

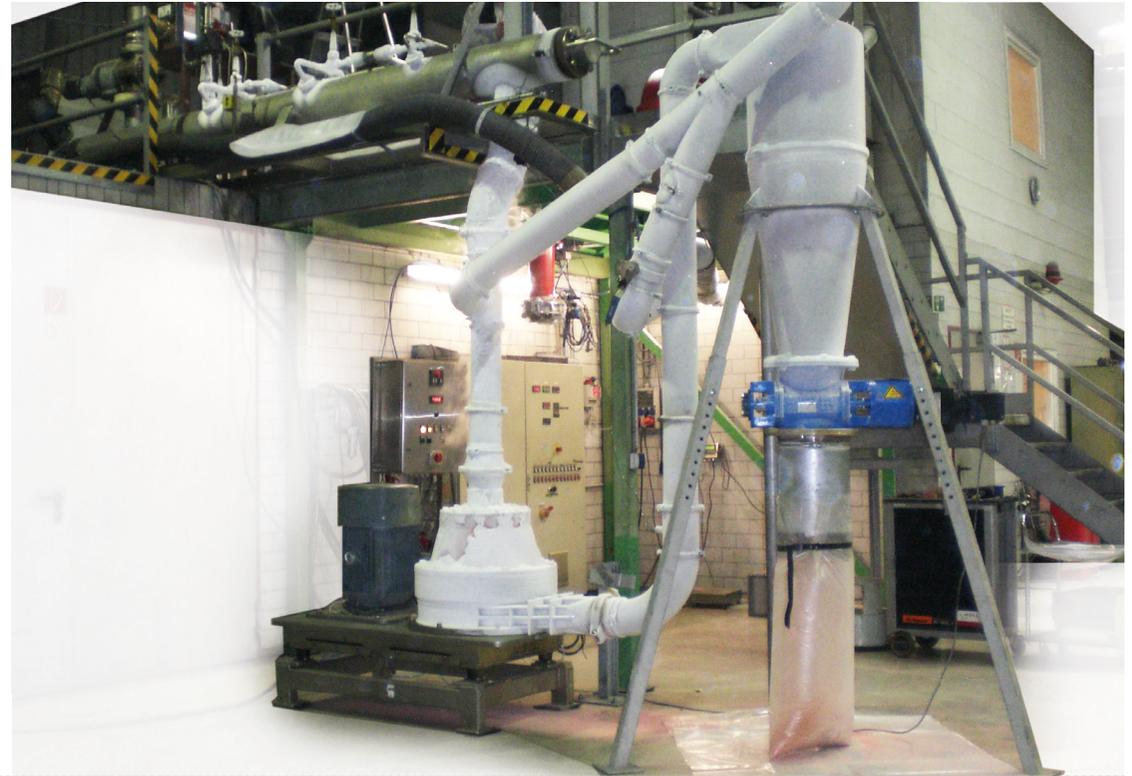
CRYOGENIC GRINDING

CRYOGENIC GRINDING WITH DEMINO[®]. IT'S SO COOL.

Our impact jet mill DemiNo[®] grinds steep particle size distributions that have no equal. Curves so tight that even dust removal is no longer needed: only two processing steps are necessary – first micronisation, then classification.

With special cryo equipment and a rotor especially developed for cryogenic processing, DemiNo[®] gives yet another outstanding performance. With flexibility and impact, it masters new grinding challenges, for example in the premium plastics sector. Just ask us!

High-tech precision,
nitrogen at -198 °C:
cool processing with
impact jet mill
Cryo-DemiNo[®].



CRYOGENIC GRINDING: PRODUCTS AND APPLICATIONS.

Plastics e.g. polyamides for use in the water bath, prototyping of polymer parts (laser sintering). Here ultra-precision grinding is the decisive factor to obtain required grain size distributions.

Polyurethane

Rubber

Temperature-sensitive products, e.g. waxes.

Fibrous products, e.g. cellulose. Cryogenic grinding breaks fiber structures and shortens the fibers. Afterwards, the product can easily be micronised in further milling processes.

Foodstuffs, chiefly fatty products – please ask us.

CONTACT

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ONLINE TOP CUT AND DUST REMOVAL

THREE GOALS, ONE GO.

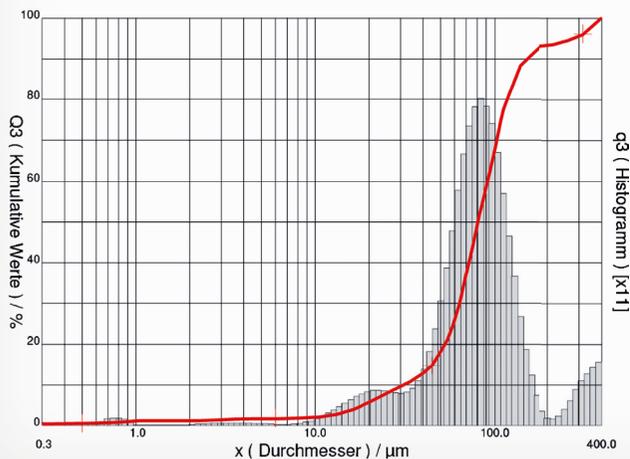
Exact reproduction of the defined maximum particle size, while removing finest particles and enhancing flow characteristics or fines weight – according to your product requirements: NOLL engineering has significantly reduced processing steps, even for extremely hard materials. We make combination processing work: with our individual concepts, multifunctional systems and time-saving online procedures.

Maximum particle size <50 µm: MultiNo-M/S/M®

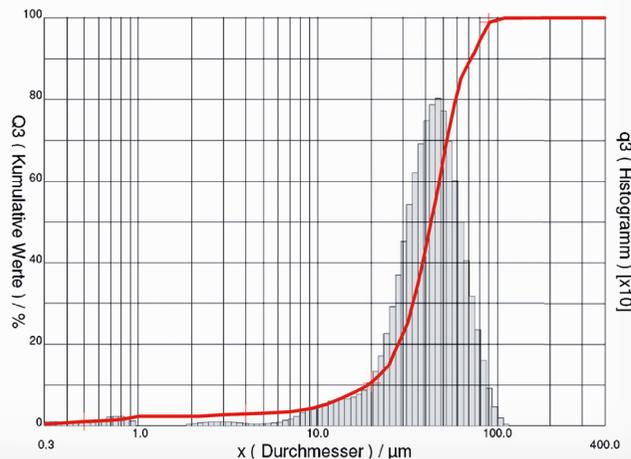
MultiNo®-M/S/M, the patented opposed jet mill, means milling, separating and mixing with only one system. It solves special tasks in one go, e.g. a change of particle size distribution of ceramic and chemical powders (toners, pigments). Operating continuously, the mill achieves both the desired particle size curve and the removal of dust.

Example: When a particle size distribution of 5–50 µm is required, MultiNo®-M/S/M defines a sharp top cut of <50 µm and, at the same time, eliminates the 0–5 µm grains fraction. Formerly three processing phases (classification, micronisation, classification) – NOLL has minimized them to just one single milling/classification step.

ALUMINUM OXIDE CORUNDUM / FEED MATERIAL



ALUMINUM OXIDE CORUNDUM / FINE PRODUCT



Opposed jet mill MultiNo®-M/S/M:
online top cut and dust removal of abrasives,
example aluminum oxide (corundum).

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