



**➤ INNOVATIVE CONVEYOR  
TECHNOLOGY  
IN MODULAR DESIGN.**



# ➤ INNOVATIVE CONVEYOR TECHNOLOGY **DRIVEN BY PASSION.**



Since 1995, VHV Anlagenbau GmbH has been synonymous with tailor-made conveyor technology of the highest quality.

As a medium-sized family business based in Germany, we develop, design, and manufacture innovative solutions for material transport. Our systems are individually tailor-made to the requirements of our customers worldwide from a wide range of industries.



Our core competence lies in the planning and implementation of modular belt conveyor systems and their consistent further development, e.g. in the form of our patented steep conveyor technology or our innovative receiving solutions. With decades of experience, state-of-the-art 3D laser scanning technology and our own technical center for research and development, we set new standards in efficiency, flexibility and reliability. Our systems have proven themselves in the ceramics industry, in foundries, concrete plants, gravel pits, recycling and many other areas.

We see ourselves as partners to our customers: from initial consultation and precise planning to manufacturing, assembly and commissioning, we offer everything from a single source.

Our dedicated team of highly qualified specialists ensures smooth implementation and comprehensive service worldwide.

Quality, sustainability and responsibility are values we live by. We continuously invest in the further training of our employees, in modern production facilities and in sustainable production processes. Certified according to DIN EN ISO 9001, we adhere to the highest standards in all areas of our company.

VHV Anlagenbau – your reliable partner for innovative conveyor technology. Trust in our expertise, experience and passion for technology.





**Expert advice and planning:** From the initial idea to the finished system, we support you with our many years of experience, modern 3D laser scanning technology and individual project management – for maximum efficiency and transparency in every phase of the project.



**In-house production:** With an extensive range of machinery and a high degree of vertical integration, we offer quality, flexibility, and fast implementation – from CNC turning, laser cutting, and bending to welding and vulcanization.



**Installation & commissioning:** Our experienced installation team ensures professional installation and training of your staff worldwide – for a smooth start.



**Cross-industry solutions:** Whether brick plants, foundries, quarries, gravel pits, concrete plants, recycling or chemical plants – we supply tailor-made conveyor technology for a wide range of industries and requirements.

# ➤ **ADDED VALUE.**



**Modular system design:** Our precise and flexible system components enable tailor-made solutions and optimal adaptation to your requirements – even in complex installation situations or existing plants.

**Innovative technologies:** Continuous development, in-house research and a technical center for material testing ensure you to receive sustainable and tested solutions.



**Service & spare parts:** We offer comprehensive maintenance, needs analysis, and a fast spare parts service to ensure that your systems remain reliably operational at all times.

