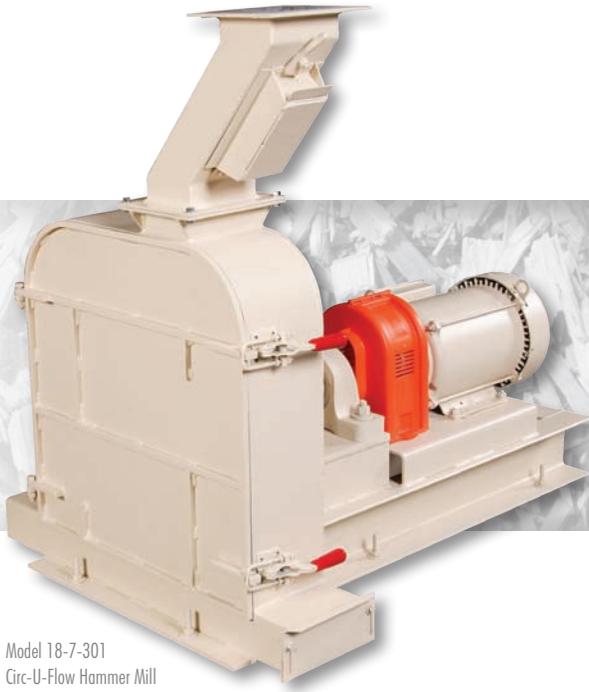
**Planer Shavings**



**Green Wood Chips**

## Key Features:

- 44" rotor diameters produce high hammer tip speed at 1,800 RPM.
- Screen discharge areas from 1,680 and 5,040 square inches.
- Perforated screens and/or heavy-duty grates.
- Heavy plate construction and internal ribbed liner plates.
- Several styles of four-way reversible hammers.
- 1,200 RPM motor available if required by application.



Model 18-7-301  
Circ-U-Flow Hammer Mill



W Series Laboratory Scale Hammer Mill

## Laboratory and Pilot Scale Wood Grinders

Choose from three models, each ideal for laboratory testing, batch sampling or pilot production.

The **W Series** Laboratory Scale Hammer Mill is a gravity discharge hammer mill that produces results scalable to their high production counterparts. Available in two sizes, the W Series is ideal for processing small hogged wood scrap, wood chips and planer shavings.

Both models feature a 9" (230mm) diameter rotor with swinging or fixed mounted hammers, and a mill top that hinges open for easy screen change, cleaning, and mill maintenance.

The **Model 18-7-301** Pilot Scale Circ-U-Flow Hammer Mill is a high speed hammer mill designed for processing light wood waste. The nearly full circle screen covering the discharge opening provides for the highest possible production rate on materials that do not require initial grinding against a breaker plate. The Model 18-7-301 is suitable for either gravity or pneumatic evacuation.

### Applications:

- Small hogged wood scrap
- Wood chips
- Planer shavings
- Sawdust
- Light bark

### End Products:

- Boiler fuel
- Wood pellets
- Wood briquettes
- Cellulosic ethanol

# Model 18-7-301 Circ-U-Flow Hammer Mill

## Technical Specifications

| Model    | Housing    | Shaft Diameter | Rotor Width | Rotor Diameter | Bearing Size   | Power Range        | Screen Area               | Tip Speed |
|----------|------------|----------------|-------------|----------------|----------------|--------------------|---------------------------|-----------|
| 18-7-301 | 1/4" (6mm) | 1 7/8" (50mm)  | 7" (180mm)  | 18" (460mm)    | 2 3/16" (60mm) | 10-30 hp (7-20 kW) | 385 sq inches (980 sq cm) | 16900     |

# W Series Laboratory Scale Hammer Mill

## Technical Specifications

| Model  | Power Range            | Rotor Diameter | Screen Area              | Weight           | RPM       |
|--------|------------------------|----------------|--------------------------|------------------|-----------|
| W-6-H  | 1 - 2 hp (0.25 - 2 kW) | 9" (230mm)     | 60 sq inches (390 sq cm) | 225 lbs (100 kg) | 1000-5000 |
| W-8-LH | 2 - 3 hp (1.5- 2 kW)   | 9" (230mm)     | 78 sq inches (500 sq cm) | 250 lbs (110 kg) | 1000-5000 |



300 degree screen coverage of rotor results in the highest possible throughput per horsepower.



