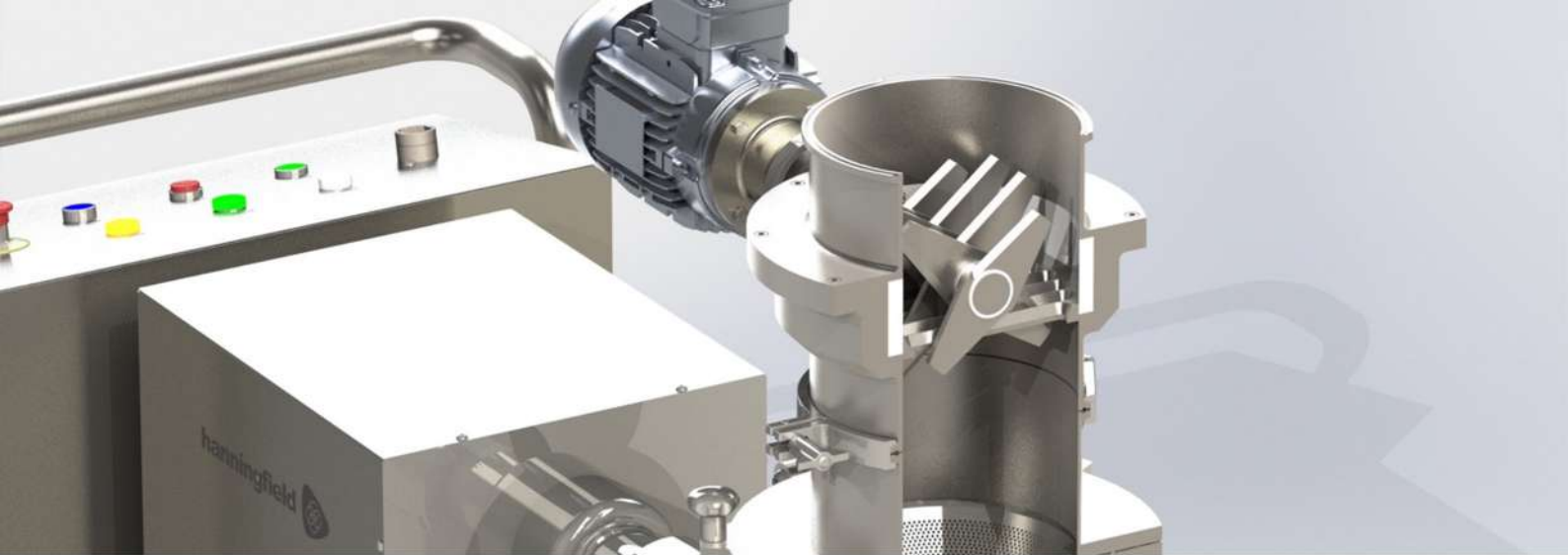




Pre-Breakers

Fast and effective breaking of materials for initial sizing; designed for sanitary applications in the pharmaceutical, food and related industries.



Pre-Breakers

Technical Overview

The Hanningfield Pre-Breaker offers fast and effective breaking of materials for initial sizing, prior to size reduction milling. The Pre-Breaker can also be used as a 'stand-alone' machine if fine particle size is not an essential requirement.

The compact and high-speed design is easy to maintain and can be fully dismantled for cleaning without the use of tools, making general maintenance a simple task that does not require specialist knowledge. The Hanningfield Pre-Breaker is available in the following sizes to suit any application or throughput specification; ND150, ND200, ND250 and ND300.

The round inlet and outlet provide a maximum possible opening to full bore for fast processing and the Tri-Clover connections make in-line installation very simple. Standard rotational speeds up to 1800 RPM (application dependent) provide fast attrition of most materials including agglomerated powders, granules and dried plant based products.

As standard, all contact parts are manufactured from 316L stainless steel (180 grit), with FDA compliant seals, gaskets etc. Non-contact parts such as frames, motor covers and control panels are manufactured from 304 stainless steel (150 grit). All standard materials of construction and surface finishes can be upgraded or downgraded upon request.

All equipment can be supplied with full validation documentation (FS/DS, FAT, SAT, IQ/OQ) and 3.1 mill certificates to EN10204.

Features:

- Stainless steel construction (with 316L contact parts)
- All seals FDA compliant (silicone, PTFE etc.)
- No metal-to-metal contact
- Easy clean GMP design
- ATEX (ex-proof) versions available

Benefits:

- Compact design for in-line installation
- Connection to upstream or downstream equipment by Tri-Clovers
- Fast macro size-reduction, perfect for pre-milling

Product Images



Data Table

Criteria	Unit	6"	8"	10"	12"
Size	mm	150	200	250	300
Maximum Feed Lump (Approx.)	mm	75	100	125	150
	in	3	4	5	6
Outlet Particle Size	mm	≤20			
	in	≤0.8			
Contact Parts	AISI 316L stainless steel (1.4404)				
Non-Contact Parts	AISI 304 stainless steel (1.4301)				
Country of Design	United Kingdom				
Country of Manufacture	United Kingdom				

*Actual capacity is dependent on material characteristics, notably density.

Typical Applications



Pre-Breaking before Milling



Stand Alone



In-Line Crushing



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