Reduce your maintenance costs with the STEELE easy-access double-rotor Hammermill.
Accessibility and thoughtful design make the STEELE Hammermill one of the most productive clay processing machines in the world.

Before designing the J.C. Steele double rotor hammermill, we went to the experts, the operators and maintenance men, and asked them what they needed. Their suggestions resulted in a mill that has easy accessibility, long component life, smoothness of operation, and good dust control.

SMOOTH, QUIET OPERATION

The rotors are assembled from massive balanced components. Replaceable wearing parts are accurately weighed and marked to ensure rotor balance to within two ounces (56 gms). By closely cradling the rotors in large section ductile iron frames and surrounding them with heavy 3/4 inch (19 MM) thick liners and massive ductile iron covers, sound, vibration, and resonance are minimized.

LONG COMPONENT LIFE EQUALS RELIABILITY

Dirt and vibration are the enemies of bearings. The J.C. Steele hammermill utilizes multiple seal layering coupled with dynamic purging to eliminate dirt from the infinite-life bearings.

The massive components make vibration negligible. "Real world" studies reveal seal lives that exceed 20,000 hours of operation and bearings that show no appreciable signs of wear after 40,000 hours. Wearing components are made from our high chrome alloy (28PC), austempered ductile iron or alloy steel, and are designed to maximize the life of all components.

CONTROLS AIRBORNE DUST

Fine particles and dust are products of all hammermills, typically resulting in a vertical plume of dust at the infeed and high velocity particles at the discharge. The design of the Steele hammermill has virtually eliminated the fan effect that blows the dust out the top of competitive mills.

ADVANCED DESIGN INCLUDES FEED AND DISCHARGE

While no hammermill can completely control the high velocity particles exiting the mill, our specially designed discharge conveyer and chute systems can. They improve the mill’s accessibility and enhance its performance. To top it off, add a J.C. Steele feed chute. Adjustable deflectors with clod removal ensure that the process material is properly introduced to the mill.

Since every process material is different, the J.C. Steele hammermill can be modified to meet your needs. Such modifications include special breaker bar arrangements, higher tip speeds, special wear resistant materials, motor and motor position modifications, and accessories.
**GENERAL SPECIFICATIONS**

**CAPACITY**

**Rotor Outside Diameter** .......... 36" (914mm)
(over hammer tips)

**Width Across Rotor Face** .......... 24" (610mm)
(over four hammer tips)

**Rotor Speed**
nominal: 810 RPM 7,634 feet/min (2,327 m/min)
optional: 1,000 RPM 9,425 feet/min (2,873 m/min)

**Recommended Motors**
Two motors, design "C", T.E.F.C.
MIN: 75HP (56 kW), MAX: 125 HP (93 kW)
1,500 or 1,800 RPM

**Maximum Allowable Material Throughput**
300 Tons/Hr (271 Metric Tons/Hr)
Throughput will vary with the composition and moisture
content of the material being processed, the capacity of the
incoming feed system, and the choice of available
hammermill components selected.

**Maximum Screenable Output**
minus-8 mesh: 100 Tons/Hr (91 Metric Tons/Hr)
minus-14 mesh: 30 Tons/Hr (27 Metric Tons/Hr)

In addition to the screen size or mesh, screenable output will
vary with the same factors listed above. Maximum values are
based on a clay/shale mixture containing as much as 10%
moisture by weight (wet basis) and a hammermill fitted with
two 100 HP (75kW) motors.

**DIMENSIONS**

**TOP VIEW**

**SIDE VIEW**

**END VIEW**

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