Mill top hinges open for easy maintenance, cleaning and screen change.

### Key Features -

#### Model 18-7-301 Circ-U-Flow:

- Pilot scale, 7" (180mm) width.
- 10-30 hp motor.
- High speed (3600 RPM), 18" (460mm) diameter rotor allows for tip speed.
- Dual directional rotor.
- Hinged door with built-in screen support for easy access, cleaning and maintenance.
- Optional easy clean magnet.

### Key Features -

#### W Series Laboratory Scale Hammer Mill:

- True laboratory scale hammer mill, weighing 225 lbs (100kg).
- 2 hp motor.
- Robust 3/8" plate construction.
- Screens available in over 20 sizes.
- Options include: single phase motor, variable frequency drive (VFD), and custom support stand on casters.



## 24 Series Circ-U-Flow Hammer Mill

The high-speed 24 Series Circ-U-Flow hammer mill is designed for mid-range production grinding of a variety of wood materials. The nearly full circle screen translates to a larger screen open area and thus the highest possible production rates on materials that do not require initial grinding against a breaker plate. Suitable for gravity or pneumatic evacuation.

### Applications:

- Hogged wood scrap
- Planer shavings
- Dry wood chips
- Green chips
- Sawdust

### End Products:

- Boiler fuel conditioning
- Wood pellets
- Wood briquettes
- Biodiesel
- Animal bedding
- Sawdust conditioning
- Landscape mulch
- Cellulosic ethanol

# 24 Series Technical Specifications

| Model | Housing     | Shaft Diameter | Rotor Width | Rotor Diameter | Bearing Size   | Power Range            | Screen Area                 | Tip Speed |
|-------|-------------|----------------|-------------|----------------|----------------|------------------------|-----------------------------|-----------|
| 24-10 | 1/2" (12mm) | 2 3/4" (70mm)  | 10" (250mm) | 24" (610mm)    | 2 7/16" (60mm) | 25-40 hp (20-30 kW)    | 600 sq inches (3870 sq cm)  | 22,600    |
| 24-15 | 1/2" (12mm) | 2 3/4" (70mm)  | 15" (380mm) | 24" (610mm)    | 2 7/16" (60mm) | 50-60 hp (40-50 kW)    | 900 sq inches (5810 sq cm)  | 22,600    |
| 24-20 | 1/2" (12mm) | 3 1/4" (80mm)  | 20" (510mm) | 24" (610mm)    | 2 7/16" (60mm) | 75-100 hp (60-70 kW)   | 1200 sq inches (7740 sq cm) | 22,600    |
| 24-24 | 1/2" (12mm) | 3 1/4" (80mm)  | 24" (610mm) | 24" (610mm)    | 2 7/16" (60mm) | 100-150 hp (70-110 kW) | 1440 sq inches (9290 sq cm) | 22,600    |



**Hogged Wood Scrap**



**Planer Shavings**



**Green Wood Chips**

## Key Features:

- Available in four standard mill widths (10", 15", 20" and 24") with custom sizes available.
- Screen discharge areas from 600 to 1,440 square inches.
- High speed (3,600 RPM), rotor assembly four-way reversible hammers.
- Variety of screen sizes.
- Dual directional rotors.
- Easy access to mill's interior through dual access doors.
- Optional rotary feeders, magnets and de-stoners.



## 44 Series Circ-U-Flow Hammer Mill

Low speed (1,800 RPM), high production. Nearly full circle screen coverage of 44" diameter rotor. The 44 Series Circ-U-Flow hammer mill is designed for very high production grinding of light wood waste. The nearly full circle screen translates to a larger open screen area, thus allowing the highest possible production rates on materials that do not require initial grinding against a breaker plate. Suitable for either gravity or pneumatic evacuation.

