

FULL CIRCLE SCREEN HAMMER MILLS

Schutte Hammermill, Quality Since 1928



SCHUTTE
HAMMERMILL

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Size reduction equipment comes in a wide variety of shapes and sizes: vertical or horizontal hammer mills, jaw crushers, roller mills and ram-fed grinders, just to name a few. For the most part, the size and shape of the mill/grinder/crusher plays a key role in the functionality of the machine, and for the applications it is best suited for. Nowhere is this truer than with the Full Circle Screen Hammer Mill.

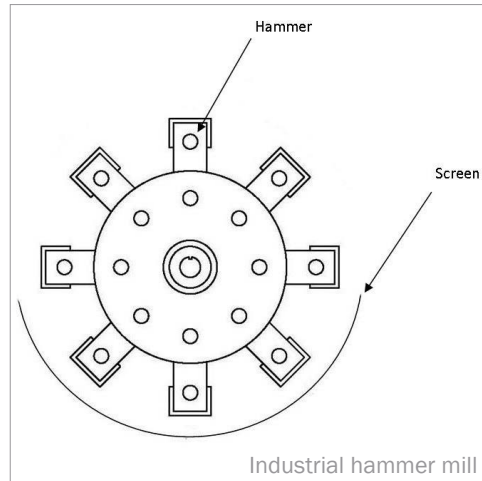
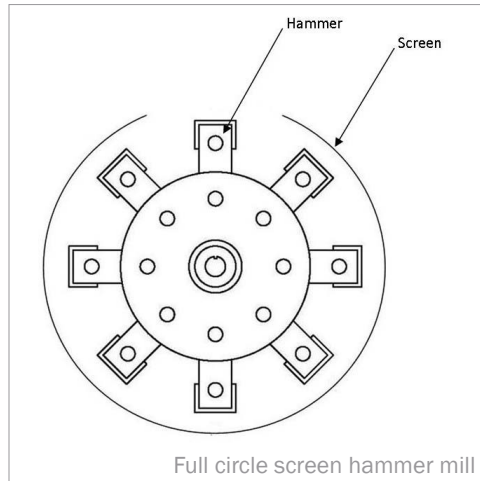
How does a hammer mill work?

- When material enters the grinding chamber, it is repeatedly struck by hammers that flail out as the shaft spins.
- A combination of these hammer blows, particle on particle impact, and impact with the walls of the grinding chamber all work together to break the material down.
- The material remains in the grinding chamber until it is reduced to a size that will pass through the screen.



A peek inside...

The full circle screen hammer mill gets its name from the 300 degree screen coverage of the rotor, while all other styles of hammer mills typically have closer to 180 degree coverage of the rotor. The larger the screen area, the greater the opportunity for the material to evacuate the mill.



As a result...

Full circle screen hammer mills have the highest throughput to horsepower ratio of all hammer mill styles

Ideal applications

To achieve the circular, nearly full coverage of the rotor requires that the screen be somewhat pliable, and therefore relatively thin. In addition, the full circle screen mills use thin, sometimes notched hammers that reduce material with a tearing/grinding action, as opposed to the pulverizing effect of the large, heavy hammers often used in the industrial hammer mills. As a result, the full circle mills are best suited for light, easy to grind materials that do not require initial grinding against a breaker plate.

corn
barley oats
planer shavings
hogged wood scrap grasses
rye herbs and spices
wood chips soybeans sawdust
grains wheat straw

Ready to learn more?

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