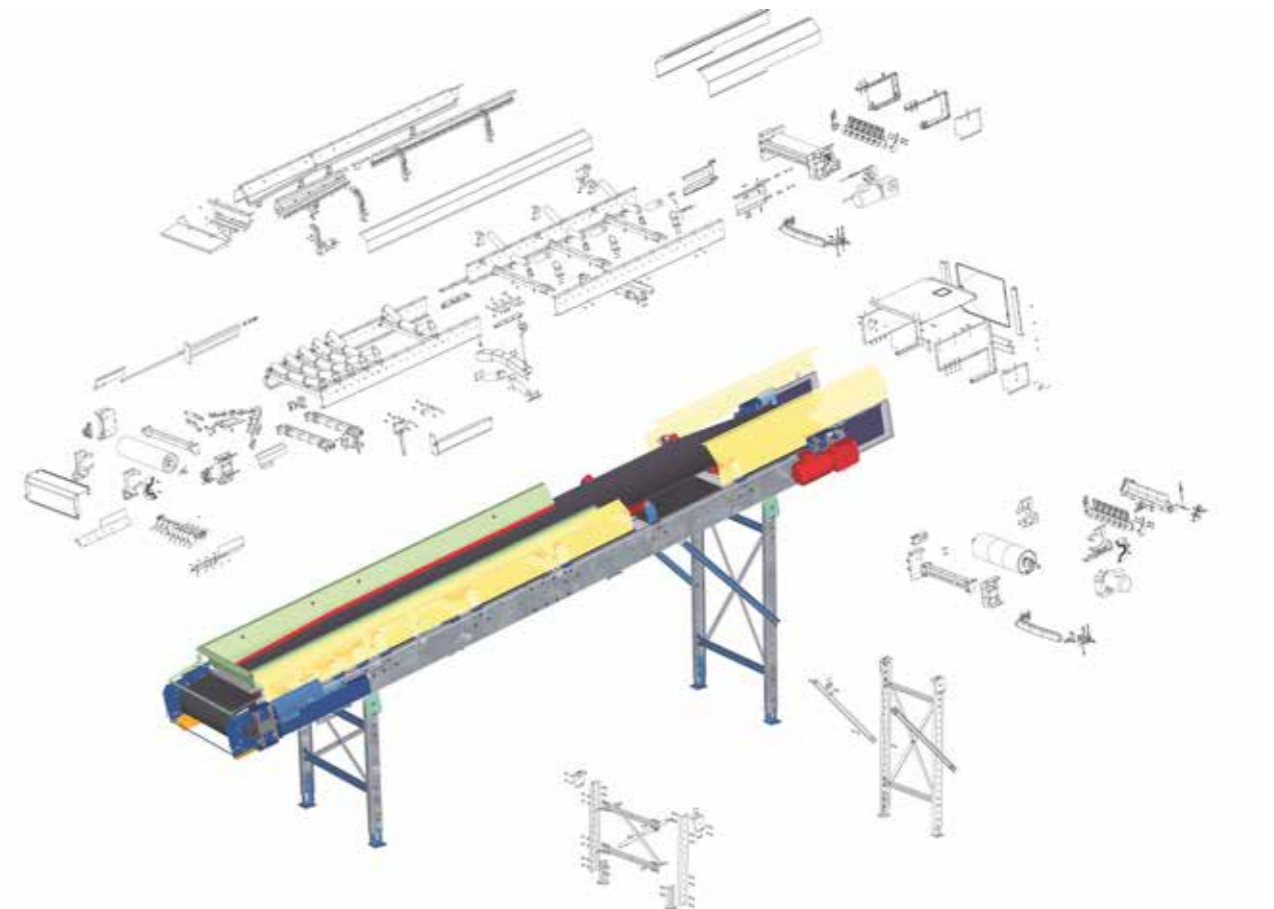
**Sustainable in production and partnership:** It goes without saying that we operate strictly according to efficiency, resource conservation, and occupational safety standards. We are DIN EN ISO 9001 certified. We focus on close cooperation, honest communication, and customized support – for a successful and long-term partnership.





# ➤ BELT CONVEYOR.

Rotate, move, and swivel. Distribute, dose, and weigh. Thanks to our sophisticated modular design, our belt conveyors offer maximum flexibility for a wide range of requirements and offer plenty of advantages, even in difficult space conditions.



**The smart solution:  
our modular design.**

- Optimal use of space in your plant
- Flexible for later changes / expansions
- Support positions can be adjusted
- Quick and easy to learn assembly
- Identical spare parts and compatible with standard components
- Generous dimensions ensure long-lasting operation

**Numerous detailed solutions  
that make your work easier:**

- Clean and low maintenance
- Quick repair and adjustment options
- Durable components already included in the original equipment
- Convenient maintenance options
- Modular strategy simplifies spare parts management and maintenance
- Space-saving design for demanding environments
- Comprehensive documentation

**Technical specifications:**

- Belt widths from 400 to 5200 mm cover a wide range of applications
- High dimensional accuracy thanks to NC manufacturing facilitates assembly
- Flexible layout of the line thanks to versatile combination options
- Various customization and add-on options
- Flexibility despite standardized product range



All info  
also online.