### Applications:

- Hogged wood scrap
- Sawdust
- Planer shavings
- Dry wood chips
- Green wood chips

### End Products:

- Boiler fuel
- Wood briquettes
- Wood pellets
- Biodiesel
- Animal bedding
- Landscape mulch
- Playground cover
- Cellulosic ethanol

# 44 Series Technical Specifications

| Model | Housing        | Shaft Diameter    | Rotor Width        | Rotor Diameter  | Bearing Size       | Power Range                | Screen Area                     | Tip Speed |
|-------|----------------|-------------------|--------------------|-----------------|--------------------|----------------------------|---------------------------------|-----------|
| 44-13 | 3/4"<br>(20mm) | 3 1/4"<br>(80mm)  | 12 1/2"<br>(320mm) | 44"<br>(1120mm) | 2 15/16"<br>(70mm) | 75-100 hp<br>(60-70 kW)    | 1375 sq inches<br>(8870 sq cm)  | 20,700    |
| 44-17 | 3/4"<br>(20mm) | 3 1/4"<br>(80mm)  | 17 1/2"<br>(440mm) | 44"<br>(1120mm) | 2 15/16"<br>(70mm) | 100-125 hp<br>(70-90 kW)   | 1925 sq inches<br>(12420 sq cm) | 20,700    |
| 44-24 | 3/4"<br>(20mm) | 3 1/4"<br>(80mm)  | 24"<br>(610mm)     | 44"<br>(1120mm) | 2 15/16"<br>(70mm) | 125-150 hp<br>(90-110 kW)  | 2640 sq inches<br>(17030 sq cm) | 20,700    |
| 44-30 | 3/4"<br>(20mm) | 5"<br>(130mm)     | 30"<br>(760mm)     | 44"<br>(1120mm) | 3 7/16"<br>(90mm)  | 200-300 hp<br>(150-220 kW) | 3300 sq inches<br>(21290 sq cm) | 20,700    |
| 44-48 | 3/4"<br>(20mm) | 6 3/8"<br>(160mm) | 48"<br>(1220mm)    | 44"<br>(1120mm) | 3 7/16"<br>(90mm)  | 350-400 hp<br>(260-300 kW) | 5280 sq inches<br>(34070 sq cm) | 20,700    |
| 44-60 | 1"<br>(25mm)   | 6 3/8"<br>(160mm) | 60"<br>(1530mm)    | 44"<br>(1120mm) | 4 7/16"<br>(110mm) | 400-500 hp<br>(300-370 kW) | 6600 sq inches<br>(42580 sq cm) | 20,700    |



**Hogged Wood Scrap**



**Planer Shavings**



**Green Wood Chips**

## Key Features:

- Six mill widths (13", 17", 24", 30", 48" and 60"); Also available in custom sizes.
- Screen discharge areas from 1,375 to 6,600 square inches.
- Low speed (1,800 RPM) rotor assembly with a four-way reversible hammer.
- Dual directional rotors.
- Optional rotary feeders, de-stoners and magnets.
- Variety of screen sizes.
- Easy access to mill's interior through dual access doors.



FG Series Hammer Mill



FGZ Series Hammer Mill

## Dual Stage **Ultra Fine Grinding** Wood Hammer Mill

The compact and efficient Dual Stage Ultra Fine Grinding Wood Hammer Mills are available in two configurations, both designed to produce the finest finish grind from a variety of in-feed materials.

The **FG Series** features two 13 Series Finish Grinding Wood Hammer Mills stacked one above the other. Ideal for processing hogged wood scrap, planer shavings, sawdust and dry wood chips, the FG Series can produce a finished product of fine sawdust to ultra fine wood flour in material that has a moisture content of less than 15%.

The **FGZ Series** is designed to handle bulkier in-feed material while still producing a fine sawdust end product. The mill features an HZF Series Horizontal Trim Scrap Grinder stacked above a 13 Series Finish Grinding Wood Hammer Mill. This design allows for coarse wood scrap, rippings, edgings or trim block to be ground to a fine finished particle size in just one pass.

Both the FG and FGZ Series feature integral fan units mounted off of the main shaft of the lower mill which allows for optimal throughput, and conveys the finished product to storage. These fans produce a throughput rate of 300-400% over that of gravity discharge hammer mills.

### Applications: FG

- Hogged wood scrap
- Planer shavings
- Dry wood chips
- Sawdust
- Light bark

### Applications: FGZ

- Coarse wood scrap
- Rippings, edgings and trim block
- Lumber and demolition debris

### Key Features:

- Space saving stacked design.
- Dual rotor assemblies designed specifically for each application.
- Internal replaceable ribbed liner plates in both mill halves.
- Many hammer styles and screen sizes to choose from.

