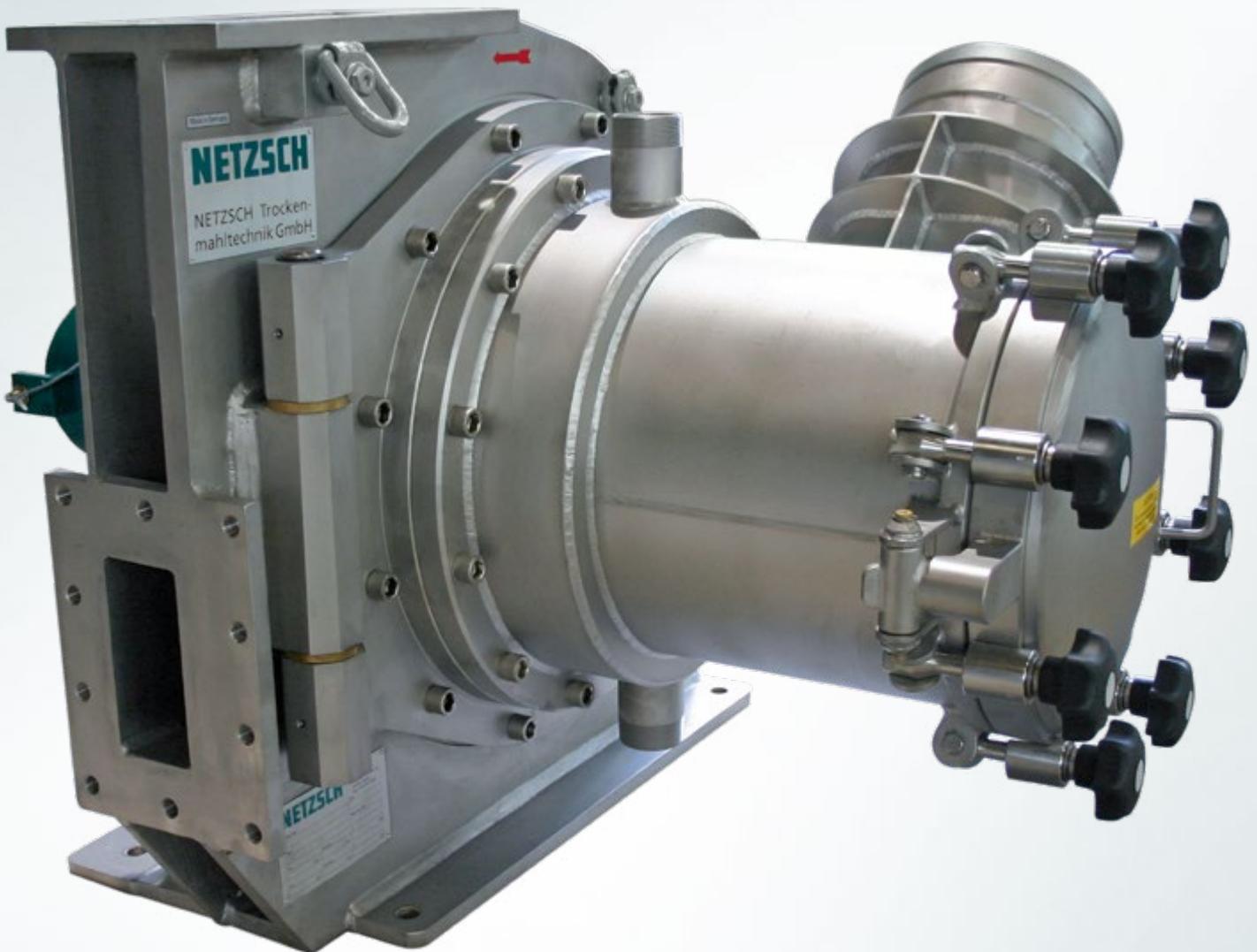


NETZSCH

Proven Excellence.



