LIWELL® S

THE NEW STANDARD

Screening machines from HEIN, LEHMANN

SCREENING MACHINES

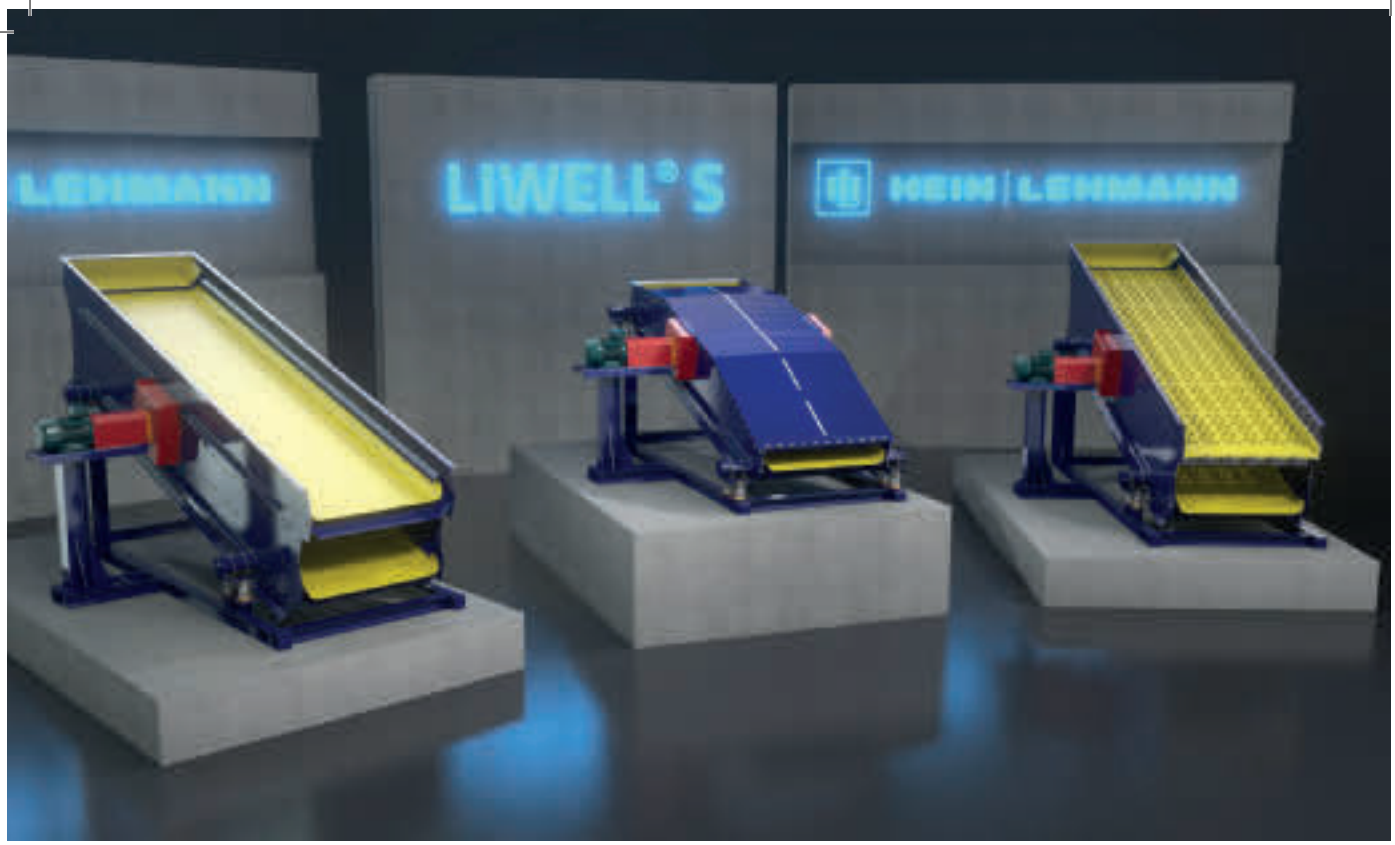
Our passion – Your solution

HEIN, LEHMANN has epitomised intelligent solutions in the screening machine sector since 1950. As a technology leader, we continuously set standards that define current solutions throughout the industry. Perfection paired with years of experience means that customised solutions are found and efficiently implemented for almost every application – worldwide.

