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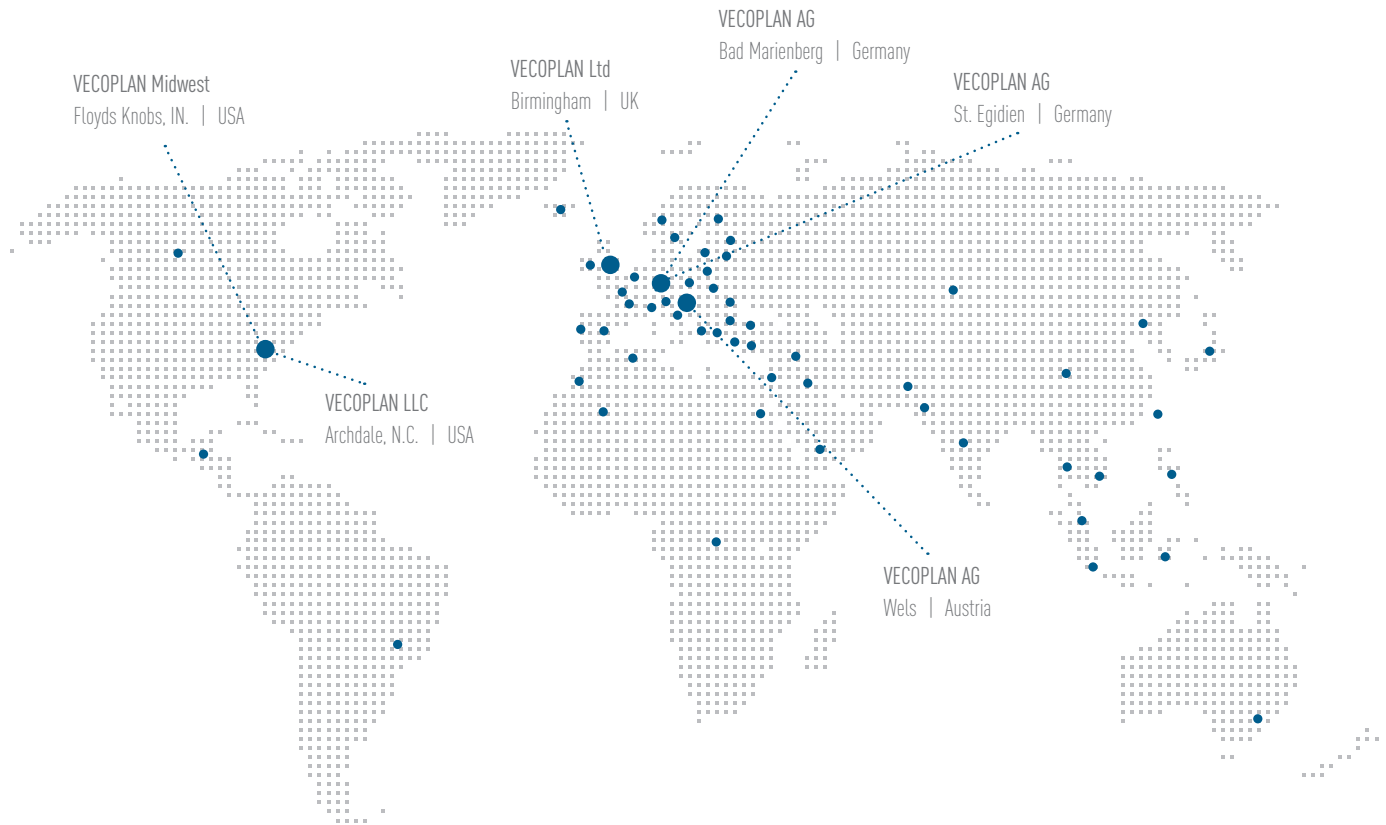


TECHNOLOGY
FOR A SUSTAINABLE TOMORROW

COLOR YOUR WORLD WITH VECOPLAN SOLUTIONS



VECOPLAN INTERNATIONAL



VECOPLAN – FOR THE PROTECTION OF THE ENVIRONMENT

Shredding

Conveying

Screening

Separating

Storing

Dosing

Waste prevention is one of today's most pressing tasks and challenges. Careful use of finite resources, reasonable recycling, environment-driven thinking and sustainable acting become more important every day. Our company has been tackling these challenges successfully for more than 40 years – today, we are a leading partner of the international wood and recycling industries with numerous branches and selling agencies all over the world.

