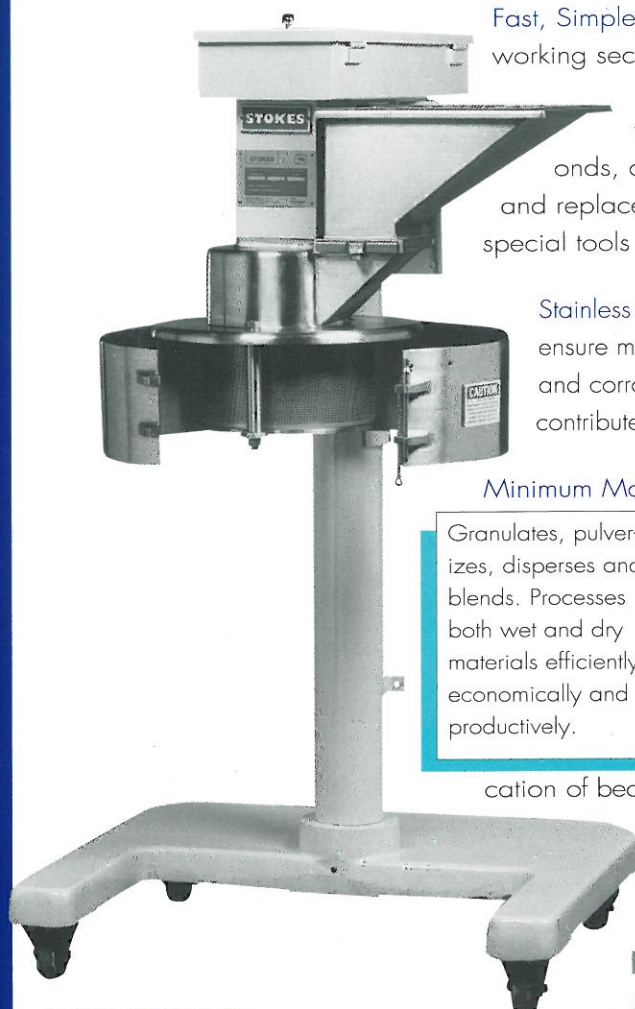


Stokes Size Reduction Equipment Model 44-0 Tornado Mill

STOKES-MERRILL



Fast, Simple Cleaning: Entire working section and blade assembly can be taken apart in seconds, cleaned thoroughly and replaced in minutes. No special tools needed.

Stainless Steel Contact Parts ensure maximum cleanliness and corrosion resistance; which contributes to long service life.

Minimum Maintenance: The spindle design provides improved upper and lower spindle bearing liquid/solid seals with provisions for external lubrication of bearing. Extends life of bearing, minimizing maintenance.

Granulates, pulverizes, disperses and blends. Processes both wet and dry materials efficiently, economically and productively.

■ DESIGN FEATURES

Proven Performance in processing chemicals, pharmaceuticals, plastics, ceramics, powder metals, pigments, food products and many other materials. High-efficiency design boosts production.

Product Uniformity through 360° screen, plus easy changeover to exact number of blades required. Product particles are expelled when desired size is reached; fines are held to a minimum.

High Production Capacity: Materials can be processed at a rate that often exceeds that of other size reduction equipment with comparable horsepower.

■ OUT-STANDING FEATURES

The Tornado Mill provides a choice of variable speeds, number of blades along with a wide choice of perforated plates or wire screens for maximum operating conditions.

Some of the many successful applications possible with the Tornado Mill will further demonstrate its versatility.

Granulating: Friable materials can be processed with consistent uniformity. The full 360° Tornado Mill screen practically eliminates over working and development of fines.

Heat-sensitive materials, containing oil or fat, are readily processed, due to the 360° screen.

Briquetted materials are ordinarily difficult to process without developing considerable fines. The Tornado Mill reduces such materials efficiently with a minimum of fines.

