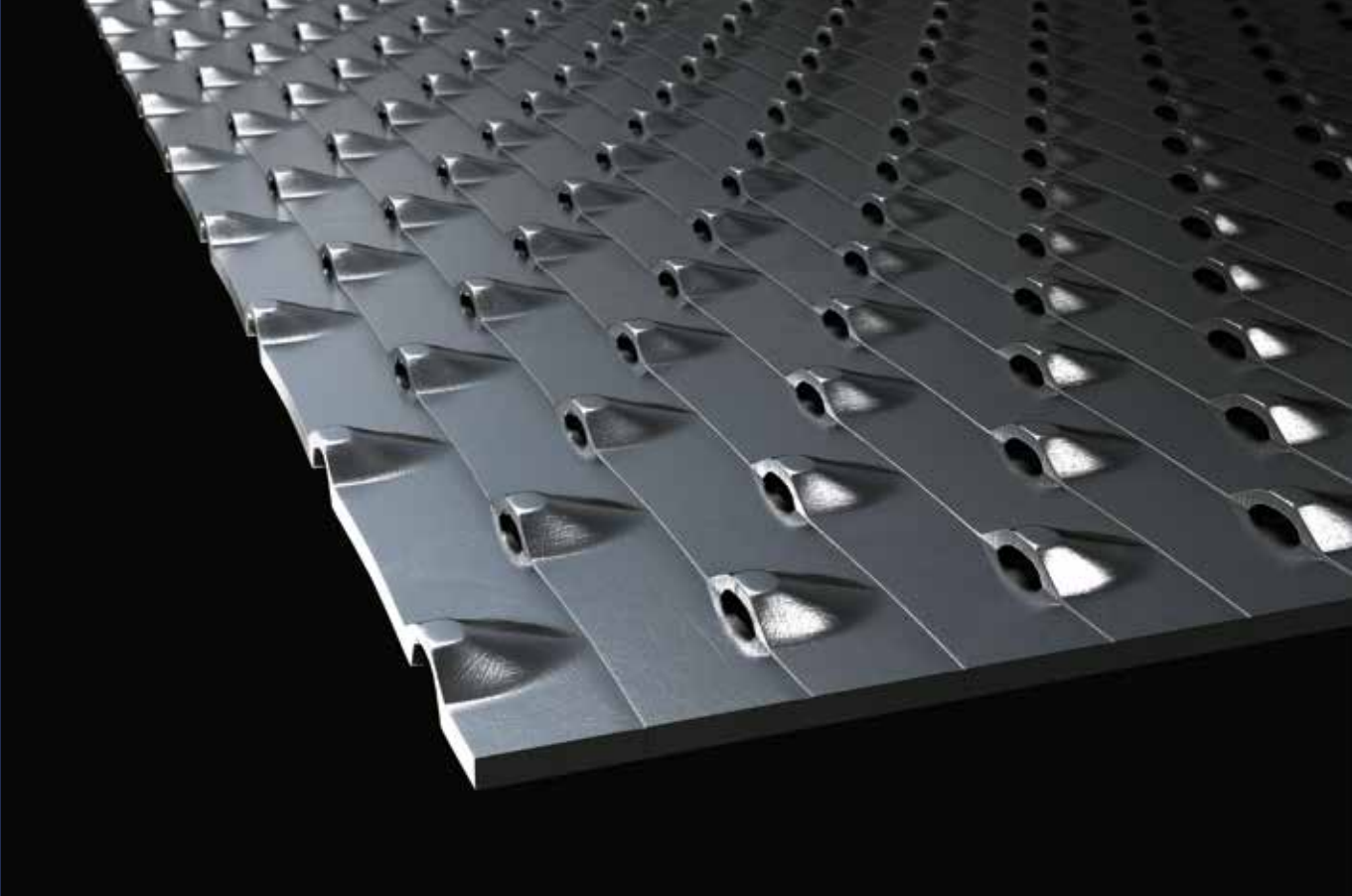


CONIDUR® - THE PLATE FOR PROCESS ENGINEERS

The perforated plate from HEIN, LEHMANN



CONIDUR®

The exceptional perforated plate

Our specially developed manufacturing process enables the finest perforations in the initial sheet thicknesses, which can be many times the hole opening.

The perforations of CONIDUR® perforated plates are triangular to semi-elliptical in shape, with conical openings sloping in the direction of passage.

Due to the design of the perforation, one side is rough, usually, the side facing the product, whereas the other is smooth.

CONIDUR® perforated plates are work-hardened during production. This gives them increased wear resistance.

We would be happy to develop customised CONIDUR® solutions to match your requirements.