VECOPLAN AG develops, produces and sells technologically superior plants and machines for shredding, conveying and processing primary and secondary raw materials gained in recycling processes. Continuous research and develop-

ment as well as in-house-production give our customers a competitive edge in technology. Our results are convincing: numerous patents are proof of our knowledge. In order to meet our set objectives of technological leadership and high quality, we have focused our business activities on our key competences. Our service division is a supplement to this structure. We accompany our customers all the way: from integrated engineering over production, delivery, assembly and commissioning to the maintenance of the complete plant. Thus, VECOPLAN AG delivers everything from the single machine to the complete plant, according to our customers' demand, meeting highest standards of quality and sustainability.

OUR MARKETS. OUR EXPERTISE. YOUR SUCCESS.

WOOD – THE RESOURCE WITH A FUTURE



The material recycling apart, energetic use of wood as a renewable source of energy is becoming more and more important. This is only feasible through effective shredding of the input materials for further processing.

Additionally, treatment technologies which meet the demands of cleanness and determinate the output size are necessary. Since many years, VECOPLAN AG is your competent partner in these areas. Our business activities from engineering to commissioning include the entire systems technology. Together with our customers, we configure bunker-, conveyor- and storage technologies according to their individual needs. In the areas of wood preparation, large shredding compounds, biomass heating power plants, saw mills, old timber recycling and pelleting plants, our customers use our expertise in complex systems. Producers of timber products and furniture rely on our machines "Made in Germany" for their production lines.



BIOMASS & PELLETING – LIBERATING UNTAPPED ENERGY



Biomass is one of the most attractive resources for generating sustainable energy. It is a gigantic, renewable reservoir of energy and thus a market of the future. We support this market with highly innovative technologies. VECOPLAN AG supplies components and systems for the material discharge, shredding, transport, separation, contaminant segregation, dosing and storage. Our customers can count on VECOPLAN's complete solutions. One of VECOPLAN AG's strengths' is our experience in solutions for the wood industry that are both future-proof and technologically advanced.

Be it log wood, saw dust, old timber or chips – we provide the right solution for any preparation process. We stand for an optimal cost-value-ratio where production of premium and high quality pellets is concerned.

ALTERNATIVE FUELS – WASTE-TO-ENERGY



Alternative fuels are becoming increasingly more popular – for a good reason. For one, they serve as fractions of high heating value for energetic use as outlined in national and international laws. Furthermore, they substitute scarce and expensive fossil fuels, and that not only in energy-intensive industries.

To produce alternative fuels, fractions of high heating value recovered from domestic waste, bulky waste, commercial waste as well as remains from recycling processes and industrial waste are used. Particular attention is paid to the carefully separated light fraction, which yields the major part of the overall heating value. Its characteristic as two-dimensional carrier and the low absorption of humidity determine the quality of the final alternative fuel. The essential specific material characteristics of the alternative fuel are decisive for the plant's layout and the functionality of the applied technical solutions.

DOMESTIC AND COMMERCIAL WASTE – CREATING VALUE FROM WASTE



Waste supplies valuable resources and reclaimable energy – because of this, the fields of domestic and commercial waste certainly promise the highest development potential worldwide. VECOPLAN AG offers many years of experience and is a globally present, reliable partner when it comes to providing solutions for the mechanical and biological processing of residual waste. The energetic utilization of fractions of high heating value waste has gained in importance in recent years due to legal regulations and high prices for energy.