# FG Series Hammer Mill

## Technical Specifications

| Model   |            | Housing     | Shaft Diameter | Rotor Width     | Rotor Diameter | Bearings        | Integral Fan System | Screen Area                  | Shaft Speed | Tip Speed |
|---------|------------|-------------|----------------|-----------------|----------------|-----------------|---------------------|------------------------------|-------------|-----------|
| 220-60  | Upper Unit | 1/2" (12mm) | 2 3/4" (70mm)  | 12 1/2" (320mm) | 24" (610mm)    | 2 7/16" (60mm)  | N/A                 | 475 sq inches (3064 sq cm)   | 3600 RPM    | 22600     |
|         | Lower Unit | 1/2" (12mm) | 3 1/4" (80mm)  | 20" (510mm)     | 24" (610mm)    | 2 15/16" (70mm) | 4000 CFM            | 760 sq inches (4903 sq cm)   | 3600 RPM    | 22600     |
| 240-80  | Upper Unit | 1/2" (12mm) | 3 1/4" (80mm)  | 17 1/2" (440mm) | 24" (610mm)    | 2 15/16" (70mm) | N/A                 | 665 sq inches (4290 sq cm)   | 3600 RPM    | 22600     |
|         | Lower Unit | 1/2" (12mm) | 3 1/4" (80mm)  | 24" (610mm)     | 24" (610mm)    | 2 15/16" (70mm) | 5000 CFM            | 912 sq inches (5880 sq cm)   | 3600 RPM    | 22600     |
| 260-90  | Upper Unit | 1/2" (12mm) | 3 1/4" (80mm)  | 20" (510mm)     | 24" (610mm)    | 2 15/16" (70mm) | N/A                 | 760 sq inches (4903 sq cm)   | 3600 RPM    | 22600     |
|         | Lower Unit | 3/4" (20mm) | 5" (130mm)     | 36" (910mm)     | 24" (610mm)    | 3 7/16" (90mm)  | C/F                 | 1368 sq inches (8825 sq cm)  | 3600 RPM    | 22600     |
| 290-100 | Upper Unit | 3/4" (20mm) | 5" (130mm)     | 36" (910mm)     | 24" (610mm)    | 3 7/16" (90mm)  | N/A                 | 1368 sq inches (8825 sq cm)  | 3600 RPM    | 22600     |
|         | Lower Unit | 1" (25mm)   | 6 3/8" (160mm) | 48" (1220mm)    | 24" (610mm)    | 3 7/16" (90mm)  | C/F                 | 1824 sq inches (11780 sq cm) | 3600 RPM    | 22600     |

Customized matching of other sized mills also available to best suit individual applications

# FGZ Series Hammer Mill

## Technical Specifications

| Model    |            | Housing     | Shaft Diameter | Rotor Width     | Rotor Diameter | Bearings        | Integral Fan System | Screen Area                  | Shaft Speed | Tip Speed |
|----------|------------|-------------|----------------|-----------------|----------------|-----------------|---------------------|------------------------------|-------------|-----------|
| 240Z-80  | Upper Unit | 3/4" (20mm) | 3 1/4" (80mm)  | 17 1/2" (440mm) | 24" (610mm)    | 2 15/16" (70mm) | N/A                 | 442 sq inches (2850 sq cm)   | 3600 RPM    | 22600     |
|          | Lower Unit | 1/2" (12mm) | 3 1/4" (80mm)  | 24" (610mm)     | 24" (610mm)    | 2 15/16" (70mm) | 5000 CFM            | 912 sq inches (5880 sq cm)   | 3600 RPM    | 22600     |
| 280Z-90  | Upper Unit | 3/4" (20mm) | 3 1/4" (80mm)  | 24" (610mm)     | 24" (610mm)    | 2 15/16" (70mm) | N/A                 | 624 sq inches (4140 sq cm)   | 3600 RPM    | 22600     |
|          | Lower Unit | 3/4" (20mm) | 5" (130mm)     | 36" (900mm)     | 24" (610mm)    | 3 7/16" (90mm)  | C/F                 | 1368 sq inches (8825 sq cm)  | 3600 RPM    | 22600     |
| 290Z-100 | Upper Unit | 1" (25mm)   | 5" (130mm)     | 36" (900mm)     | 24" (610mm)    | 3 7/16" (90mm)  | N/A                 | 936 sq inches (6040 sq cm)   | 3600 RPM    | 22600     |
|          | Lower Unit | 1" (25mm)   | 6 3/8" (160mm) | 48" (1220mm)    | 24" (610mm)    | 3 7/16" (90mm)  | C/F                 | 1824 sq inches (11780 sq cm) | 3600 RPM    | 22600     |

Customized matching of other sized mills also available to best suit individual applications



## HZF Series Horizontal **Trim Scrap Grinder**

The HZF Series Horizontal Trim Scrap Grinder is a high speed, high production grinder designed specifically for processing longer lengths of wood scrap such as rippings, edgings and trim block. Available in four standard sizes from 10" to 36" wide. Each model features a built-in fan driven off of the main mill shaft, saving energy and valuable floor space while also significantly increasing production.