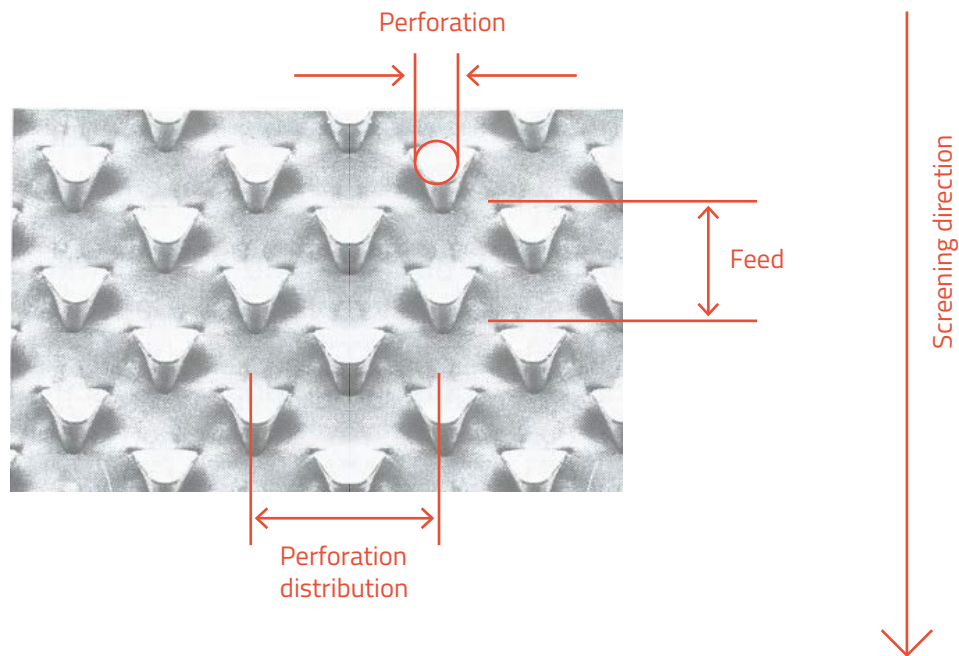
TECHNICAL DETAILS

Material	Initial sheet thickness	Fine perforation	Slotted perforation
Stainless steel	0.20 – 2.5 mm	0.05 – 6.50 mm	0.05 x 1 – 0.9 x 4 mm
Mild steel	0.50 – 3.0 mm	0.10 – 6.50 mm	0.06 x 2 – 1.0 x 4 mm

Depending on the respective initial sheet thickness

WE OFFER YOU THE RIGHT MATERIAL FOR YOUR APPLICATION

Available materials are, for example, 1.0347, 1.4016, 1.4301, 1.4307, 1.4541, 1.4401, 1.4404, 1.4571, 1.4539, 2.4610, 3.7025 and many other materials on request.



Manufacturing parameters – perforation, distribution and feed

FIELDS OF APPLICATION

CONIDUR® in mills



Due to its characteristic hole shape, CONIDUR® is particularly suitable for use in mills, among other things.

BENEFITS:

- High wear resistance due to the cold forming process during production
- Support of the milling process by the rough product side
- The shape of the hole reduces the sticking of the boundary grain
- Less heat generation
- Reduction of operating costs
- Finished molded parts for your mill
- Optional heat treatment to further increase wear resistance

CONIDUR® in centrifuges



CONIDUR® perforated plates are used as working and top screens in continuous and discontinuous centrifuges.

BENEFITS:

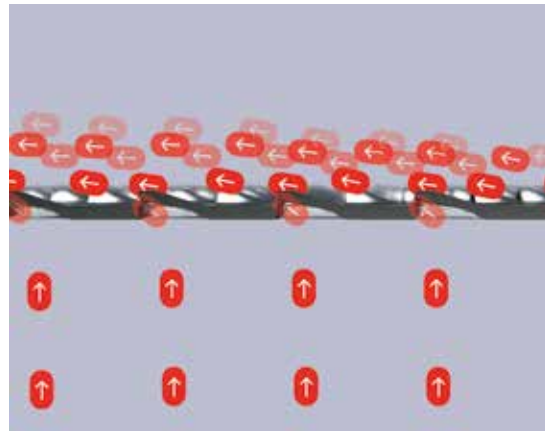
- Increased efficiency in solid/liquid separation due to the conical hole geometry
- Smoothed surface available for sensitive products
- The right screen lining for your centrifuge
- High stability due to production-specific work hardening
- Perforations available in the finest range from 50 µm