By using alternative fuels scarce fossil fuels can be substituted, which leads to cost advantages and also helps to substantially reduce carbon dioxide emissions. We offer you optimal products made according to the highest standards of security and environmental protection. Our competence is requested at engineering and manufacturing up to complex processing lines.

PLASTICS – FOR SOME, IT IS JUST THAT – FOR US, IT IS A RESOURCE



Plastic is environment protection! Conserve resources, save energy. Technical plastics are largely made of crude oil. Due to their technical characteristics, production remains from plastics and sorted plastics are highly suitable for economic recycling.

Our customers use VECOPLAN shredding technology to win homogenous fraction of grain sizes perfectly fitted for recycling purposes from production waste, mixed plastic materials, plastic films, transport containers (IBC) and tubes. We take on the technologically challenging task to shred even the most difficult commodities such as highly tear-resistant synthetic fibres, airbags, big bags, textiles, ropes and laces. Using our own innovative technological developments, e. g. the film and fibre rotor, even these materials are easily shredded.



PAPER – DOCUMENT & FILE DESTRUCTION, 100 % SECURE – 100 % EFFICIENT



Safety and efficiency are an absolute must where the shredding and processing of sensitive documents is concerned. We are aware of the great responsibility – and we have developed our VECOPLAN single shaft shredder series (VAZ), offering machines that do not only meet the highest standards of security, but are also world leaders in terms of efficiency and cost-effectiveness.

Company-based data security departments as well as professional waste management companies – our customers in the fields of paper disposal and data destruction rely on VECOPLAN environment technologies when it comes to the safe and efficient destruction and processing of confidential documents, IT lists, engineering drawings, CDs, DVDs, data carriers, disks, mobile drives and files.

SPECIAL APPLICATIONS – WE EXCEL IN CREATIVE THINKING



With a tailor-made system, almost all materials can be processed cost-effectively and energy-friendly. Thus, we also offer you solutions for materials which are difficult to shred, because we continue working where others give up. Based on modern technologies and highest standards of quality, we also process these raw and waste materials.

We deliver optimal results thanks to our detailed analyses and test series in our technical centre – always in close cooperation with our customers. We gladly take on customer requested specific adaptations of products in the project set-up process and develop order-related solutions for medical waste, cables, aluminium, electronic waste, data carriers, composites, rubber, textiles and also diapers and carpets.

