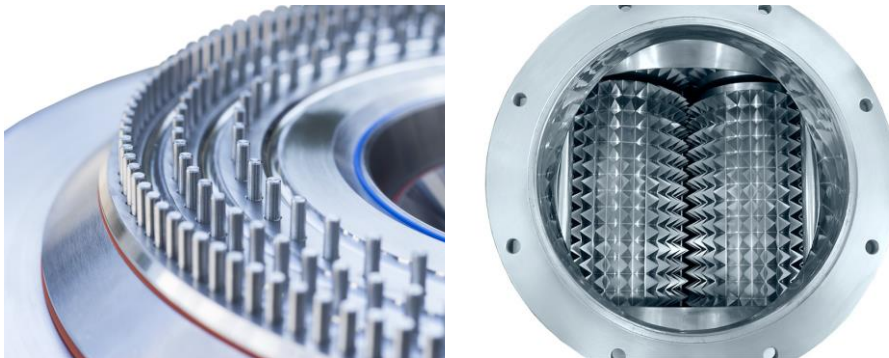




JEHMLICH MILLING SOLUTIONS

FOR FOOD | PHARMA | CHEMICALS | MATERIALS

23 OCTOBER 2018

For



Mr. Stefano Berti
Mr. Roberto Previ

JEHLICH CLAIM

„We deliver **consistent process quality, safety, and economics** with our **customized solutions** in coarse and fine grinding, separating and dosing.“

Engineering, Made in Germany. Since 1919.“

INDUSTRIES SERVED WITH CUSTOMIZED SOLUTIONS



PHARMA



FOOD INGREDIENTS



CHEMICALS



PLASTICS



RECYCLING



COMMODITIES



MINERALS



SPICES



LABS

CORE JEHLICH PRODUCT FAMILIES

Coarse Grinding

- Lump Breaker NW 300
- Hammer Mills HM 143/341/671
- *Prototype: Cutting Mill CM 341*

Typical applications

Breaking up lumpy and agglomerated materials

- | | |
|---------------|------------------|
| • Ingredients | • Coal |
| • Salts | • Ores |
| • Gypsum | • Agglomerates |
| • Sugar lumps | • Oil press cake |

Fine Grinding

- Industrial Mills REKORD A-D
- GMP Mills REKORD 224 - 630
- Dosing: RVs & Screw Conveyers
- Integrated Plants & Systems