NETZSCH High-Performance Fine Classifier *INLINESTAR*

A Genuine Inline-Classifer

Business Unit
GRINDING & DISPERSING

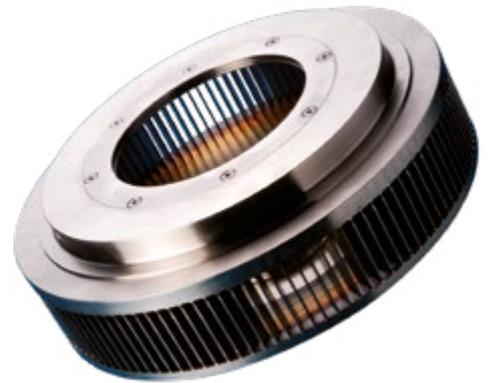
Compact and Simple

Even the most challenging classifying jobs can be solved efficiently and economically with the NETZSCH *INLINESTAR*.

Developed to produce finest cut points in a range down to d_{97} 2.6 μm (based on limestone), this high-performance air classifier can now be used successfully to complete grinding plants. Excellent sharpness of cut and a very selective product guiding are the essential characteristics of the new *INLINESTAR*. With the *CONVOR*[®] classifier wheel, which features constant radial speeds inside the wheel, ranges of fineness can be obtained, which were not previously possible with other inline classifiers on the market. This optimized classifier wheel design ensures that very high finenesses can also be obtained using only one classifier wheel even with high throughput capacities.

The screw-shaped housing optimizes the product flow within the device. In this way, large amounts of coarse product can leave the product discharge unhindered! Accessibility and easy cleaning of the machine are guaranteed due to the swing-out housing door.

For the processing of dust-explosive hazardous products the machine- and plant execution in pressure-shock resistant version [up to 10 bar (g)] is the usual option. The choice of material can be made to suit the particular requirements of the product to be processed. Mild steel as well as rust- and acid-proof materials are standard.



