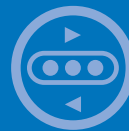




DRYING



CONVEYING



DE-DUSTING



De-dusting solution for lime production

De-dusting solution for cement works

## De-dusting and Filter Technology

One of the important areas of interest of Münstermann is the design, development and production of de-dusting and filtering units (formerly known as Lüscher filters). Customer-specific solutions to problems, which are tailored exactly to the customer's needs, are founded on experience gathered over decades. In this way the whole spectrum of possibilities is covered: from the design and development of the plants, the modernisation of existing units to special services such as engineering support and planning.

At Münstermann you will find everything in one hand.

### Advantages at a glance

- Design, development and production of de-dusting units up to a capacity of 500,000 cu. metres/hour
- Modernisation of existing units of different makes and models
- High flexibility derived from modular design
- Filter and de-dusting units as part of the process (e.g. flash driers)
- Filtering and de-dusting services
- Experience gathered from a large selection of applications:
  - e.g. chemical industry, quarrying and earth-moving sectors, cement industry, starch production, mining, and road-building

- de-dusting and filtering engineering for production units (e.g. steel production and refractories)

### Special advantages of the bag chamber filters

- The crude gas side is practically free of dust deposits. Therefore the filters can be used in explosion protected areas.
- The use of the filter tubing with snap rings makes servicing easy and a quick tube change possible without any mechanical work.
- The bag chamber filters are especially suitable for a high content of dust in crude gas.



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WE DEVELOP SOLUTIONS

INNOVATIVE PLANT ENGINEERING FROM GERMANY

De-dusting plant with explosion protection and tubing for the plastic industry

One filter each for two flash driers for the chemical industry

New filter head on old plant

Insulated and heated de-dusting plant of a drying drum



#### Layout and planning of de-dusting units

De-dusting units are constructed on the basis of use of the most up-to-date CAD-tools at Münstermann. The experience of decades of work means that the design and project engineers are able to come up with the optimal filter solution in every case. It does not matter whether it is for a single filter for a quarry, for example, or for a complete de-dusting solution with a multitude of individual units for a complete cement factory.

#### Modular design of the units

Münstermann's de-dusting and filter units are built on the basis of a modular design. This modular concept makes different depths of production for the customer possible. The steel frame or the piping, for example, can be produced locally therefore by the customer himself. In addition the housing can be delivered pre-assembled, which will shorten the assembly time.

#### Modernisation of existing units

For nearly all makes of existing units appropriate kits are available for the modernisation and modification with the most modern filter technology. The advantages of a modernisation programme are an increase in performance using the same filter surface area, simplified servicing schedules and an increase of durability of the units.

#### Filters as part of the engineering process

Together with filter technology Münstermann offers products from the drying unit sector and material handling technology. The precipitation of products in powder form can be part of the engineering process especially where driers are concerned. In this way the filter technology can be utilised in flash driers to precipitate the product to be dried, for example, starch. When special conveyor techniques are also made use of in the transportation of powdered goods such as cement, solutions can be offered in that the filter technology is perfectly matched up with the other sections of the unit.

#### Services available in connection with filter and de-dusting units

Münstermann offers a large number of services in connection with de-dusting. This ranges from residual dust measurements, to design and pure engineering. The customers can trust in the many years of experience of the Münstermann engineering team. Be it the provision of simple filters or the equipping of large production plants Münstermann is not only active in Germany and abroad in de-dusting but also in drying and material handling technology. For this reason complete solutions for a whole range of engineering processes can be offered. ■

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