The result is wood waste efficiently ground to the exact desired finished size and conveyed to storage.

### **Applications:**

- Trim block
- Rippings
- Edgings
- Demolition lumber
- Furniture scrap
- Moldings
- Individual pallet boards
- Veneer scrap

### **End Products:**

- Boiler fuel
- Landscape mulch
- Playground cover
- Ideal primary grinder for:
  - Pellet production
  - Briquette production
  - Biodiesel production
  - Sawdust
  - Wood flour

# HZF Series Technical Specifications

| Model | Housing        | Shaft Diameter   | Rotor Width        | Rotor Diameter | Bearings           | Integral Fan System     | Power                    | Shaft Speed | Tip Speed |
|-------|----------------|------------------|--------------------|----------------|--------------------|-------------------------|--------------------------|-------------|-----------|
| 10    | 1/2"<br>(12mm) | 2 3/4"<br>(70mm) | 10"<br>(250mm)     | 24"<br>(610mm) | 2 7/16"<br>(60mm)  | 16 (400mm)<br>2800 CFM  | 40-50 hp<br>(30-40 kW)   | 3600 rpm    | 22,600    |
| 40    | 3/4"<br>(20mm) | 3 1/4"<br>(80mm) | 17 1/2"<br>(440mm) | 24"<br>(610mm) | 2 15/16"<br>(75mm) | 18" (460mm)<br>4000 CFM | 75-100 hp<br>(60-70 kW)  | 3600 rpm    | 22,600    |
| 80    | 3/4"<br>(20mm) | 3 1/4"<br>(80mm) | 24"<br>(610mm)     | 24"<br>(610mm) | 2 15/16"<br>(75mm) | 20" (510mm)<br>5000 CFM | 150 hp<br>(110 kW)       | 3600 rpm    | 22,600    |
| 90    | 1"<br>(25mm)   | 5"<br>(130mm)    | 36"<br>(910mm)     | 24"<br>(610mm) | 3 7/16"<br>(90mm)  | 20" (510mm)<br>5000 CFM | up to 250 hp<br>(190 kW) | 3600 rpm    | 22,600    |



## Key Features:

- Heavy-duty plate construction with replaceable liner plates.
- Heavy-duty grates available in a variety of sizes.
- Heavy-duty rotor assembly.
- 24" diameter x 3" thick flywheel.
- Built-in fan conveys material up to 50' vertically and 100' horizontally.
- Reversible anvil.
- Two-way reversible "raked" hammers pull wood in without feed rolls.
- Optional vibrating in-feed conveyor.

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## Industrial Bark Grinder

The Industrial Bark Grinder is a heavily constructed, high production wood grinding hammer mill designed specifically for processing all types of bark scrap, including stringy, wet and fibrous varieties. Available in six standard sizes from 20" to 60" widths, Industrial Bark Grinders can process up to 50 TPH.

### Applications:

- Bark from all types of de-barkers
- Green wood waste
- Large wood chips
- Plywood and MDF scrap
- Pole peelings
- Sawmill scrap

### End Products:

- Boiler fuel
- Landscape mulch
- Playground cover
- Ideal primary grinder for:
  - Pellet production
  - Briquette production
  - Biodiesel production
  - Sawdust
  - Wood flour