Pulverizing: The Tornado Mill can be operated economically, has high capacity, and is easy to clean. It controls particle size more positively than many other types of pulverizing mills.

Dispersing: Smooth, even dispersions are obtained by running tumbled materials through the Tornado Mill at high speed (5,500 rpm). Agglomerated particles are broken up and dispersed and the resulting mixture is usually free from specks and streaks.

Typical examples: pigments; food colors, insoluble dyes containing starch; sugar; cement and other materials; liquid dispersions such as emulsions and suspensions; and emulsions stabilized with gum.

Scrap Recovery: Tornado mills used for scrap recovery give users the added economy of recycling. Examples include rejected pharmaceutical tablets, plastic scraps and preforms, confectionary and bakery products, and presintered powdered metal parts. Many other materials can also be reprocessed in Tornado mills.

STOKES-MERRILL CORPORATION

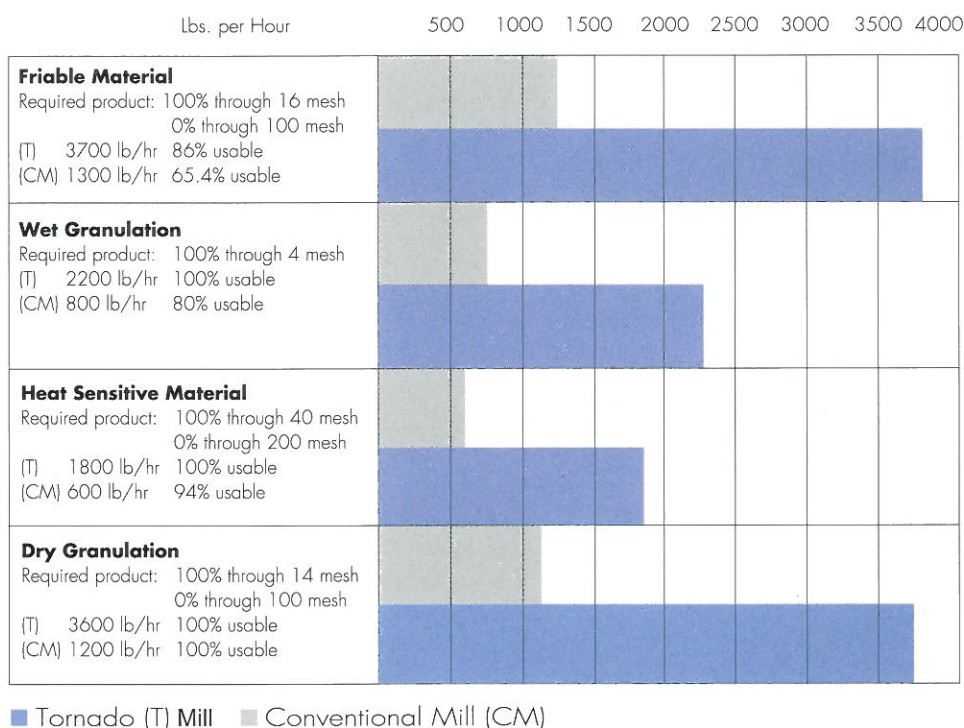
1500 Grundy's Lane
Bristol, PA 19007

215-788-3500 • 1-800-635-0036 • Fax 215-781-1122
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Stokes Size Reduction Equipment Model 44-0 Tornado Mill

DIRECT COMPARISON DEMONSTRATES PRODUCTIVITY

(Usable material delivered per hour by
Model 44-0 TORNADO Mill)*



SPECIFICATIONS

Horsepower	5
Rotor diameter (in.)	10
Rotor speed (rpm)	2160
Multi step Pulley Drive	3450
	5500
Screen area (sq. in.)	160
Number of knives (blades)	14
Power requirements (volts)	230/460
Net weight (lb.)	440
Shipping weight (lb. approx.)	625
Overall height (in.)	57
Floor space (sq.ft.)	9

Specifications subject to change without notice.

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