



DRYING



CONVEYING



DEDUSTING



Two large curing ovens at customer's production site



Large forming section for glass wool production

Competence in glass and stone wool

One of the core competences of Münstermann is the design, development and assembly of units for glass and stone wool production. Curing ovens as well as forming sections, which collect the spun glass fibres and transport them to the curing oven, are designed and produced. In addition, we have longtime experience with systems for line dedusting. Along with the production of the plants you as the customer can also benefit from the many years of experience in the project work and installation of these units. It is possible, when requested, to take on the complete project process from the concept phase to taking into operation.

Advantages at a glance

- Conception, design, development, and production of curing ovens, forming sections and line dedusting units according to the customer's requirements and production performance
- Ovens and forming sections for mats, boards, pipes and white wool
- Compact construction: fans and burners are integrated into the oven casing.
- Ease of servicing the ovens and forming sections are an important characteristic of the units
- Extremely short installation time: This is also true of modification programmes of existing plants.
- Experience with large projects and installation world-wide including project management, if necessary, with local experts.
- Diversity: even years after start of operation the units can easily be modified to suit new demands of production processes. (Changes of directions of air flow or new zone retrofits, for example)
- Excellent temperature and air flow distribution is made possible by the reciprocal layout of the burners and the fans. This characteristic is not only advantageous for the product but also the even use of the unit (synchronous chain operation).
- Optimal machine conditions for the flights:
 - Quadruple air circulation
 - Even temperature distribution



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INNOVATIVE PLANT ENGINEERING FROM GERMANY

Curing oven outlet of a 180 Tonnes per day glass wool production line



Dedusting unit for glas wool line dedusting



Small forming section for stone wool production



Curing oven for glass wool pipes (special Münstermann construction)



Curing ovens – Basis of the product quality

Curing ovens for the drying of the glass wool and the curing of the binders during production of the different glass wool qualities is one of Münstermann's core competences. The diversity of production with regard to density, the fibre units, the fineness of the fibres, the thickness of the material, the width of the material and the output of glass wool are allowed for in the appropriate units:

- Design of ovens producing an output of up to 200 tonnes per day.
- The effectiveness of the curing ovens is optimised by an efficient sealing system at the important material processing positions.
- Safety aspects are taken account of during the design and development phase.
- Modernisation and modification of existing units are possible at any time.

The modular construction of the ovens allows for an uncomplicated adjustment to the production capacity during the planning phase but also makes an extension of the unit quite simple even after years of operation.

Forming sections for glass, stone and white wool

In order to transport the fibres and binder to the ovens special fibre collecting units (forming sections) are used. These forming sections are important for the even distribution of the fibres on the conveyor belts and therefore also for the overall

quality of the product. Münstermann designs and produces forming sections in various sizes and types.

Spare parts and maintenance services

Even before and after delivery Münstermann is a competent partner. The spare parts and maintenance services consist of:

- Provision of a packet of spare parts, which is required for problem-free operation of the unit.
- Production of flights – those links that make up the conveyor belts. Top quality components are a pre-requisite here.
- A servicing and production back-up during the operation of existing units.

World-wide project work

One of Münstermann's strengths is its ability to handle large projects world-wide:

- Cost-saving transport: depending on the requirement the units can be so designed that they may be transported in standard containers or in pre-assembled sections of zones.
- World-wide installation: Teams of fitters and engineers take over the installation and commissioning of the units in any country. Should it not be possible to employ Münstermann teams in some regions, then experienced and competent partners can be called on in these countries. ■

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