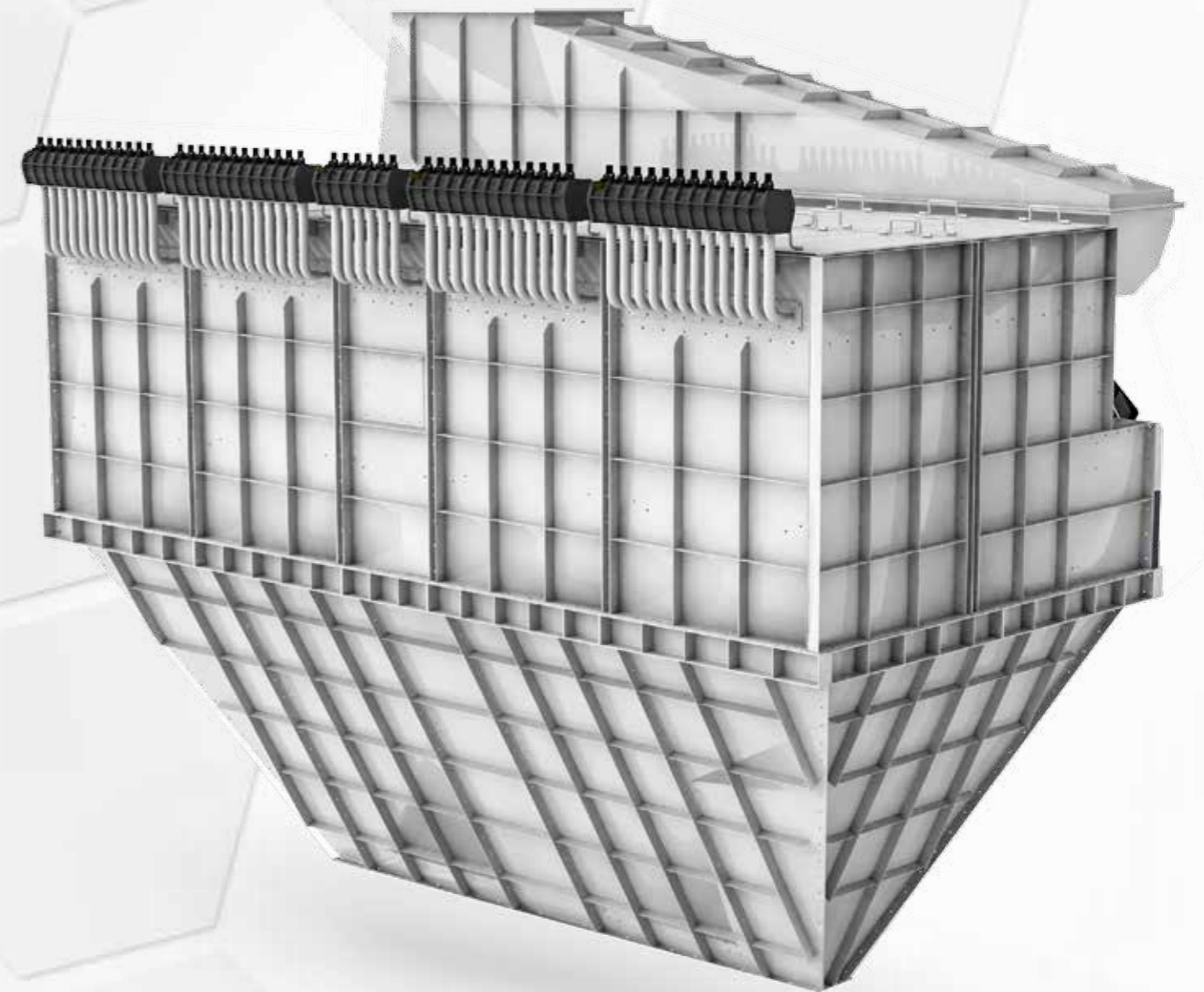




Smartphone?!

Just scan our QR Code and learn everything about our company and our products.



Herding GmbH
FILTERTECHNIK

August-Borsig-Str. 3
92224 Amberg
Germany

Tel.: +49 9621 630-0
Fax: +49 9621 630-120
info@herding.de

Herding **MAXX**

HERDING MAXX PRODUCT DESCRIPTION

The innovative large-scale filter system

The Herding MAXX series offers all the proven benefits of pure surface filtration with Herding® sinter-plate filters for use in large volume flows.