YOUR ORDER
IS OUR
COMMITMENT

YOUR ORDER
IS OUR
COMMITMENT





INTERNATIONAL NETWORK OUR GOAL IS YOUR SATISFACTION

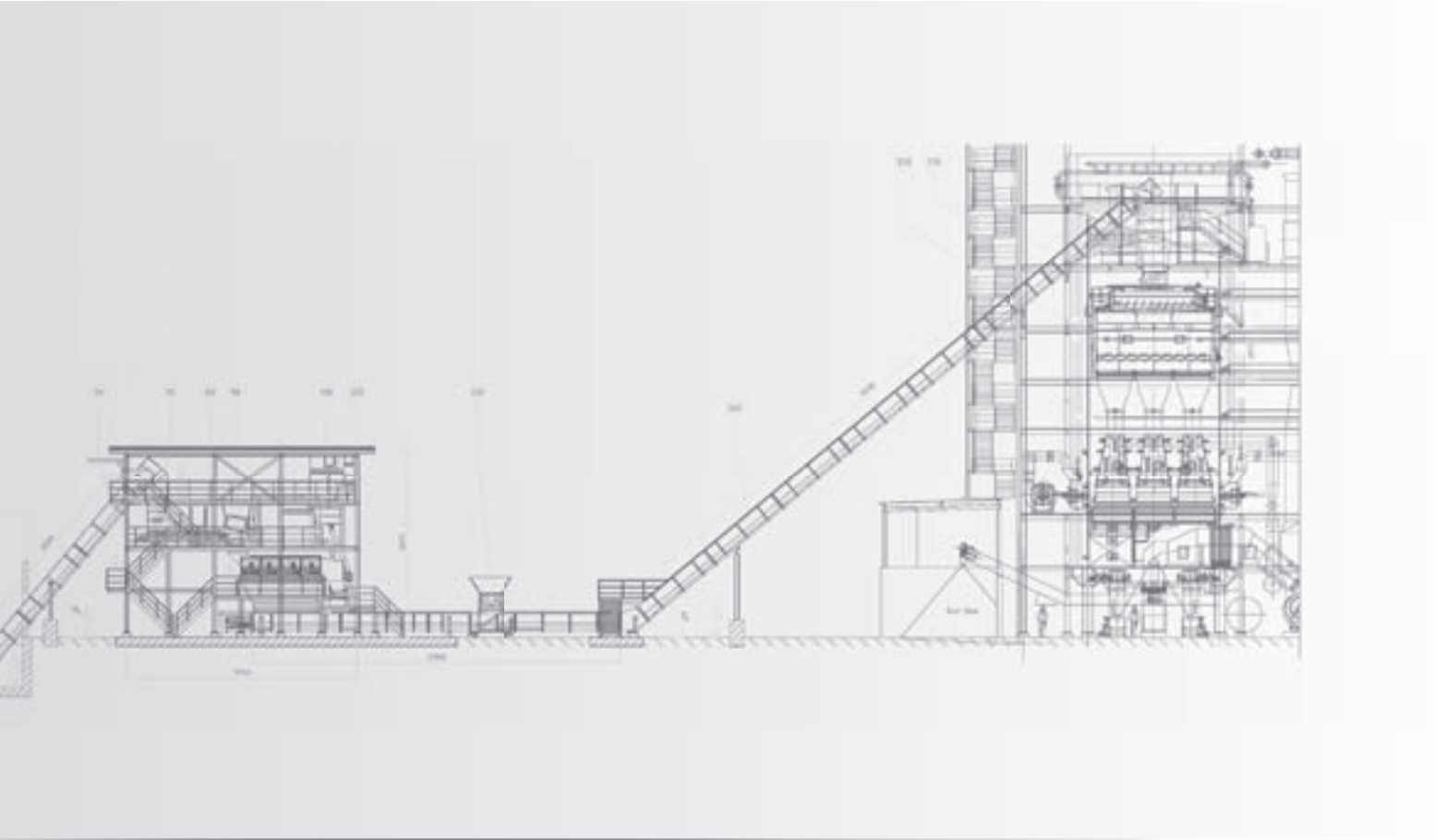
Our international network ensures optimal service for our customers worldwide. The ability of our teams to meet challenges with individual, innovative and intelligent solutions, backed by decades of experience, offers a decisive advantage to our customers.

VECOPLAN engineers plan according to the individual customers' demands and safeguard an unobstructed implementation and production process in the customer's company by employing functional and economic solutions – in Europe and around the world. Our engineers, supervisors and assembly teams guarantee a machine set-up and commissioning on schedule all around the world – be it a single machine or a complete production plant. VECOPLAN AG has continually extended its' national and international sales and service network and offers a comprehensive maintenance,

repair and spare parts service to all customers. A reliable and quickly available customer service is provided by technical staff members of VECOPLAN AG, its' British and US affiliates and the sales and service branches around the globe. We generate synergies and efficiently link up the knowledge and experience of skilled staff in order to help you quickly and reliably. Therefore, the VECOPLAN service package not only includes consultation, project set-up, assembly and commissioning, but also an extensive training and a well-organized maintenance and customer service.