Typical applications

Powder production, handling and dosing

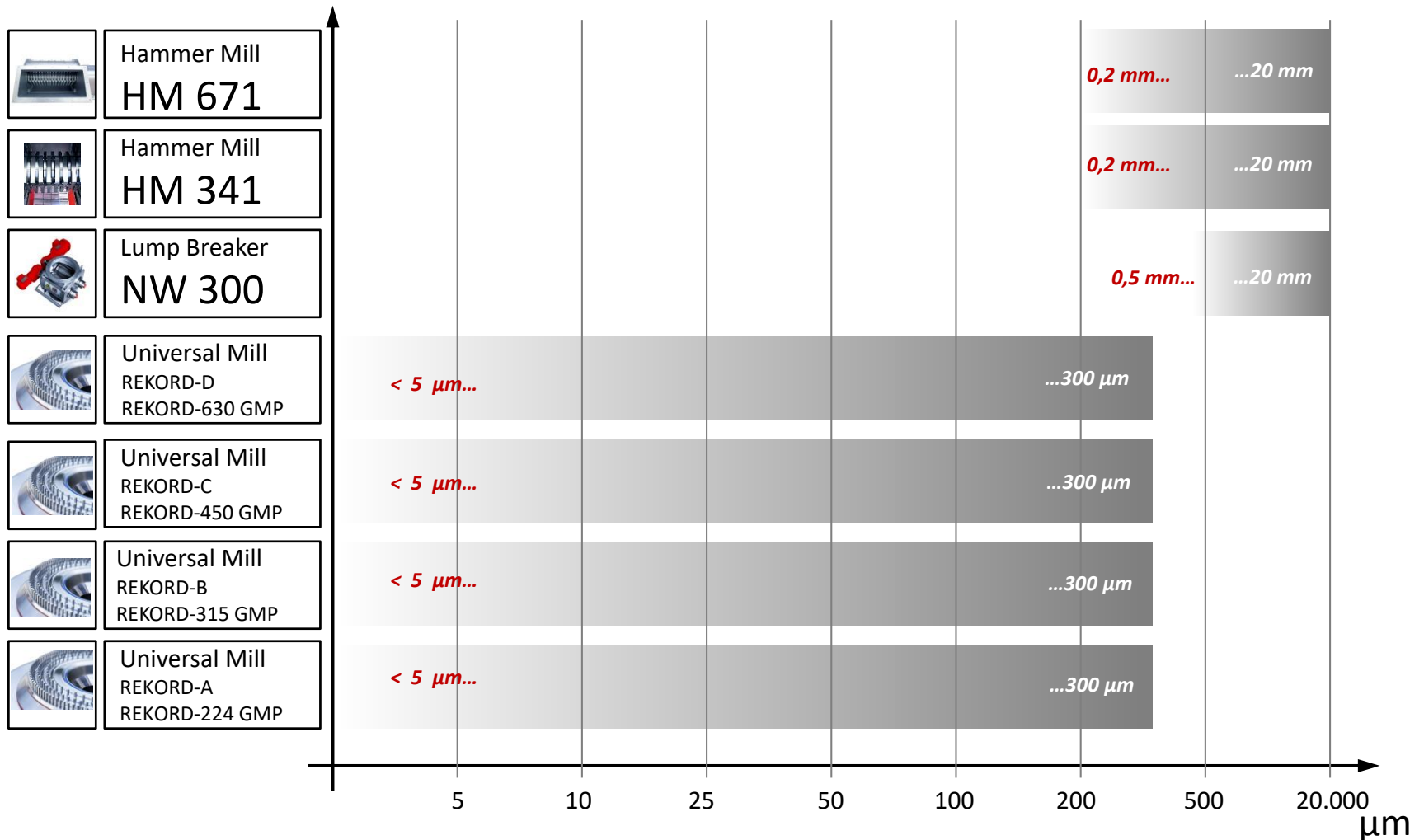
- | | |
|---------------|-------------|
| • Sugar | • Proteins |
| • Spices | • Lactose |
| • API | • Plastics |
| • Ingredients | • Materials |