HEIN, LEHMANN designed and launched the world's first Spannwell® screening machine around 50 years ago. LIWELL® screening machines of the "LS" and "LSF" series represented the consistent technical development of the first machine generations.

Today's series combine application-orientated and sensible innovations with the experience of over 3,000 screening machines operating with this principle and still define the limits of the screening capacity of various feed materials today.

The names HEIN, LEHMANN and LIWELL® have become synonymous as the market leaders and innovators in this technology. Especially for difficult separation processes, customised solutions enable the highest product quality through permanently sharp screening and classification as well as the lowest costs in terms of energy consumption and maintenance.



PROUD TO PRESENT: LIWELL® S

The newest member of the LIWELL® family

The LIWELL®S is the latest development in the LIWELL® portfolio.

This series is a single shaft screening machine with an unbalance drive, the design of which offers many advantages; ease of maintenance, design simplicity, light weight, low energy usage and high efficiency operation.

The newly developed mat clamping system does away with additional fastening components. An increased crossbeam spacing results in a greater amplitude and better material transport. The number of screening mats is reduced and the screen surface can be changed more quickly.

Individually adjustable cross beam amplitudes allow the transport speed between feed-end and discharge-end, upper and lower decks to be adjusted, optimising performance as required.

The upper deck as a Spannwell® deck is predestined for particularly sticky or difficult-to-screen materials. An upper deck as a protective deck is suitable for coarse feed grains – the full range of screen decks with finger screens, "3D" screen decks, interchangeable systems or wire mesh are available also, if necessary in combinations that will optimise screening in conjunction with a significant and high vibration amplitude.

LIWELL® S

The powerful & economical all-rounder

Variable amplitudes and accelerations enable adaptation to fluctuating task positions: Every second cross beam moves individually – so different amplitudes can be set on each screen deck and in each section and the mat movement can be adapted to the respective feed conditions. By reducing the number of wearing parts, e.g. in the drive components, a cost-effective operation is realised: the direct drive does not require a belt drive or countershaft bearings!

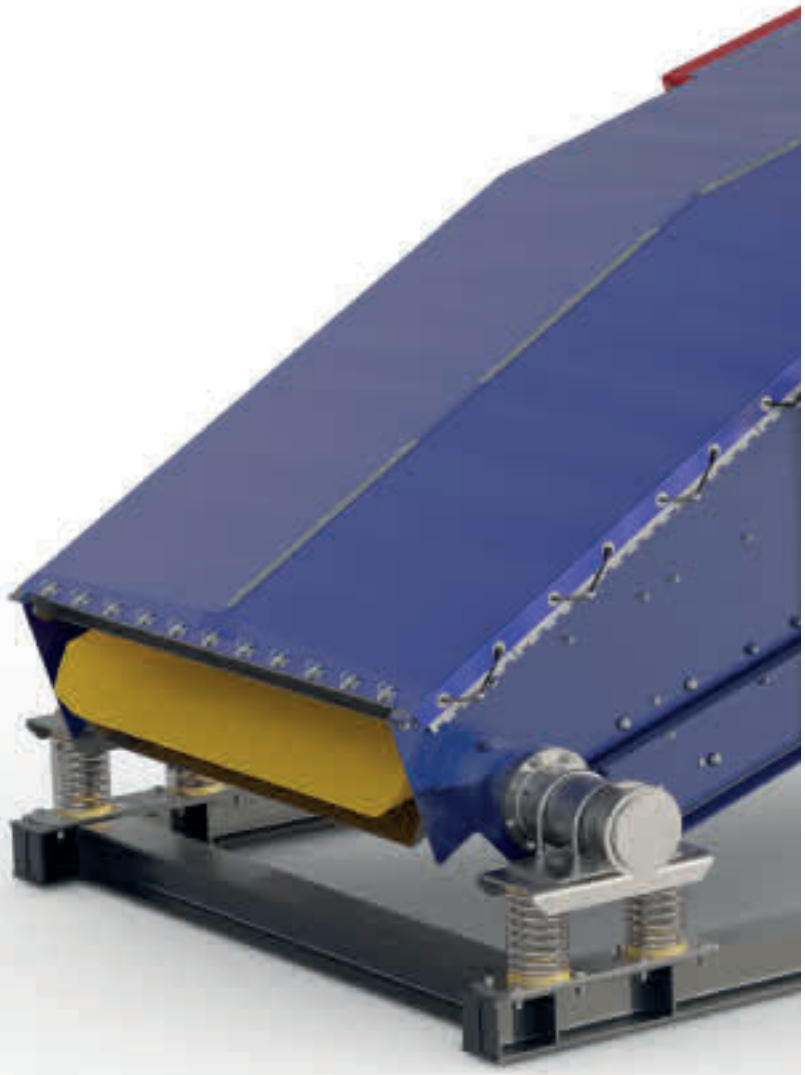
The optimised machine weight allows small motor sizes and consequently leads to low energy consumption and connected loads.

