



BEXMILL ABM

Innovative crushing technology – from laboratory-scale to industrial-scale production



HOSOKAWA ALPINE

Process technologies for tomorrow.



»» THE FACTS SPEAK FOR THEMSELVES

ACCESSORIES

- » ROTOR
- » INLET AND OUTLET
- » SCREENS

PROCESS

- » ROTOR SPEED REGULATION
- » DEAGGLOMERATION
- » HOMOGENISATION

DESIGN

- » DUST-TIGHT
- » PRODUCT-CONTACTED PARTS
IN STAINLESS STEEL
- » FDA-APPROVED

HANDLING

- » FAST TOOL CHANGE OF ROTOR
AND SCREEN
- » SHORT CLEANING TIMES
- » EASY OPERATION

OPTIONS

- » ATEX DESIGN
- » POSITION OF DRIVE
- » GAS-TIGHT DESIGN
- » INSTALLATION FRAME IN MOBILE DESIGN
- » FLANGE GEOMETRY

»» *Have we whet your appetite?
If so, we look forward to
hearing from you!*

THE CRUSHING SPECIALIST

Proven versatility through high-performance technology

You place high demands on the crushing technology of your bulk materials? Our BEXMILL product line is the perfect answer with which the requirements of the pharmaceuticals, chemicals and food processing industries can be satisfied – from laboratory-scale to industrial-scale production up to 10 t/h. What that means for you: ONE single product

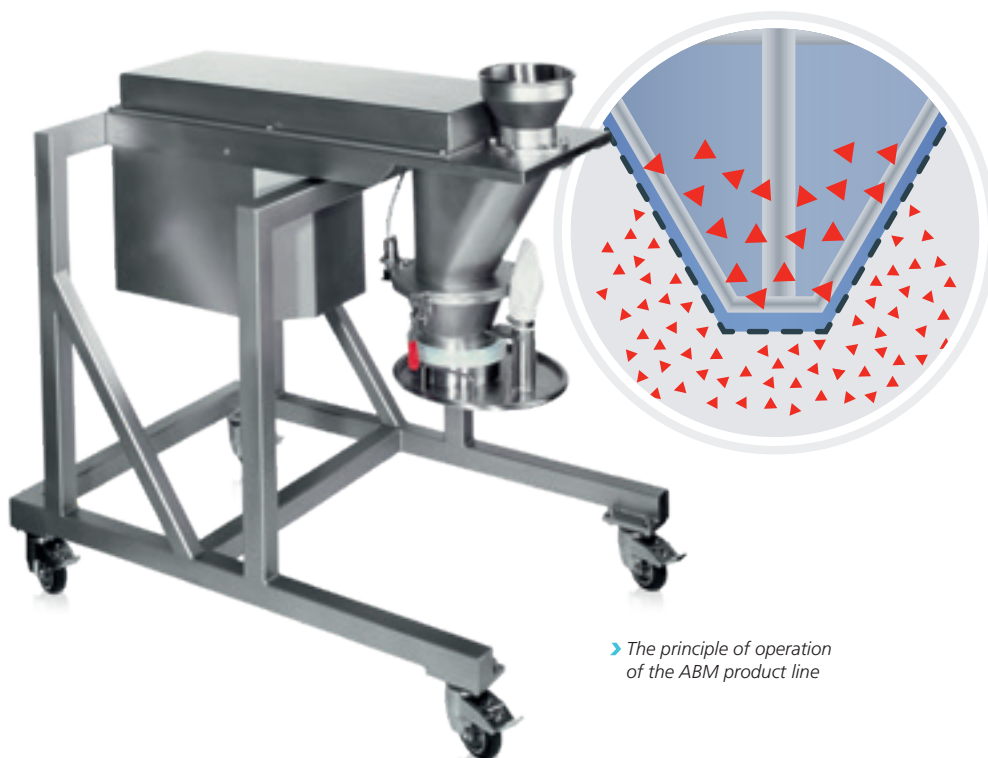
line in a number of different machine sizes for a maximum range of applications. Accessories and design variants are correspondingly versatile, regardless of whether a mobile laboratory system or a stationary mill suitable for potentially explosive atmospheres. The BEXMILL grinds soft to medium-hard materials in one step.