BUSINESS MODEL

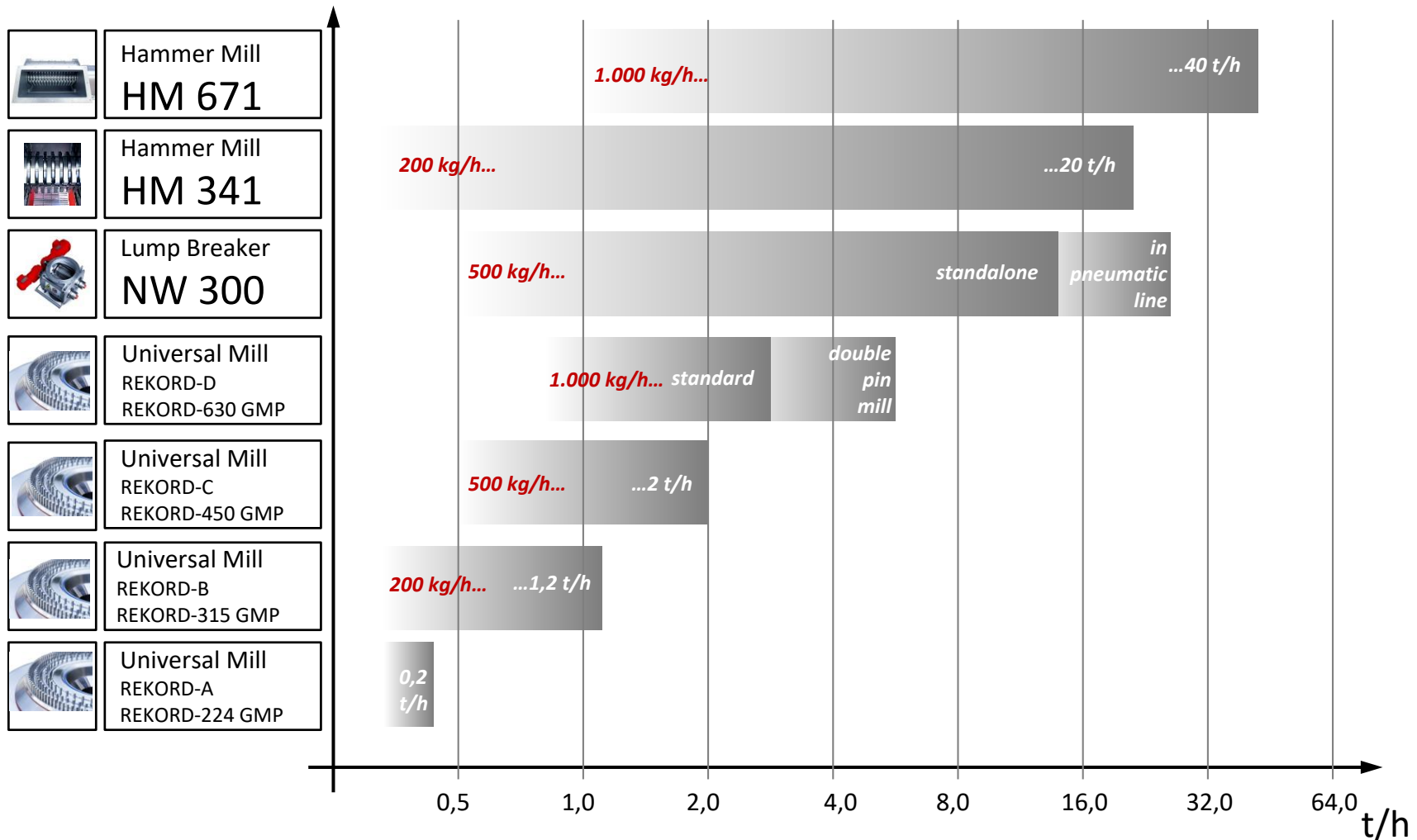
Best engineering, proven technology and commercial control:
your customized fine grinding solution from JEHLICH