The optimised side panel stability through the reduction or elimination of openings around the dynamic rubber units, results in optimum dust protection for critical applications.

THE LIWELL® S

One machine – many advantages

- Cost-effective design
- Direct drive
- Internal cross-member connection
- Optimum / customisable amplitudes
- Profiled mat clamping
- Variable movements
- High energy efficiency



LIWELL® S

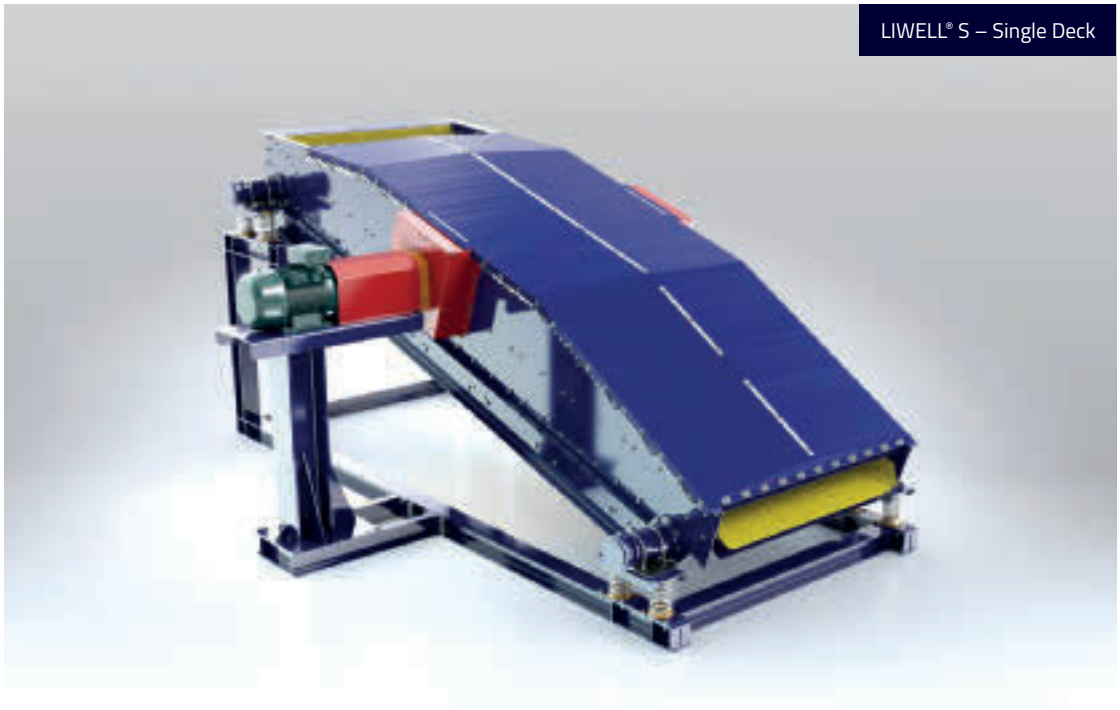
Many applications – ONE all-rounder

- Processing of construction waste and mixed construction waste
- Screening of natural sand and crushed sand
- Sorting of lightweight packaging and plastic fractions
- Separation of waste wood, wood chips and organic fractions such as compost
- Screening of waste incineration ashes (IBA & FBA)
- Classification of fuels such as coal and coke for further processing
- Preparation of ores for further process steps
- And much more.