# ➤ STEEP INCLINE CONVEYORS.

Our steep incline conveyor technology saves where it counts: space! This means we can offer a reliable solution for safe material transport even in difficult installation situations.

We have developed the VHV cover belt conveyor and VHV double belt conveyor as patented technology. Both systems offer a wide range of possibilities and advantages.



All info also online.



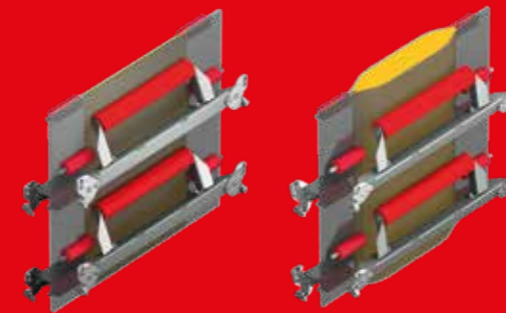
## ➤ COVER BELT CONVEYOR

Flexibility made by VHV:  
Thanks to the modular design, our steep incline conveyors can be adapted and expanded to meet a wide range of requirements.

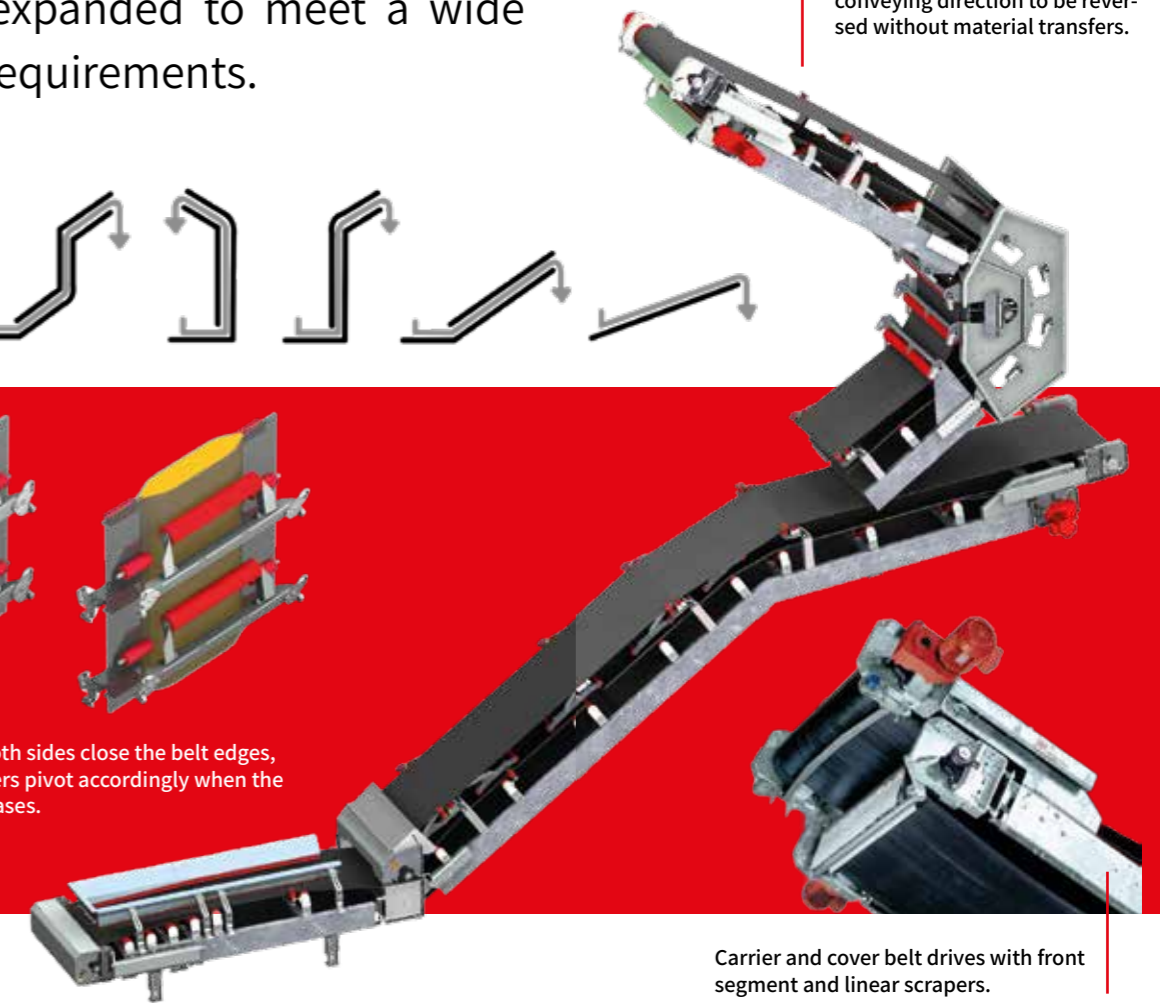


All info  
also online.

Cover belt conveyor:  
The vertical return enables the conveying direction to be reversed without material transfers.



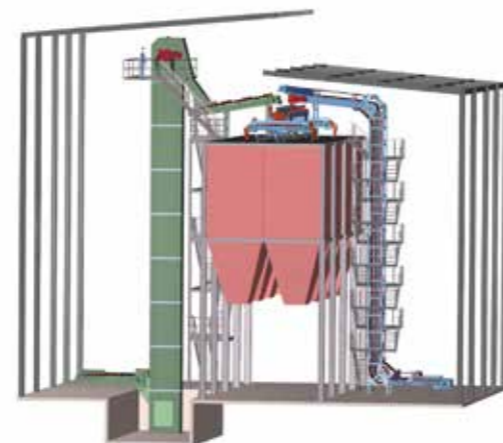
Sealing idlers on both sides close the belt edges, while pressure rollers pivot accordingly when the material flow increases.



Carrier and cover belt drives with front segment and linear scrapers.

## ➤ DOUBLE BELT CONVEYOR

A VHV double belt conveyor replaces: feeding belt, bucket elevator, transfer belt, stair tower, basement recess and roof extension. It also offers numerous further advantages.



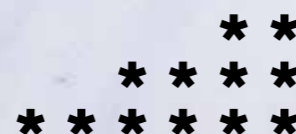
- **Clean:** Thanks to scrapers on smooth belts
- **Unmixed:** As no material deposits are possible
- **Space-saving:** No additional transfers, basements or roof structures
- **Continuous:** As there is no surge emptying by buckets or pockets
- **Low wear:** As the conveyed material is placed on the belt and does not have to be dug

- **Low follow-up costs:** Because standard smooth belts are used and neither buckets nor bags are required
- **Flexible layout of the line:** Because line routing can be designed in a wide variety of shapes
- **Modular expandability:** VHV double and cover belt conveyors are modularly expandable



# ➤ DOSING AND WEIGHING TECHNOLOGY.

Continuous or batch discharge of bulk materials: From the smallest dosing belt conveyor to slides and flaps to heavy discharge belt conveyor or box feeders – discover the advantages of our technology.



## ➤ DOSING BELT CONVEYOR



- Galvanized, compact system design
- Scraper systems tailored to the application
- Sliding gates as spindle or shut-off gates
- Height-adjustable layer slides
- Various linings
- Maintenance-friendly: VHV modular design with clamping set fastening of the drum shafts
- Slip-on gear motors