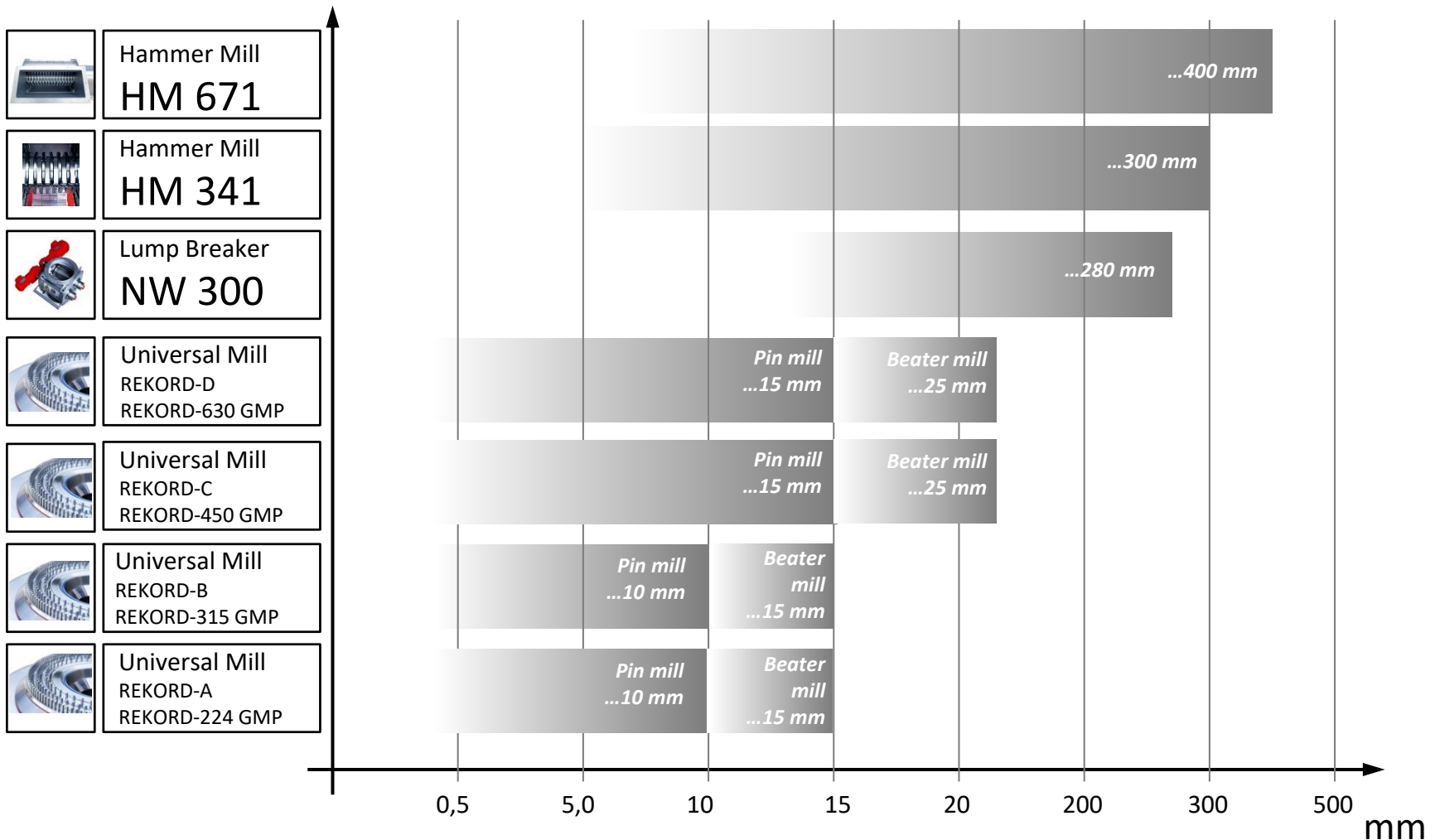
JEHMLICH portfolio by target particle range