AREAS OF APPLICATION

CONIDUR® in fluid bed systems

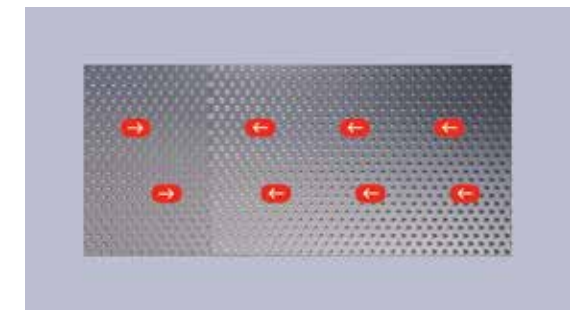
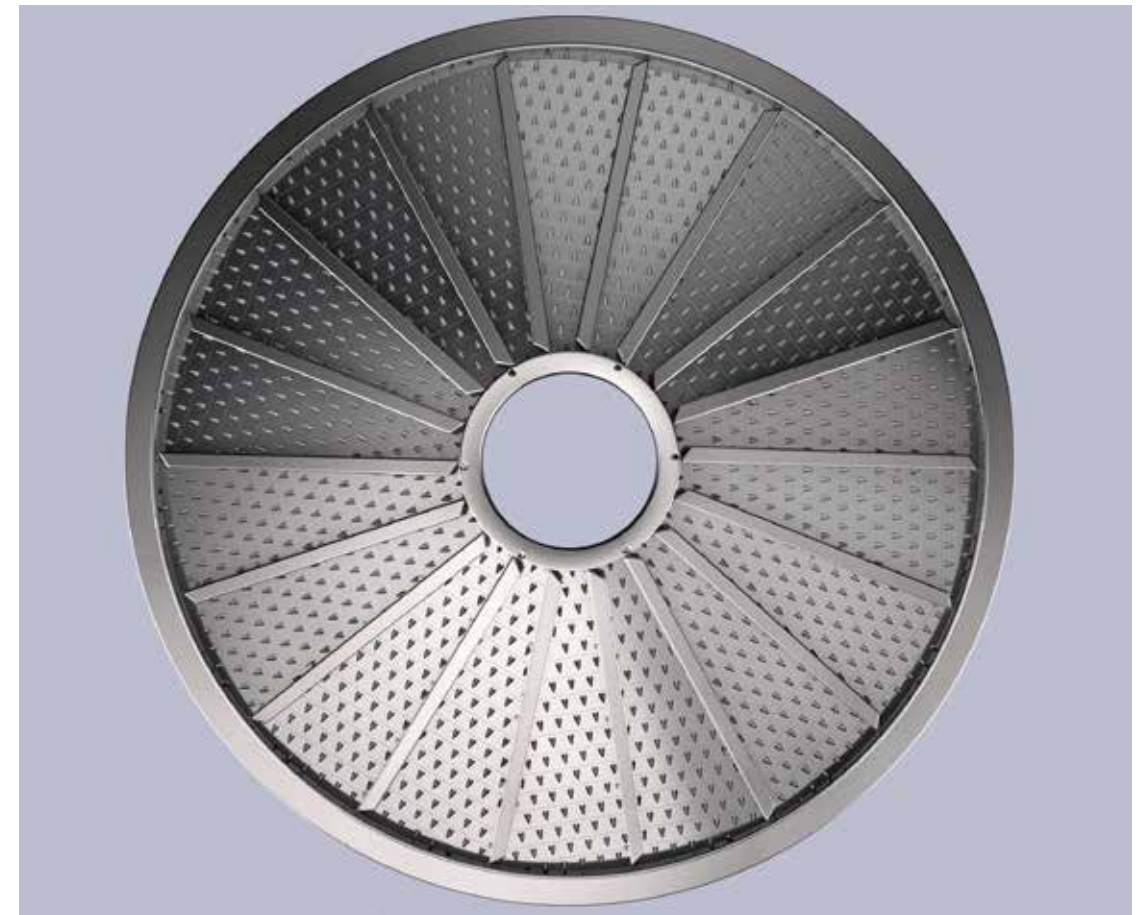
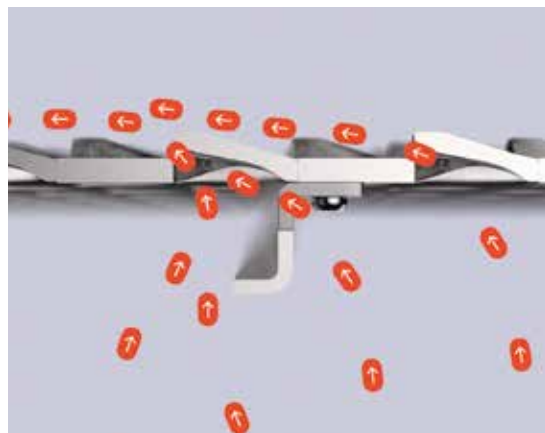
An essential component of a fluidised bed system is the CONIDUR® gas distributor floor.