ALWAYS THE RIGHT SYSTEM





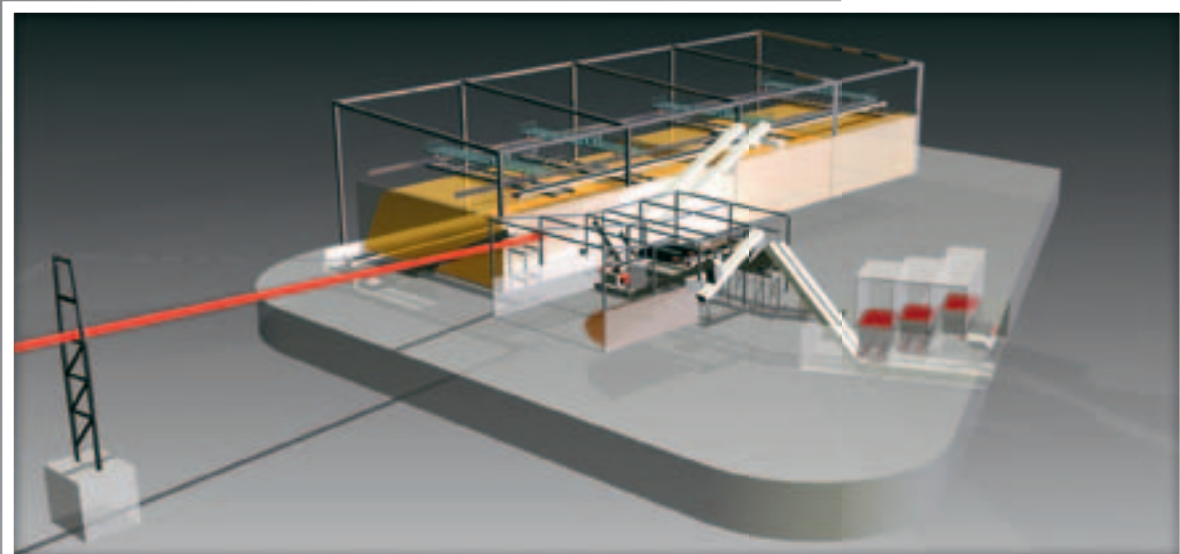
WE DELIVER TURNKEY SOLUTIONS THAT EXCEED YOUR EXPECTATIONS

VECOPLAN AG is an international supplier of integrated system and plant solutions. Based on individual demands and required capacities, we offer customers in the recycling and wood industries tailor-made system solutions. The services provided by VECOPLAN AG in the fields of engineering and project management ensure a perfectly timed configuration of machines and plants according to the processing capacities requested.

With our substantial product portfolio and service packages, we provide a high expertise for solutions regarding the diverse tasks encountered in the recycling and wood industries. VECOPLAN AG stands for single-source solutions from engineering and process development via delivery and assembly up to the commissioning of the complete plant. The longevity of a VECOPLAN-plant defines itself through

perfect construction and solid manufacturing. This leads to remarkably long lifetimes of plants and systems, paired with a low susceptibility to failure and minimal maintenance requirements. Our plants generate homogenous, easy to transport and processing-friendly materials from the most diverse waste components using well-proven, patent-registered technology.

WE REACH YOUR
OBJECTIVES





PROCESS-ORIENTED THINKING AND EXECUTION FOR YOUR ADVANTAGE

Complex projects increasingly dominate our business. VECOPLAN realized in good time that successes in the project business can only be reached by using tailored and reproducible processes. We have defined our processes and structured ourselves accordingly. We live project management in our marketing and in the processing of orders to be a reliable partner for our customers.

VECOPLAN AG's professional project management guarantees our customers a highly qualified, competent team to perfectly meet their complex demands.

It is important to us that you have a motivated, high-performing and judicious personal contact during the entire

realization period of the project, following our objective to provide the best possible support for our customers and facilitate prompt and reliable decisions. Clearly defined schedules make sure that our customers are informed about all aspects relating to their project at all times. Together with our customers, we achieve the best possible results.

PEAK PERFORMANCE OF MAN AND MATERIAL





TECHNOLOGICAL LEADERSHIP, EXPERTISE AND PREMIUM MATERIALS

Bundling the three main factors development, engineering and production under one roof leads to synergies and lets our customers benefit directly from the resulting economic and technical advantages.