JEHMLICH portfolio by capacity



JEHMLICH portfolio by feed particle range

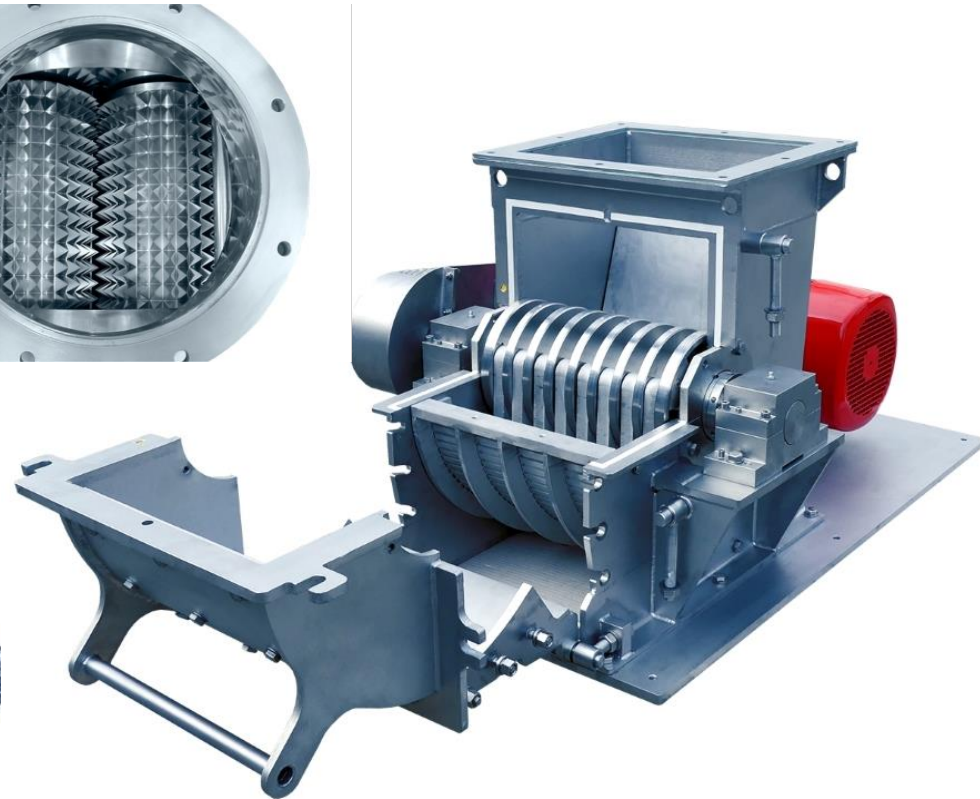


COARSE GRINDING

GMP Spiked Roller Breaker NW 300



Industrial Hammer Mill HM 341



FINE GRINDING 1

REKORD D Industrial Pin Mill in food-grade design, capacity max. 7000 kg/h



For fine milling of:

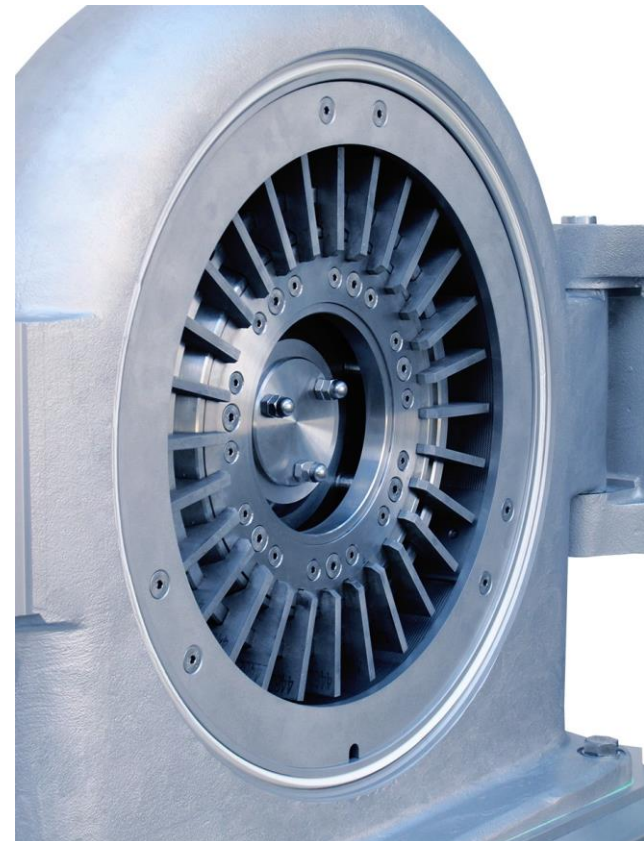
Sugar, Salts, Pigments, Spices, Oil Press Cake, Seeds, most crystalline materials

Results:

Range of 10 – 500 µm, set by rotation speed

FINE GRINDING 2

REKORD D Industrial Turbo Mill with sieve insert in food-grade design, capacity max. 5000 kg/h



For fine milling of: Sugar, fibrous materials, organic products,
for high air stream and cooling effects