The bottom, which is specified according to pressure loss, transfers the fluid medium uniformly to the solids without the solids trickling through the porous inflow bottom or clogging it if there is no gas pressure below the bottom.



BENEFITS:

- Individual adjustment of the pressure drop according to your process parameters
- Reliable use even in the high-temperature range
- Stable fluid bed due to even air distribution
- Adjustment of the desired product conveying direction by the specific arrangement of the flow direction
- Complete emptying and easy cleaning of the system
- Optional matching support for increased mechanical load capacity



The direction of flow of the gas above the distributor base can be determined by the different composition of the CONIDUR® perforated plates. Plates with different pressure drops can also be combined. The images show examples of different designs.



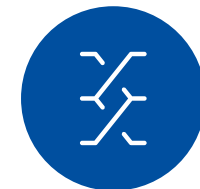
APPLICATION EXAMPLES



GELATINE



COLOURS



ENZYME



CACAO BEANS



ORGANIC ACID



ACTIVE COOLING



PLASTIC

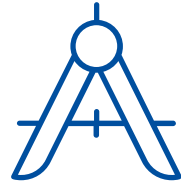


SALTS

HEIN, LEHMANN stands for:



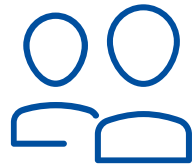
Long-life products



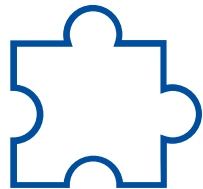
Individual product planning



Comprehensive expert advice



Hand/built by experts



Accuracy of fit in every detail



Customised product manufacturing



Sales follow-up management



Industry-specific solution finding

OUR PROMISE

We have the technical know-how when it comes to processing, separation and conveying technology and screening machines. We are experienced in the production of machines and components for processing and process engineering. Our knowledge is immense, after all, we have acquired it over decades. Against this background, we provide you with comprehensive and targeted advice on your requirements – right from the start.

HEIN, LEHMANN products are tailor-made, manufactured to the precise millimetre and partly hand-built, naturally by our experts. Whether for screening machines, CONIDUR® perforated plates, wedge wire screens, conveyor belts, or raw material screens:

We will find the right solution for every challenge - we promise!

LET'S FACE IT TOGETHER.

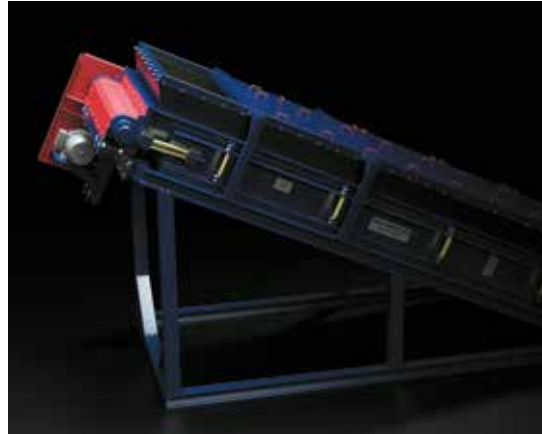
Perhaps you have already noticed that we are proud of what the HEIN, LEHMANN family business has achieved over generations and decades. We are happy about what we are doing today and we look forward to what we will achieve together with you. You can be sure of the fact that employees and products from HEIN, LEHMANN set standards – worldwide.



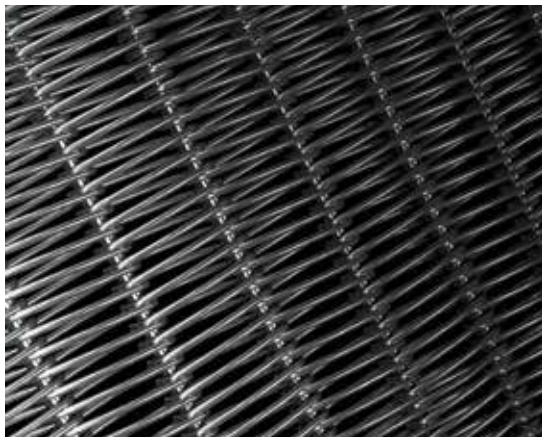
FURTHER PRODUCT GROUPS



WEDGE WIRE SCREENS



SCREENING MACHINES



CONVEYOR BELTS



RAW MATERIAL SCREENS



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