



UNIVERSAL MILLS

REKORD A-D



MATERIAL EXAMPLES

- gypsum
- tungsten carbide
- sugar
- oil presscake
- dried vegetables
- cocoa
- iron hydroxide
- glass granules
- fibre cement
- fat-sugar-mixtures
- food phosphates
- pigments
- cell culture feed
- cellulose
- hemp protein
- coffee
- salts
- coal
- carbon black
- lupine protein
- graphite
- plastics
- pepper
- lime stone



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UNIVERSAL MILLS





REKORD A-D

JEHMLICH universal mills series REKORD A-D have been designed for a broad range of milling tasks from laboratory to industrial scale. The robust, pressure shock resistant housings and customized grinding elements are perfect for grinding brittle, crystalline and fibrous materials with a maximum hardness of 5 Mohs. Processing capacity ranges from a few hundred kilograms to 5 t/h. The mills are configured by us exactly to the material and capacity needs with grinding elements, drives, sealings, sensors and all required peripheral components.

KEY FEATURES OF JEHLICH REKORD UNIVERSAL MILLS :

- long-running, low maintenance systems
- pressure-shock resistant with relief valve (ATEX)
- modular systems for high flexibility
- variable drive speed for ideal results
- Conformity with 2006/42/EC
- Conformity with EC No. 1935/2004

CONFIGURATION

Mill type	Grinding elements	Application
Pin mill No sieve insert, pins made of 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 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 number of building materials.
Ripple disc mill with rotor und stator		Medium required fineness with coarse feed grain size. Recommended for fibrous materials, e.g. crops, cellulose, herbal feed.

REKORD universal mills may also be configured as wide chamber mills. Relative rotation speed may reach over 300 m/s in a rotor/rotor counter-rotation configuration. The mill interior is easily accessible for quick and efficient cleaning. Automatic pedestal body lubrication, temperature, cycle and vibration monitoring are optional features. The optimal layout will be proposed by JEHLICH engineering based on [milling trials](#).



TECHNICAL DATA

Design size/ model	REKORD A	REKORD B	REKORD BT	REKORD C	REKORD D	REKORD D-2001
Max. drive power (kW)	7,5	18,5	18,5	160	160	160
Rotor size (mm)	212	300	315	450	560	630
Max. circumferential speed (m/s)	135	223	115	176	140	180
Max. capacity (kg/h)	300	600	1.200	2.500	5.000	> 5.000

COMPONENTS (selection)



pre-crushing



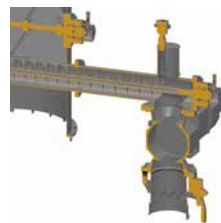
dosing



pneumatic conveying



filter separator



discharge



buffer container with agitator

OPTIONS

Request your specific mill layout. We prepare your customized solution based on our modular system and integrate the mill into your production environment. Ask us for peripheral components like mill charge and discharge, dosing and weighing solutions, metal separators and sieves, bag and big bag discharge and charging stations as well as comprehensive pneumatic transport solutions to and from the mill including filter 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.

Milling trials
& Analysis

Project planning
& Engineering

Manufacturing
& Installation

Training
& Commissioning

Maintenance
& Service





REKORD C grinding plant for food grade phosphates



REKORD A
Compact grinder for
smaller batches



REKORD C Combination
for cereals production



REKORD BT-ex
ATEX compliant
universal grinding plant