NETZSCH High Performance Fine Classifier
INLINESTAR

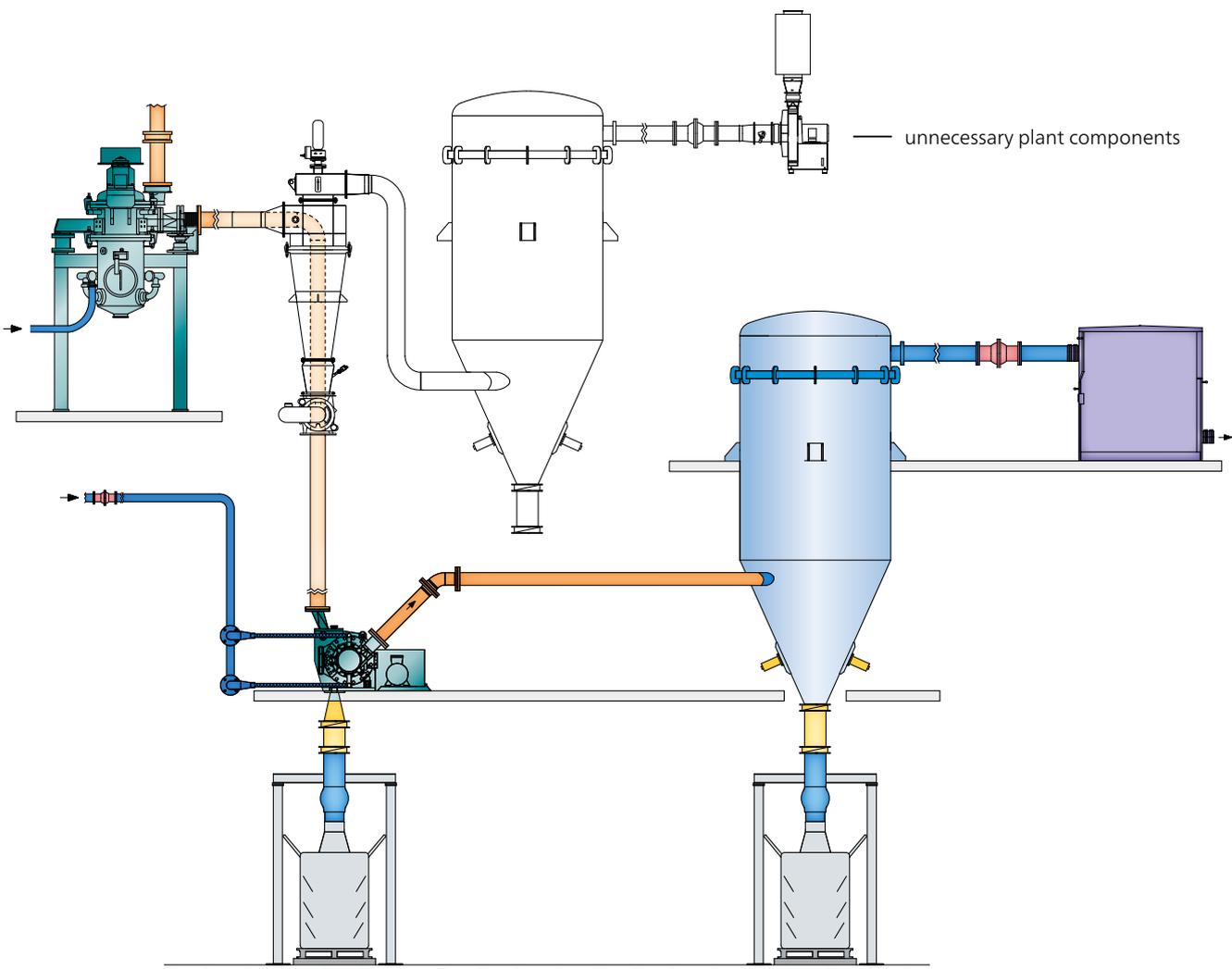
The combination of a fine-grinding mill with a downstream air classifier is essential for many product applications. Typical applications for 2-stage grinding/classifying plants are the dedusting of preground powders, meaning the removal of undesired ultra-fine fractions, as well as the separating out of coarse particles or grit. Until now, the expense for the necessary plant components was quite high, at least when the best possible product quality was to be achieved.

With the *INLINESTAR* developed by NETZSCH Trockenmahltechnik GmbH, this expense can be reduced significantly! An intermediate separation of the product after grinding is no longer necessary. Once the air volumes have been balanced, the ground material can be fed directly into the high-performance classifier.

The *INLINESTAR*, the only true inline classifier on the market, is available for testing in our laboratory.

Your Advantage is Our Focus

- Lower Investment Costs
 - Fewer plant components
 - Less space required
- Lower Operating Costs
 - Lower total air amount
 - Lower total energy
- Easier To Operate
 - Easy to clean
 - Easier product change
 - Improved accessibility
- Highest Product Quality
 - Best range of separation
 - Maximum product utilization



Grinding-Classifying plant with *INLINESTAR* and upstream Fluidized Bed Jet Mill CGS in pressure-shock resistant execution



The NETZSCH Group is an owner-managed, international technology company with headquarters in Germany. The Business Units Analyzing & Testing, Grinding & Dispersing and Pumps & Systems represent customized solutions at the highest level. More than 4 600 employees in 36 countries and a worldwide sales and service network ensure customer proximity and competent service.

Our performance standards are high. We promise our customers Proven Excellence – exceptional performance in everything we do, proven time and again since 1873.

Proven Excellence. ■

Business Unit Grinding & Dispersing – The World's Leading Grinding Technology

NETZSCH-Feinmahltechnik | Germany
NETZSCH Trockenmahltechnik | Germany
NETZSCH Vakumix | Germany
NETZSCH Lohnmahltechnik | Germany
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