LIWELL® S

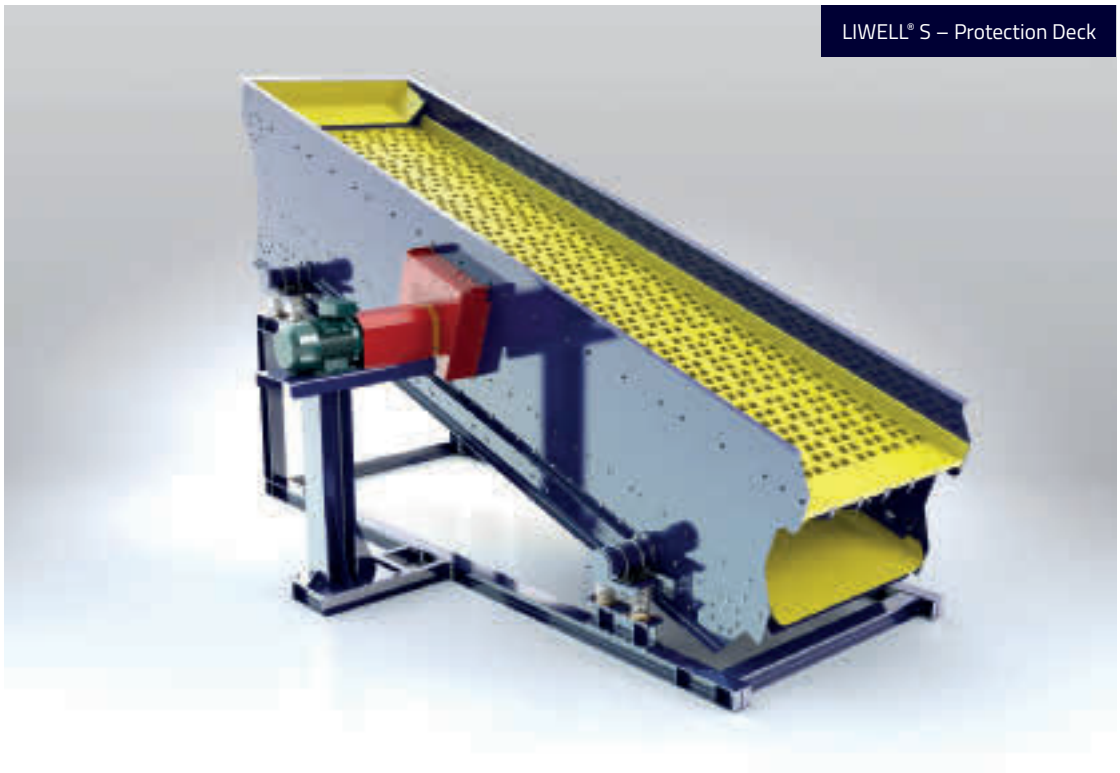
Building types

SINGLE DECK
Single deck screening machines for the separation of sticky and difficult-to-screen bulk materials, in the recycling industry and many other applications.

DOUBLE DECK
Double-deck screening machines for multiple fine separations of sticky and difficult-to-screen materials.

PROTECTION DECK
Protection deck screening machines for the combination of large and fine separations as well as tasks involving coarse materials.