# Bark Grinder Technical Specifications

| Model  | Housing        | Shaft Diameter    | Rotor Width     | Rotor Diameter  | Bearing Size       | Screen Area                     | Weight                 | RPM      | Tip Speed |
|--------|----------------|-------------------|-----------------|-----------------|--------------------|---------------------------------|------------------------|----------|-----------|
| 60-B2  | 3/4"<br>(20mm) | 3 1/4"<br>(80mm)  | 20"<br>(510mm)  | 24"<br>(610mm)  | 2 15/16"<br>(75mm) | 760 sq inches<br>(4900 sq cm)   | 2525 lbs<br>(1150 kg)  | 3600 rpm | 22,600    |
| 80-B2  | 3/4"<br>(20mm) | 3 1/4"<br>(80mm)  | 24"<br>(610mm)  | 24"<br>(610mm)  | 2 15/16"<br>(75mm) | 912 sq inches<br>(5880 sq cm)   | 2625 lbs<br>(1190 kg)  | 3600 rpm | 22,600    |
| 90-B2  | 3/4"<br>(20mm) | 5"<br>(130mm)     | 36"<br>(910mm)  | 24"<br>(610mm)  | 3 7/16"<br>(90mm)  | 1368 sq inches<br>(8830 sq cm)  | 3400 lbs<br>(1540 kg)  | 3600 rpm | 22,600    |
| 100-B2 | 1"<br>(25mm)   | 6 3/8"<br>(160mm) | 48"<br>(1220mm) | 24"<br>(610mm)  | 3 7/16"<br>(90mm)  | 1824 sq inches<br>(11770 sq cm) | 4500 lbs<br>(2040 kg)  | 3600 rpm | 22,600    |
| 100-C2 | 1"<br>(25mm)   | 6 3/8"<br>(160mm) | 48"<br>(1220mm) | 44"<br>(1120mm) | 4 7/16"<br>(110mm) | 3300 sq inches<br>(21290 sq cm) | 9000 lbs<br>(4080 kg)  | 1800 rpm | 20,723    |
| 120-C2 | 1"<br>(25mm)   | 6 3/8"<br>(160mm) | 60"<br>(1530mm) | 44"<br>(1120mm) | 4 7/16"<br>(110mm) | 4200 sq inches<br>(27100 sq cm) | 13000 lbs<br>(5900 kg) | 1800 rpm | 20,723    |



Bark to Fine Grind

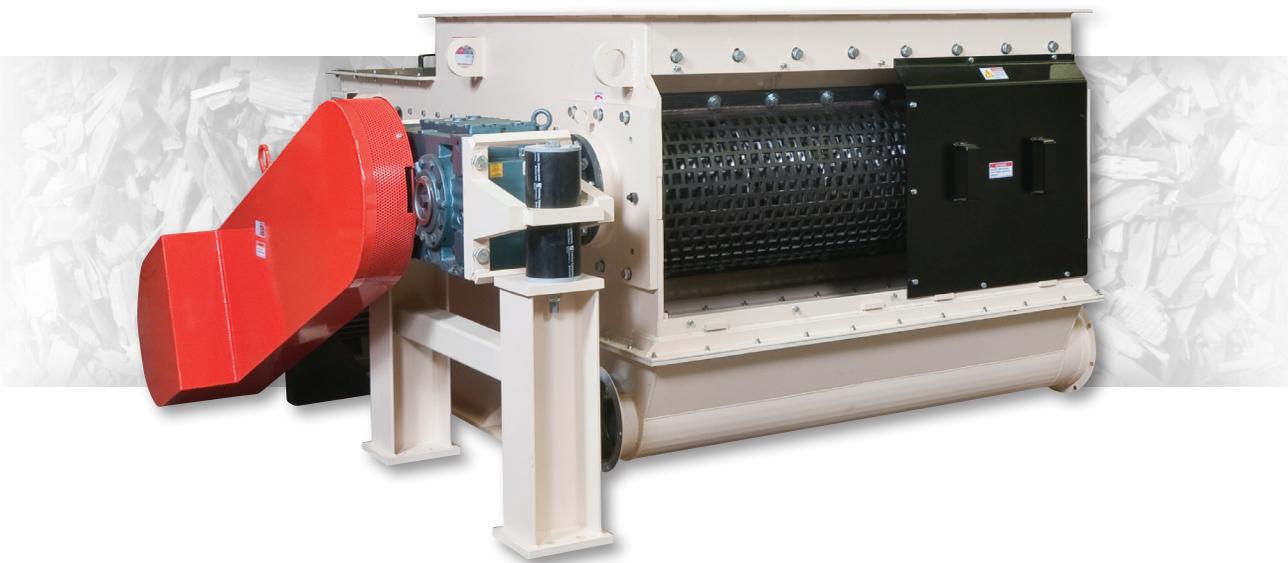


**Industrial Bark Grinder**

Bark to Mulch

## Key Features:

- Extra heavy-duty rotor assembly.
- Internal replaceable ribbed liner plates to disintegrate bark fibers.
- Abrasion-resistant components to withstand the inevitable grit associated with bark.
- Four-way reversible hammers designed specifically for bark available in 7/8", 3/8" and other custom sizes and styles.
- Heavy-duty grates or perforated screens available in a variety of sizes.
- Optional fan with internal replaceable fan liner available on smaller models.