### VHV weighing technology as an option:

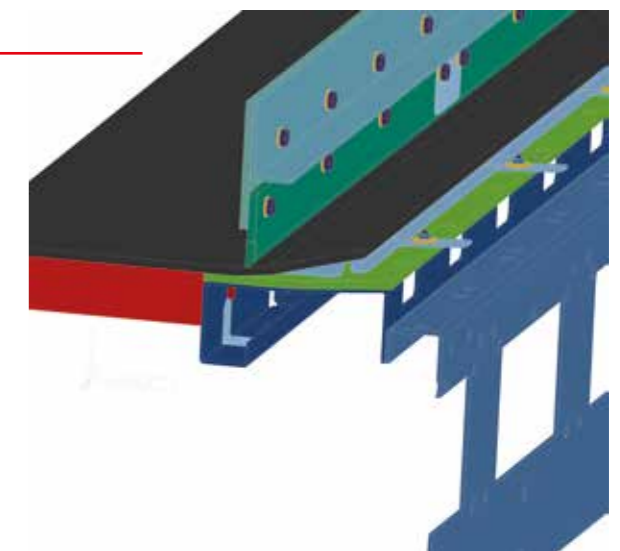
- Accurate weight recording of the conveyor output thanks to built-in weighing technology
- Dosing accuracy through precise weighing of the conveyor output
- Belt scale control
- Dosing belt scales, built-in belt scales, batch weighing (static, continuous, calibratable)

### Clever detail: VHV dynamic belt sealing (DBS) for dosing and discharge belt conveyors

- Maximum cleanliness
- Minimal wear
- Maintenance-friendly design



All info also online.





## WEIGHING BELT CONVEYOR

- Accurate weight measurement thanks to built-in weighing technology
- Batch sizes from 100 kg to over 15 t
- Customized conveyor capacities from a few m<sup>3</sup>/h to over 1000 m<sup>3</sup>/h possible
- Hopper dimensions, discharge rates, and accessories, e.g., linings, are customized for the specific application
- Suspended or standing support possible



All info also online.



## BOX FEEDERS AND DISCHARGE BELT CONVEYOR

- Segment-wise bolted hopper constructions eliminate the need for complex welded constructions
- Hopper dimensions, side inclinations, and discharge layer thicknesses are designed specifically for each product
- Conveyor capacities can be adjusted by changing the speed and layer thickness
- Reasonable dimensioned drives
- Additional equipment such as reel shafts, linings, hinged covers and grate covers are included in our product range

Truck receiving hopper with drive-on grate and approach wedge.

Three possible hopper covers: Can be moved sideways or backwards, as well as opened upwards.

Removable bars allow access to the lining.



# FLATFEEDER.



Receive, buffer and dose at floor level: The VHV FlatFeeder does not require a basement and is therefore particularly economical, quick to obtain approval and easy to install. In addition, it is easily accessible and can be maintained and cleaned at floor level.

- **Smart investment:** Economical solution without a basement, quick to obtain a permit and install.
- **Clear advantage:** Always the right conveying capacity from 40 to over 400 m<sup>3</sup>/h.
- **Excellent convenience:** Easy to access, maintain and clean from above ground.
- No basement, just a height offset of only 1.50 m
- Convenient entrance, stable approach ramp
- Vibration pulses on the drive-over slatted grates loosen adhering material residues, thus ensuring almost pure feeding

- Feeder attachment with a capacity of approx. 23 m<sup>3</sup>
- Almost pure dosing even with frequent material changes
- Quick installation thanks to prefabricated components
- All parts are easily accessible for uncomplicated maintenance
- A tapered attachment funnel allows trucks to easily drive over the partially drive-over slatted grates.

#### Also good to know:

- Ideal combination: FlatFeeder and steep incline conveyor from VHV
- Quiet and low-wear belt conveyor technology
- Configurator for designing your system
- Service beyond the product

- Suitable for loading with excavators or cranes
- Flexible use, also for unloading ships
- The future market of building material recycling – the VHV FlatFeeder scores here too!