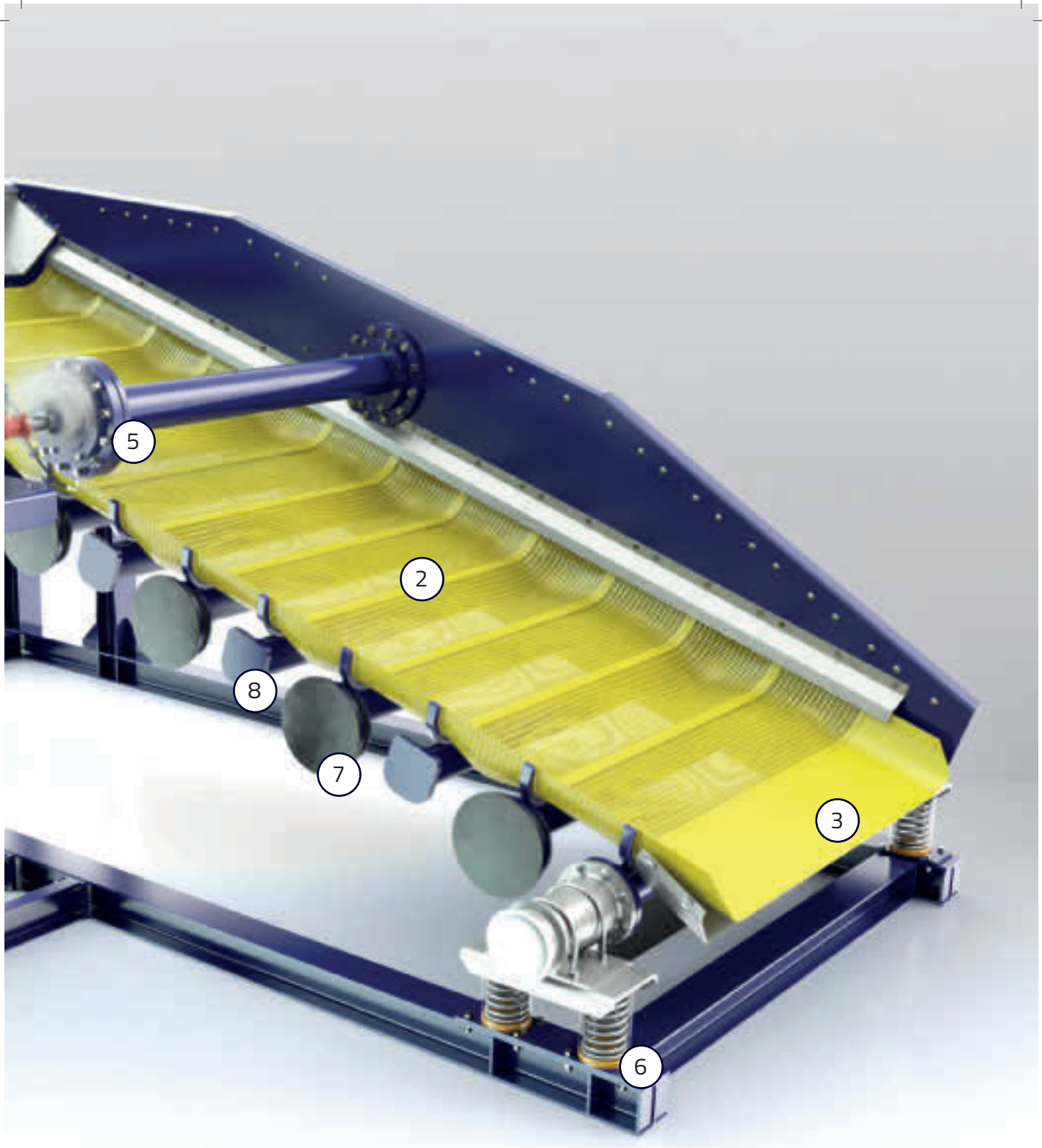
LIWELL® S – Double Deck



LIWELL® S – Protection Deck

LIWELL® S OVERVIEW

1. Material feed point
2. Screening area
3. Material discharge: Oversize/Undersize
4. Efficient direct drive
5. Unbalanced shaft mechanism