## MP Series Slow Speed Ram Fed Grinder

The MP Series Slow Speed Ram Fed Grinder is designed for less power usage, minimal dust and reduced manpower requirements. Simply dump your scrap into the hopper and let the grinder do the work. The low noise, low RPM MP Series is the toughest, most durable machine you can buy for your wood processing needs. Each component was engineered with your needs in mind – from the extra heavy frame, bearings and shaft, to the electrical controls and more.

### Applications:

- Pallets
- Demolition debris
- Custom crates and skids
- Furniture and wood scrap
- Miscellaneous wood scrap

### End Products:

- Boiler fuel
- Landscape mulch
- Volume reduction
- Playground cover
- Ideal primary grinder for:
  - Pellet production
  - Briquette production
  - Biodiesel production
  - Sawdust
  - Wood flour

# MP Series Technical Specifications

| Model  | Power                    | Rotor Diameter | Weight                 | Grinding Deck                  |
|--------|--------------------------|----------------|------------------------|--------------------------------|
| MP-30  | 30-50 hp<br>(20-40 kW)   | 15"<br>(380mm) | 7250 lbs<br>(3289 kg)  | 36" x 36"<br>(910mm x 910mm)   |
| MP-40  | 40-60 hp<br>(30-50 kW)   | 15"<br>(380mm) | 10500 lbs<br>(4767 kg) | 52" x 52"<br>(1320mm x 1320mm) |
| MP-75  | 60-75 hp<br>(50-60 kW)   | 15"<br>(380mm) | 13250 lbs<br>(6010 kg) | 58" x 52"<br>(1472mm x 1320mm) |
| MP-100 | 75-100 hp<br>(60-70 kW)  | 20"<br>(510mm) | 15000 lbs<br>(6804 kg) | 66" x 66"<br>(1680mm x 1680mm) |
| MP-125 | 100-125 hp<br>(70-90 kW) | 20"<br>(510mm) | 17500 lbs<br>(7938 kg) | 72" x 66"<br>(1830mm x 1680mm) |



## Model MP-13

### Pallet Grinding System:

Increase throughput up to 300% with the addition of finish grinding hammer mill.

## Key Features:

- Choice of 12", 15" and 20" rotor diameter, each standard with four-way reversible tool-steel cutting teeth.
- Heavy-duty grates or perforated screens available in many sizes.
- Serrated anvil made from abrasion-resistant steel.
- Heavy-duty, American made, off-the-shelf, non-customized components (bearings, gearboxes, fluid coupling, controls).
- Programmable electronic system logic with digital read-out.
- Adjustable hydraulic pressures, cycle timing and manual retraction.
- All feed hoppers are custom built to suit application.
- Several optional types of discharge conveying equipment available - either pneumatic or mechanical.
- Optional magnets for ferrous metal extraction.
- Easily connects to finish grinding hammer mill.

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## Automatic **Wood Scrap** Batch Feeder

Designed to reduce energy and labor costs, the Automatic Wood Scrap Batch Feeder allows for unattended “drop and go” operation. The large 6’ to 10’ wide hopper accepts large loads of material from dump hoppers or loaders and automatically unscrambles and transfers material to the in feed conveyor of a wood grinder.

Staggered arrangement of drag chain flights with replaceable wear strips provide even metering and eliminates jams and overflowing. Variable speed drive is standard, allowing proper feed settings for the type of material being processed.

### **Applications:**

- Construction scrap
- Furniture plant scrap
- Lumber yard scrap
- Truss plant scrap

### **Key Features:**

- 5” channel superstructure.
- 3/16” steel hopper bed plate.
- 1 1/2 horsepower variable speed drive.
- Removable rear access panels for easy servicing.
- Rubber flaps to prevent material fallback on conveyor.

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