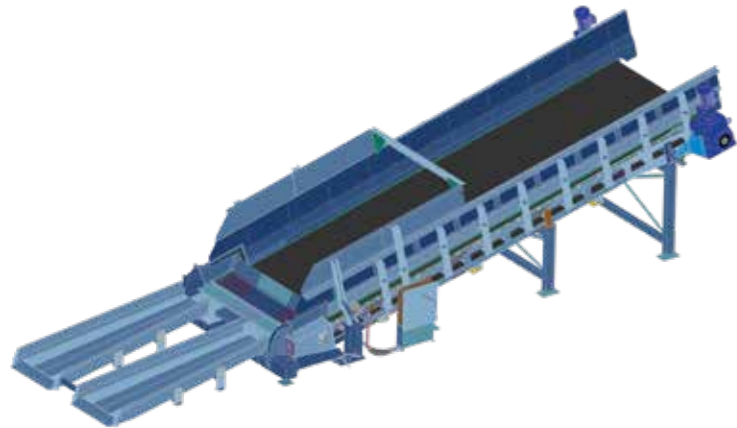
All info also online.





# ➤ BIGFEEDER.

The BigFeeder is the innovative solution for fast, clean and efficient loading of conveyor systems with bulk material. Thanks to its sophisticated design, it replaces costly pits, fault-prone grates and complicated dosing systems – ensuring a smooth material flow with minimal maintenance.



### Technical highlights

- Belt width: 3,000 mm
- Incline: 13° – ideal for a wide variety of bulk materials
- Conveyor capacity: 80–2,000 m<sup>3</sup>/h (speed-controlled by frequency converter)
- Discharge time after dumping approx. 35 sec per 23 m<sup>3</sup> truck
- Drive by 2 gear motors, controlled by frequency converter
- Center distance: 10,000 mm
- Hydrodynamic belt tension for smooth running and high durability

### The advantages at a glance

- Direct loading without intermediate stages: no grates prone to clogging or disruptive layer height sliders
- Maximum operational reliability thanks to the dynamic belt sealing (DBS) system: tight, robust, and low-maintenance
- Space-saving and flexible: no pits required, easy integration.
- Economical and easy to maintain: uniform wear parts, low operating costs
- Versatile variants: with hydraulic folding ramp or with ramp extension

### Well-designed process: from loading to discharge

The truck reverses onto the BigFeeder, dumps the material and unloads it safely onto the conveyor belt. Sensors measure the layer height and automatically regulate the belt speed. This ensures uniform feeding of downstream systems. Optionally, an integrated weighing function enables precise recording of the entire truck load.

### Ideal for demanding material flows

The BigFeeder is the perfect solution for companies that value reliability, speed, and cost-effectiveness, e.g., in recycling plants, building material factories, quarries or in the energy and waste disposal industry. With the BigFeeder, you are investing in modern conveyor technology that redefines efficiency. Ease of use – robust, safe, and durable.



All info also online.



All info also online.

# ➤ STEELWORK & SHEET METAL CONSTRUCTIONS.

Everything from a single source: simply transfer responsibility for the overall planning to us.

- We take care of integrating all machines into the system steelwork constructions
- Fewer sources of error by avoiding interfaces
- Relief for your own project management
- Legal certainty through optional structural analyses and DIN EN 1090 EXC 3 certification
- Low manufacturing deviations thanks to CNC profile plasma cutter and fiber laser guarantee smooth assembly processes
- Welding company certified according to DIN EN ISO 3834-2
- Certified for the design and execution of steel structures up to EXC3 according to DIN EN 1090





## ➤ POLYGONAL SCREENS.

With the VHV polygonal screen, we offer a solution in VHV modular design for the effective screening and removal of lumps in the processing of used sand from foundries.

