

# LWM-100

LOW-DUST MILLING USING  
GMP CONFORMING ROLLER MILLS



## LWM-100

The department »Particle technology« of NEUHAUS NEOTEC Maschinen- und Anlagenbau GmbH has improved the well-established laboratory grinder LWM 100 for the most demanding applications in the pharmaceutical and chemical industry as well as in the food industry.

The new design with drive system and control elements housed together in one stainless steel case allows quick and easy cleaning. All product-contacting parts are designed in stainless steel 1.4404 (316 L) with a surface quality of  $< 0.8 \mu\text{m}$ . Due to the separation of grinding chamber and drive unit, air-cleaned shaft seals and an easily dismountable product guiding system, the grinder complies with the highest GMP demands and with the Directive 94/9/EC (ATEX). The roller mill process is superior to any other milling process if low-dust grinding with a narrow particle size distribution is to be achieved.

### Design characteristics:

- Continuous adjustment of the roller speed and the grinding gap
- Use of stainless steel rollers in smooth and/or corrugated design
- Designed as 1 or up to 4 stage grinder for highest flexibility
- Capacity of 100 g up to approx. 500 kg/h depending on the requirements

### Applications and examples:

- Grinding of flakes of organic and inorganic products compacted by rollers with a content of less than 10%  $< 100 \mu\text{m}$
- High yields of e.g.  $> 90 \%$  in the range of 100 and  $500 \mu\text{m}$
- Grinding without temperature increase due to quasi individual grain crushing
- Crushing of agglomerates and granulates
- Reproducible grinding results

