



REKORD HIGH PERFORMANCE MILLS

DESIGN SIZE 212 / 315 / 450 / 630 mm



PRODUCT EXAMPLES

Food:

- sugar
- salts
- starch products
- proteins
- spices
- citric acid
- cocoa nibs and extrudates
- oil press cakes
- nuts and nut gravel

Non-Food:

- plastics
- building materials
- fertilizers
- carbon products
- wax products
- resins
- sewage sludge
- plant fibers
- filter cakes





REKORD HIGH PERFORMANCE MILLS

The impact mills series REKORD 212-630 are robust universal mills for a wide range of industrial grinding applications. The grinding chambers and moving parts of this mills series are by design easily accessible for revision and cleaning. The 10 bar pressure-shock resistant mill housings allow processing of explosive materials with inner ATEX ex-zone 20. High surface qualities of all parts in contact with product support a stable milling and discharge process and allow efficient cleaning of the machine. Standard mill configurations are pin rotor/stator, turbo and beater rotor with a range of sieve inserts and passive grinding elements, and rippled disc rotor/stator with a freely adjustable gap.

TECHNICAL DATA

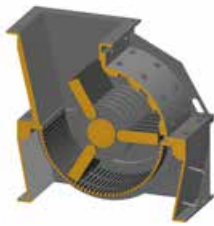
Design size	REKORD 212	REKORD 315	REKORD 450	REKORD 630	REKORD 630-2SSt
Rotor diameter (mm)	212	315	450	630	2x 630
Max. drive power (kW)	7,5	37	90	110	110
Max. impact milling speed (m/s)	135	200	200	200	150
Max. capacity (kg/h)	400	800	2.000	3.000	6.500
Housing 10 bar pressure-shock-resistant	✓	✓	✓	✓	✓
Surface polished Ra ≤ 0,8 µm	✓	✓	✓	✓	✓

MILL CONFIGURATION

Mill type	Grinding elements	Application
Pin mill No sieve insert, pins made of mild steel, stainless steel or hard metal. Operation can be Rotor/Stator and counter-rotating: Rotor/Rotor		High degree of required fineness with already low feed grain size. Recommended for brittle, crystalline materials in pharma, chemical, foodstuff production
Turbo mill with various options for sieve inserts and an optional grinding track		High degree of required fineness with medium feed grain size. Recommended for fibrous, crystalline, heat-sensitive materials with low fat content.
Beater mill with sieve grate, grinding ring and optional grinding track		Medium required fineness with coarse feed grain size. Recommended for hard and fibrous materials, e.g. cocoa, coffee and a range of building materials.
Ripple disc mill with rotor und stator		Medium required fineness with coarse feed grain size. Recommended for fibrous materials with volatile oil contents, e.g. spices, crops, cellulose, herbal feed.



CUSTOM-FIT MODULES FOR INTEGRATION (Selection)



pre-crushing



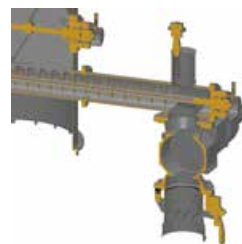
dosing



pneumatic conveying



filter separator



discharge



buffer container with agitator

OPTIONS

Request a mill layout for your specific grinding application. Expect from us a customized solution based on our versatile modular systems. We will support you by integrating the mill into your production environment. Ask us for custom-fit modules for product feeding and discharge from the mill, stirred buffering, weighing, metal separators and sieves, bag handling as well as pneumatic transport solutions to and from the mill including cyclone filter and separation systems.

FULL SERVICE

Optimize the operational performance of your plant with our dedicated maintenance services. We warrant short term availability of original spare parts throughout the life time of your plant.





EXAMPLE DESIGNS



REKORD 450 pin mill for chemical production



REKORD 212 pin mill



REKORD 212 Universal Mill



Complex 450 grinding system with integrated REKORD pin mill



REKORD 630-2SSt grinding system for lactose