### The advantages at a glance

- No shaft in the inlet
- Same screen mesh throughout the entire machine
- Cooling from below
- Modular machine sizes for conveying capacities from 10m<sup>3</sup>/h to over 300m<sup>3</sup>/h

### In detail

- Different sizes, also for your application
- Initial cooling of your used sand through intelligent air flow
- Best sand quality through the use of a wide variety of screen linings
- Low spare parts inventory due to uniform size of the screen linings
- Largest possible inlet cross-section ensures high process reliability thanks to the elimination of the central shaft in the inlet area
- Easy accessibility and optimal view into the machine thanks to large maintenance flaps

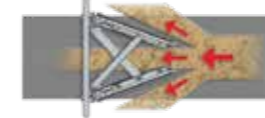
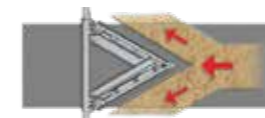


All info also online.



## ➤ PLOW SCRAPERS.

Material discharge in the upper section: The VHV plow scraper as a V-plow or as a diagonal plow for lateral discharge of conveyed material as one of our solutions for innovative conveyor technology.



- The blade tip divides the material flow without creating a bow wave. Sliding surfaces are coated, shafts and covers for dust extraction can be opened
- Pneumatically opening stainless steel plow blades enable material discharge on both sides.
- Customized design for optimal sealing to the belt
- Diagonal scrapers act on one side and are traversable



Adjustment options for discharging material, also electrically adjustable in width.



All info also online.



# MODULAR ACCESSORIES.



All info also online.



Front segment scraper



Linear scraper



Inner belt cleaner



Synchro material distributor



Rain cover



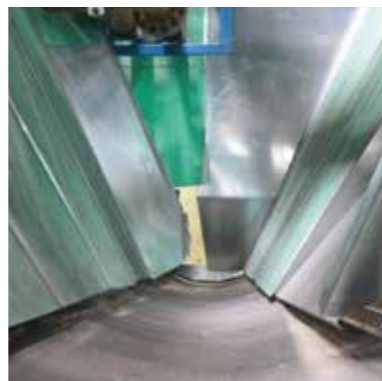
Walkway



Metal detector



Magnetic separator



Spillage sand chutes



# AFTER SALES: A PARTNERSHIP THAT LASTS.

Reliable service throughout the entire life cycle.

At VHV Anlagenbau, a project does not end with commissioning. Our after-sales service stands for long-term partnership, maximum plant availability, and sustainable process reliability. With customized service concepts, fast response times, and in-depth technical expertise, we support our customers throughout the entire life cycle of their plants.

Whether maintenance, repair, optimization, or modernization – we ensure that your systems operate efficiently, reliably and with future-proof technology. A powerful spare parts management system with high availability and short delivery times ensures the rapid supply of original and quality spare parts. This enables us to minimize downtime and guarantee the smooth operation of your systems.



All info also online.