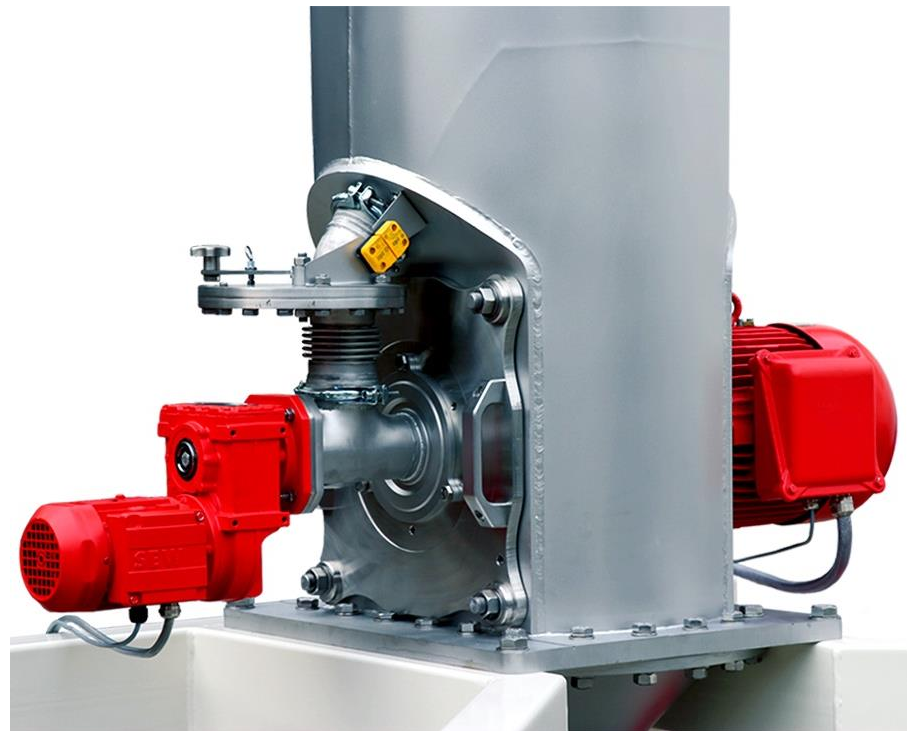
Results: Range of 10 – 500 μm , set by rotation speed
and sieve hole diameter

FINE GRINDING 3

REKORD A Small Batch Mill for food ingredients, spices, materials



REKORD B-ex ATEX compliant
Sugar Mill for 400 – 800 kg/h



For fine milling of: Sugar, Salts, Pigments, Spices, Oil Press Cake, Seeds, most crystalline materials
Results: Range of 20 – 500 µm, set by rotation speed

FINE GRINDING 4

REKORD 224 GMP CUBE
Fine Mill for up to 200 kg/h,
Pharmaceutical Production,
API and OTC