6. Spring mounted
7. Rubber-mounted dynamic cross-member system II
8. Fixed cross member system I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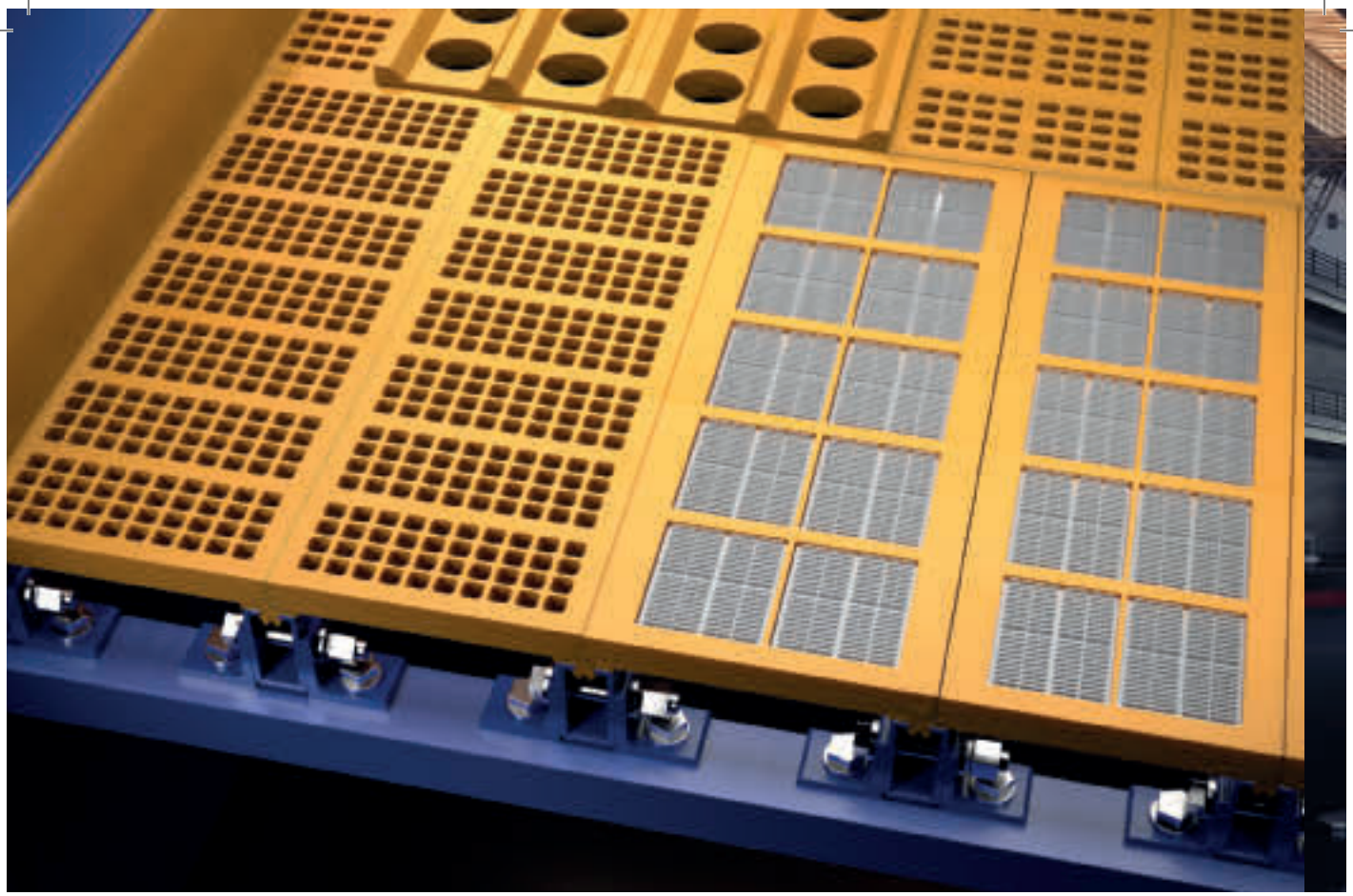
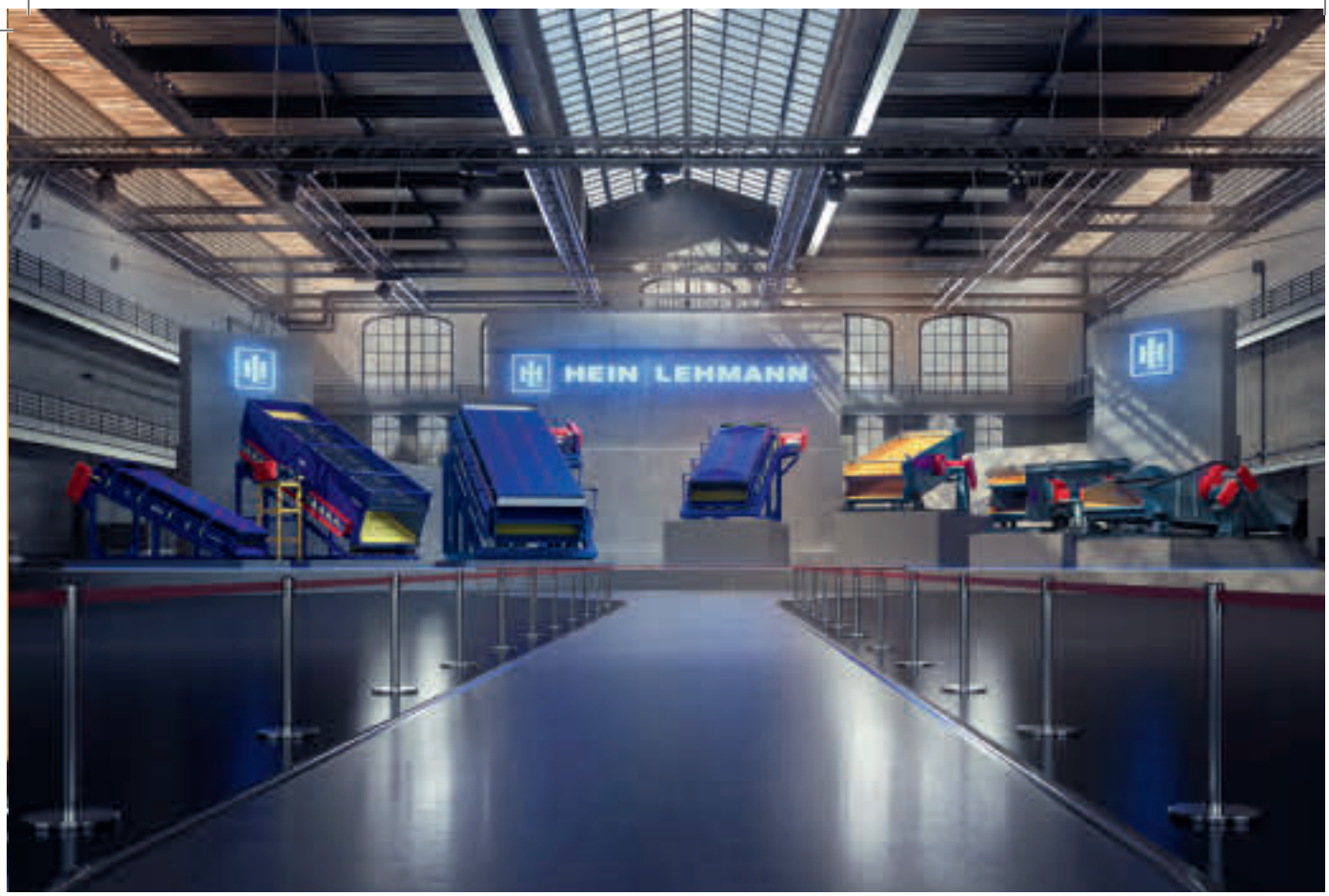