The large filter units' upper section can be designed either as a walk-in clean gas compartment or as a simple housing cover with access to the clean gas compartment. The connection to the clean gas duct is possible via a single interface.

In the middle section, the raw gas inlet is located at the heart of the system. The raw gas duct can also be connected with only one flange. Deflector plate systems at the filter inlet ensure effective pre-separation to protect the filter elements against coarse particles and ensure an optimum flow.

The actual dust particle separation is achieved via the patented Herding® sinter-plate filters by pure surface filtration on a rigid-body basis.

Assembly of the filter elements is performed from the clean gas side. The jet pulse unit is located outside of the filter unit to make maintenance and revision works of the entire cleaning system possible during operation without shutting down the filtration system.

The dust discharge hopper forms the lower section of the filtration system. This can be equipped with various continuous discharge systems according to the individual requirements.

The modular concept allows the most effective use of space during transport and delivery, as well as high flexibility in plant construction. Depending on the existing site conditions, the bolted construction concept offers several alternatives from basic components to large, pre-installed assemblies. Due to significantly lower requirements for cranes and scaffolding, installation times are reduced up to 30% compared to conventional filtration systems.



HERDING MAXX PRODUCT AND SERVICE SPECTRUM

DESIGN FEATURES

- » Herding® DELTA, DELTA², HSL or HSL-C filter media can be used
- » Pure surface filtration on a rigid-body filter basis
- » Maximum flexibility in delivery and installation through modular design
- » Highly efficient cleaning system with low energy optimized compressed air consumption
- » Compact modular design
- » Integration of raw and clean gas ducts using only one interface each
- » Operating flow rates up to 1,000,000 Am³/h and more

OPTIONS

- » Optional walk-in clean gas compartment
- » Constructive equipotential bonding of the filtration system
- » Flexible choice of dust discharge systems (continuous)
- » High-quality coatings for inside and outside installation

APPLICATION EXAMPLES FOR THE HERDING MAXX SERIES

Herding MAXX filter units are working on the principle of pure surface filtration using Herding® sinter-plate filters. They are generally suitable for the filtration and product recovery of fine, abrasive and adhesive dusts or for dusts with agglomerating tendencies. The Herding MAXX series is perfectly conceived for large product quantities with flow rates up to 1,000,000 Am³/h and more.

STEELMANUFACTURING

Steelmaking, crude iron production and foundries require safe and reliable capturing and separation of dust emissions. Typical dust generating processes are, for example blast furnace extraction, decanting pits, ladle handling and charging facilities. Successful installations have included the hot rolling of plates, slabs and semi-finished products ranging from carbon steel to stainless steel up to special molybdenum steels. Even with mixtures of iron oxides, various additives and water vapour, proven filter life cycles of over 10 years have been achieved.

For sand processing in foundries, the high separation efficiency of the Herding® sinter-plate filter prevents the loss of fine-grain material.



SAND MINING AND PROCESSING

In the field of quartz sand extraction and treatment, large quantities of exhaust air are generated through the drying of sand. Increasing demands on quartz particulate emissions make efficient and safe filtration indispensable. In addition to high separation efficiency, crucial factors are constant operating conditions and a high passive safety level of the filter media with regard to effective damage protection. Pure surface filtration using the Herding® sinter-plate filter provides these optimal conditions – as well as outstanding product recovery.



ORE EXTRACTION, PROCESSING AND TRANSPORT

For decades, filter systems for mining, open pit mining and the extraction, processing and internal transport of ore have been core markets of Herding GmbH Filtertechnik. High resistance to abrasive dusts, extremely low clean gas values, compact design and consistent operating conditions with extremely long filter element life ensure maximum safety for the operator.



RECYCLING AND TREATMENT TECHNOLOGY

The recycling industry and secondary raw materials are gaining in economic significance. Scrap metal and mixed scrap in large shredder systems demand increasingly high-efficiency filtration with respect to the quality of the final product. Also for example, the handling of dross and salts in secondary aluminum production requires high dust extraction flow rates with increasing demands on filter performance.



Other application areas for the Herding MAXX series can be found in the following industries:

Mineral resources, plastics, food, metallic minerals, chemicals, metallurgy, glass industry, etc.

Our capable sales engineers will be glad to advise you regarding your specific application requirements!