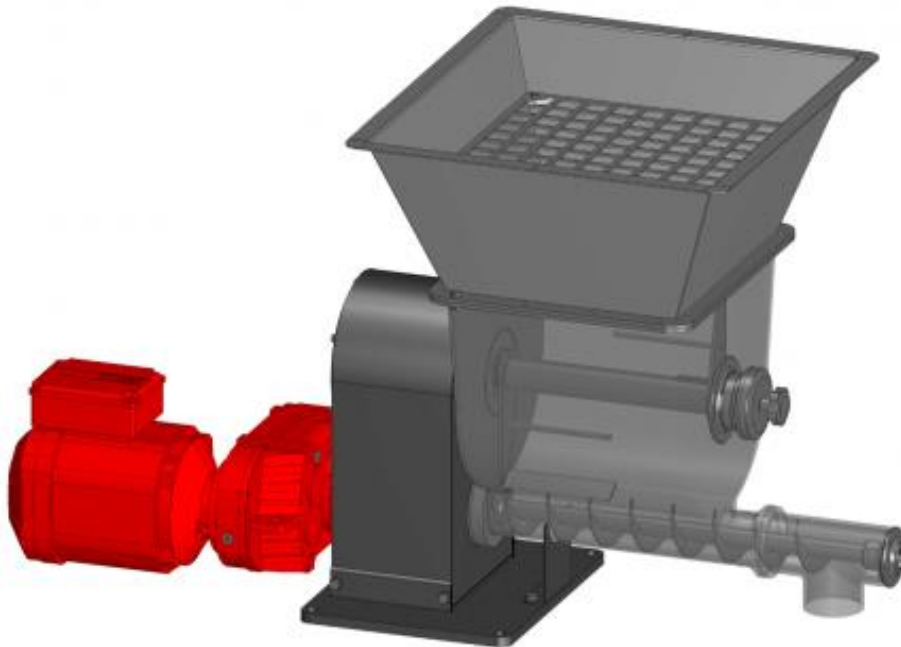


REKORD 315 GMP CUBE Fine Mill for 800 kg/h,
designed for Pharmaceutical Production



DOSING

Screw Feeder SD 63 GMP



Steady dosing/feeding for fine milling and mixing.

GMP Rotary Valve WD 180



Steady dosing/Feeding for fine milling and mixing.

INTEGRATED PLANTS & SYSTEMS – PHARMA 1

REKORD 315 GMP Milling Plant, inertized with cooling, circular, for Pharmaceutical Production (800 kg/h)



INTEGRATED PLANTS & SYSTEMS – PHARMA 2

REKORD 224 GMP milling plant, inertized, with cooling, circular, for Pharmaceutical Production of up to 200 kg/h



INTEGRATED PLANTS & SYSTEMS – FOOD 1

REKORD C Food Ingredients Grinding Plant



REKORD 630 Lactose Grinding Plant



INTEGRATED PLANTS & SYSTEMS – FOOD 2

REKORD D-SSt-ex Sugar Grinding Plant for 3 t/h fine icing sugar



INTEGRATED PLANTS & SYSTEMS – FOOD 3

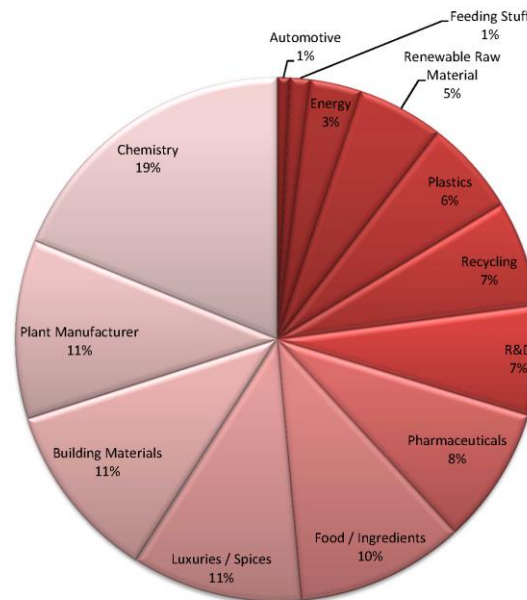


REKORD BT-ex
Sugar Grinding Plant
for 1200 kg/h of finest
powder sugar

TESTING FACILITY



JEHLICH runs a vast database of testing trial results. For Customers, we tap on our extensive process engineering experience.