OPTIONS

Customised and application-specific machine designs offer optimum adaptation to the task at hand:

- Customised wear protection components to extend the service life
- Dust protection components reduce emissions
- Variable screen panel designs, e.g. interchangeable systems in the protection deck, 3D screen panels and wire mesh are freely configurable and available in a wide range of hole sizes, shapes and orientations.



UNSER PROGRAMM

100 % Made in Germany

- LIWELL® S – der neue Standard
- LIWELL® LF – wenn es schwierig wird
- LIWELL® LL – wenn es staubt
- HEIN, LEHMANN Kreisschwinger
- HEIN, LEHMANN Linearschwinger

OUR PROMISE

We have the specialist expertise in processing technology, separation and conveyor technology and are experienced in the production of machines and components for processing and process engineering. Our knowledge is based on extensive experience gained meeting and exceeding customer expectations for over 50 years. Against this background, we provide you with comprehensive and targeted advice on your requirements – right from the start.

HEIN, LEHMANN products are customised, manufactured with the utmost precision, handmade by our experienced engineers. Whether for screening machines, CONIDUR® perforated plates, slotted screens, conveyor belts and basic material screens:

We Promise to find the right solution for all your process challenges!

HEIN, LEHMANN stands for:

Comprehensive specialist advice

Finding industry-specific solutions

Customised product planning

Customised product manufacturing

Accurate fit down to the last detail

Handcrafted by experts

Long-life products

Sales follow-up management

LET'S TACKLE YOUR PROJECT TOGETHER

Perhaps you have already noticed: We are proud of what the HEIN LEHMANN family business has achieved over generations, we take great pride in our work and what we are doing today – and are excited about what we can achieve together.

The employees and products of HEIN, LEHMANN set standards – worldwide.

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