

Dedusting project

Dedusting of a grinding mill for production of permanent magnets

Two grinding mills for production of permanent magnets are dedusted with two-stage filter units type INFA-MICRON MPR 2/20-2/20. The dust collectors for superfine particles protect the downstream gas compressor against residual dust and minimize wearing.

Cleaning is carried out by jet-pulse. The two filter stages are equipped with special filter cartridges. The raw gas dust load is reduced to a residual dust content of less than 1 $\mu\text{g}/\text{m}^3$ after filtering.

Since the process is run in a closed loop with inert gas, the filter units are designed gas tight. This prevents the production process from entry of false air.

Technical data

Filter type		MPR 2/20-2/20, two-stage
Filter area	[m ²]	40 each filter stage
Filter class		H11 resp. H13 according to EN1822
Residual dust content	[$\mu\text{g}/\text{m}^3$]	< 1