# REFERENCES.



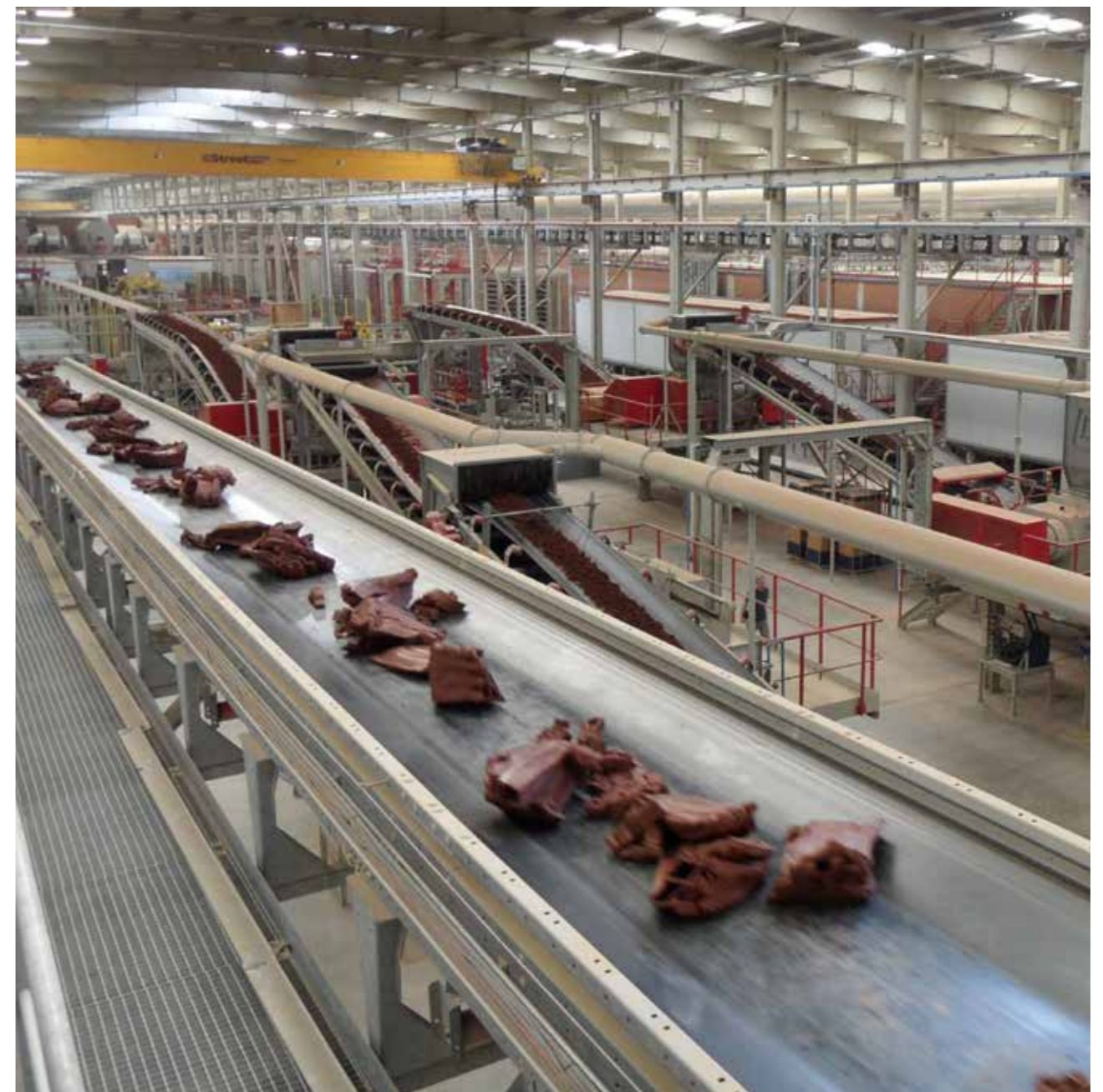
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# ➤ TAKING RESPONSIBILITY. SHAPING THE FUTURE.

At VHV Anlagenbau, we see quality and sustainability as a holistic approach that goes far beyond our products.

Our DIN EN ISO 9001-certified quality management system and our excellent occupational safety management system, which has been awarded by the professional association, are expressions of our uncompromising commitment to the highest standards in all areas of our business.

We continuously invest in modern workplaces, safe working conditions and individual development opportunities for our team. Compliance with strict safety and health standards is just as much a matter of course for us as regular improvements for our employees. With targeted training courses, our own training workshop and an continuous improvement management, we promote innovation, motivation and a sense of responsibility at all levels.



Our social commitment is particularly evident in our close partnership with local sports clubs and educational institutions. Through regular donations and joint campaigns, we not only support grassroots sports, but also create direct encounters between business and society. During visits to our company, sport teams and school classes gain exciting insights into the world of work and our high quality and safety standards. In this way, we enable young people to find their direction at an early stage, gain work experience, and start their careers. This enables us to provide young people with early guidance, internships and entry into qualified training programs.

We are convinced that sustainable success arises where economic performance, social responsibility, consistent occupational safety and active quality management start. That is why we are shaping our future together with all stakeholders, in particular with our employees, our partners and the region.





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