» THIS IS WHAT COUNTS

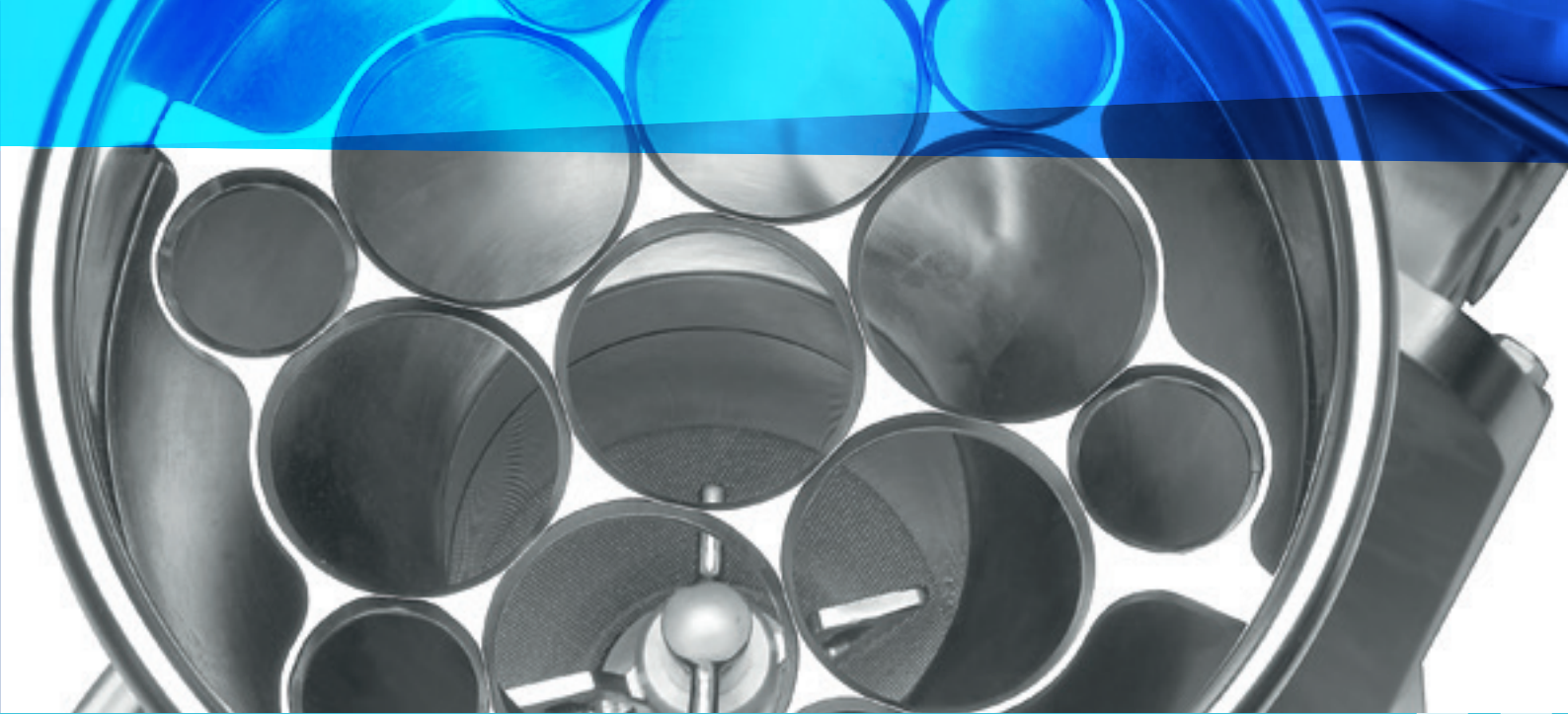
CRUSHING WITH THE BEXMILL BRINGS

SEVERAL ADVANTAGES RIGHT FROM THE START:

- » Bulk materials are homogenised, the flowability improved, the bulk density increased, agglomerates dispersed and rejects crushed gently
- » The conical shape of the grinding chamber guarantees high speeds, higher throughput rates and higher fineness values
- » Wide product and application range – from moist to dry feed material
- » The rotor can be adjusted without any need to open the grinding chamber, and this ensures an optimum crushing effect



» *The principle of operation of the ABM product line*



FULL SERVICE – FROM ONE SINGLE SOURCE

Decide in favour of the individually coordinated **service options from BLUESERV**. Optimise your processes – comfortably and reliably – with flexible maintenance agreements, stock or call orders for spare parts, regular system checks and intensive support. Interested? Always at your service! www.blueserv.de



TAILORED

TO YOUR APPLICATION

SALT & SUGAR LUMPS

Hygroscopic products have a tendency to form lumps during their storage. Homogenisation ensures a smooth production process.



POWDERED MILK

The baby boom and the growing global population serve to constantly increase the demand for milk powder. A special process is necessary for the production of high-quality milk powder: the deagglomeration of the powder downstream of the mixing and drying steps constitutes an essential element of the production process.



SALTY SNACKS / SWEET PASTRIES

Broken goods need no longer be disposed of but can rather be returned to the production process as rework material.



TECHNICAL SPECIFICATIONS

| | ABM 80 | ABM 125 | ABM 150 | ABM 200 | ABM 225 | ABM 300 | ABM 325 | ABM 400 | ABM 600 |
|-------------------------|----------|----------|----------|-------------|-------------|-------------|-------------|---------------|----------------|
| Drive (kW) - from above | 0.55 | – | 1.5 | 4 | – | 5.5 | – | 15 | 22 |
| Drive (kW) - from below | – | 1,5 | – | – | 4 | – | 7,5 | – | – |
| Weight (kg) | 90 kg | 250 kg | 200 kg | 200 kg | 350 kg | 380 kg | 450 kg | 480 kg | 700 kg |
| Throughput (kg/h) | 10 – 100 | 20 – 200 | 20 – 200 | 100 – 1,000 | 100 – 1,000 | 500 – 4,000 | 500 – 4,000 | 1,000 – 8,000 | 1,500 – 10,000 |
| Smallest batch size (g) | 100 | 150 | 250 | 500 | 500 | 750 | 750 | 1,000 | 1,500 |

TEST IT FIRST – BEFORE YOU DECIDE

Make use of our unique service and test your special system configuration during the planning phase in **Hosokawa Alpine's testing centre**. Over 60 machines and complete systems are available as well as test laboratories at two locations.

The result: You receive a system concept tailored to your individual requirements. **Interested? Get in touch with us!**

THE PERFECT INTERPLAY

FOR OPTIMUM PRODUCT QUALITY

The interaction between the grinding tool and the screen is an innovative characteristic of the BEXMILL. Dependent on the product properties, the screens are available in four different variants:

- › Round perforations
- › Rasp-like perforations
- › Slotted perforations
- › Square perforations

The amount of energy required is generally low and corresponds roughly to the force that one can apply by manual crushing. The product is crushed between the rotor and the screen. A defined top cut is achieved in this way. Typical screen mesh sizes range from 0.5 – 10 mm. Thanks to the low energy input, the end product is low in fines and the crushing process is low in noise. The feed material must not necessarily be dosed. The machine does not need to be dedusted. Screens are available in different designs.



› Screen inserts are available in different designs



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