On a production area of more than 15.000 m² at our Bad Marienberg headquarters, more than 43 tons of steel are moved and processed every day. Engine manufacture including single objects with a total weight of up to 50 tons demands peak performance of man and material. A VECOPLAN-machine is a real quality product "Made in Germany" – guaranteed by both our perfectly coordinated production team and the raw materials used.

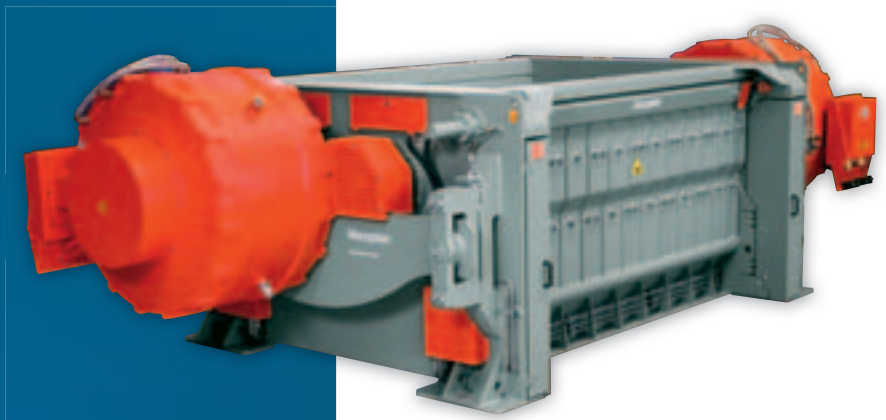
The VECOPLAN standard of quality, certified according to DIN ISO 9001-2000, is a high standard we do not only apply to ourselves, but also to all materials and parts our production obtains from external sources. Our suppliers directly contribute to our production with their knowledge. Thus, we can assure the lasting, outstanding standard of our machines and guarantee an excellent level of product safety to our customers.

WE KNOW HOW TO CONTROL FORCES

WOH WOH
HOW HOW
CONTROL
FORCES

VVZ 250 T

VECOPLAN double shaft shredders are extremely robust machines with an operational capacity of up to 100 t/h. The interaction between the two rotors, the blades and the sieve grate guarantee for a homogenous output.





SHREDDING IS OUR CORE COMPETENCE

Take benefit from our long standing experience in shredding technologies. Since the company's establishment in 1969, we have been a specialist in this area. From the very beginnings, we have constantly refined our machines, advanced the technologies upon which they are based, and revolutionized the international market. VECOPLAN's range of mechanical technologies and systems solutions is unique around the globe.

Developing and manufacturing machines and plants for the wood and recycling industries is a technologically challenging task. Shredding technology is at the heart of such processing plants. The diversity of the input materials poses special requirements to the manufacturing technique of shredders. VECOPLAN AG has repeatedly developed highly efficient and patented shredding technologies and offers its' customers a variety of well-proven machine variants for different applications. VECOPLAN single shaft shredders (VAZ) can be used to shred all kinds of scrap wood, domestic and commercial waste and production remnants. The double

shaft shredder allows for an economic pre- and re-shredding even of difficult materials containing impurities. Drum chippers serve to generate quality chips used as raw material in wood industry, paper and cellulose production or as heating chips.

VECOPLAN offers the largest product variety of single and double shaft shredders worldwide. Model ranges of different sizes and model configurations based on customer requests assure that VECOPLAN AG shredders can be perfectly adapted to any application.