Source: JEHLICH trials 2015

THE JEHLICH DNA

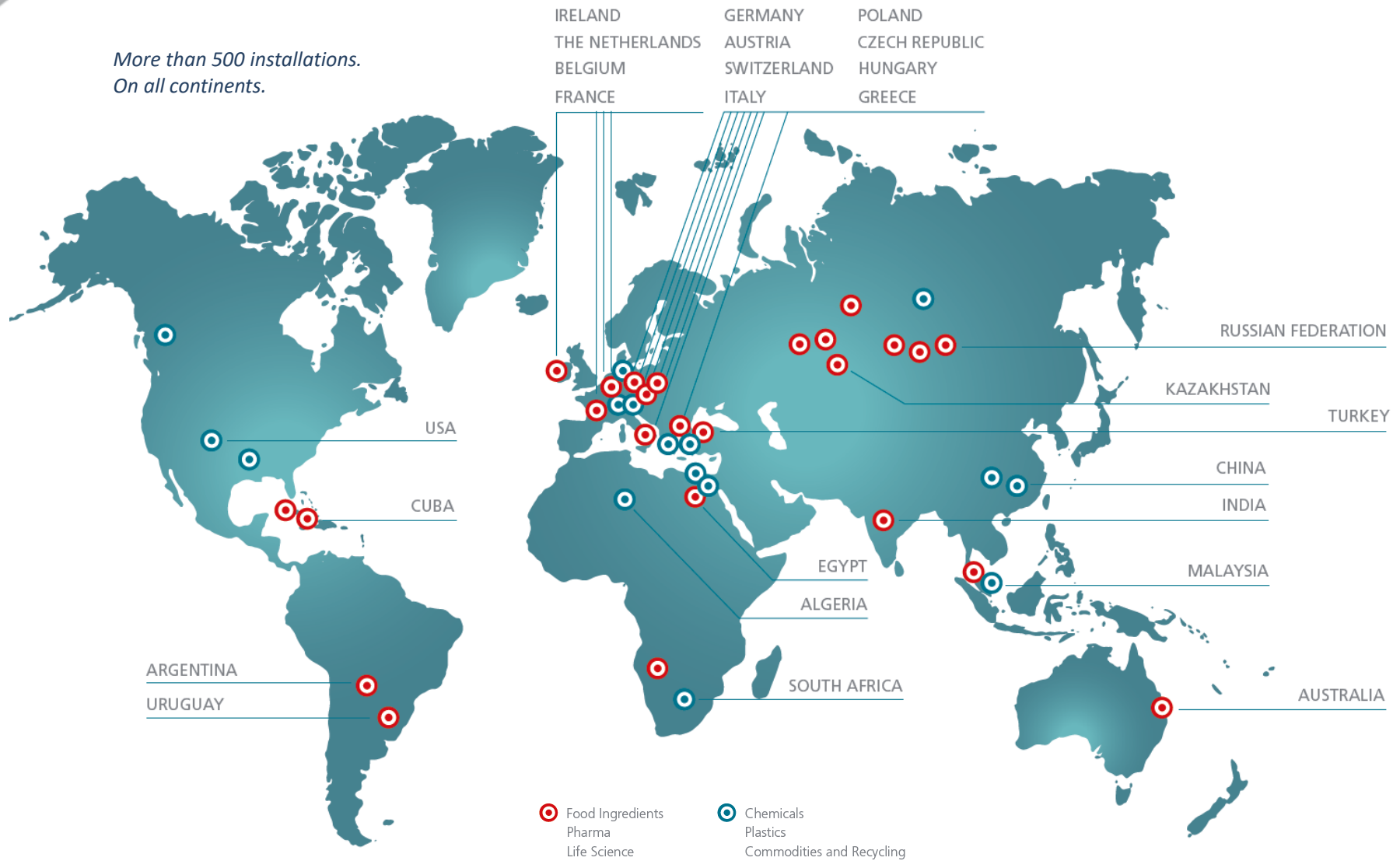
- **Design focus on quality, safety, economics**
- **Customized solutions for performance and efficiency**
- **German engineering and manufacturing**
- **GMP and food grade compliant**
- **KPI confirmed with trials**
- **Robust, proven systems**
- **Low maintenance**
- **Up to 24 months warranty**
- **Life-long spare parts and service**
- **Global commissioning & trainings**
- **Remote service and predictive maintenance**

References extract in Food/Pharma/Chemicals/Materials



Logos & Trademarks remain the sole property of the mentioned Companies.

More than 500 installations.
On all continents.



Thank you very much.

GEBRÜDER JEHLICH GMBH · INDUSTRIAL MILLING TECHNOLOGY

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