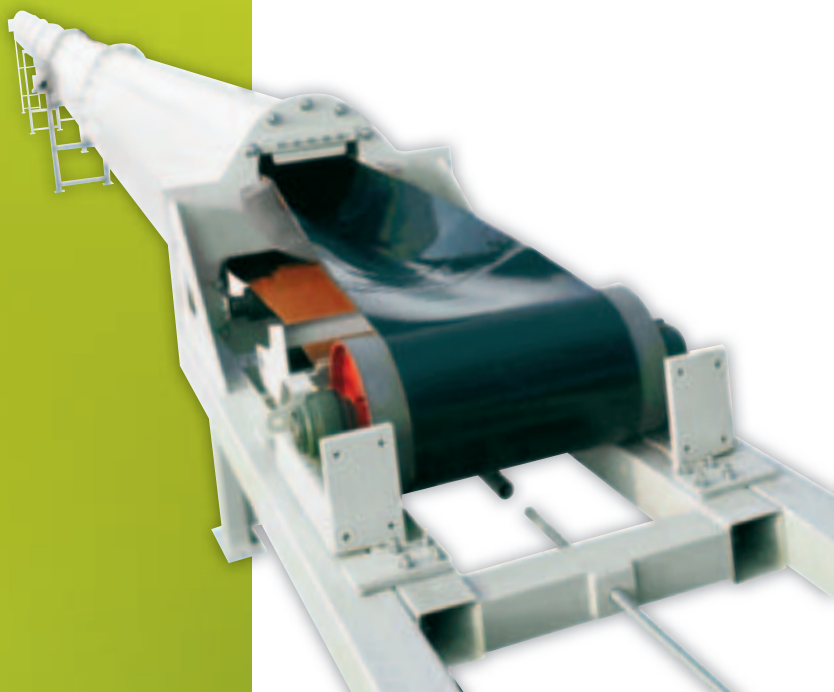
WE LEAD THE WAY

WE LEAD
THE WAY



VECOBELT

Pipe conveyors (type: VecoBelt) are perfectly fitted for conveying bulk commodity along horizontal or slightly ascending tracks over long distances.





CONVEYING TECHNOLOGY – TAILOR-MADE

Conveyor systems have to ensure a high degree of operating safety. VECOPLAN conveyor technology is not only extremely reliable and easy to maintain, but also features a high level of energy efficiency. Furthermore, VECOPLAN AG offers conveyor systems with modular components which can be configured in construction kit style or be equipped with additional modules according to individual customer requirements.

We deliver tailor-made conveyor systems perfectly fitted to the individual customer requests and the site conditions. VECOPLAN conveyor systems include drag chain conveyors,

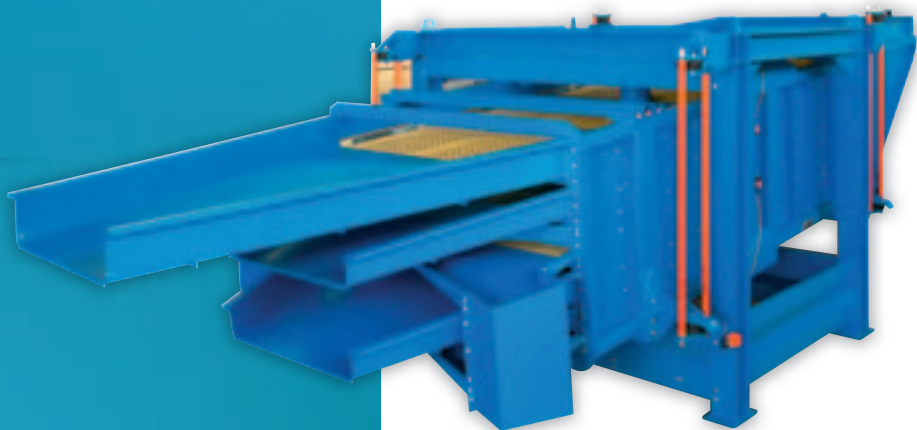
belt conveyors, vibratory conveyors, screw conveyors and pipe conveyors. This allows for an adaptation to different conveying tracks from horizontal to vertical track design.

WE DON'T MISS A THING

WE DON'T
MISS A THING

VSS 90

The VSS 90 vibrating screen is perfect for screening saw mill remains such as wood chips, wood shavings, saw dust, bark or alternative fuels.





GETTING THE MOST OUT OF EVERYTHING

VECOPLAN screening technologies allow for the screening of several different fractions within one aggregate. For its customers around the world, VECOPLAN AG develops and produces vibrating screens, drum screens, eccentric screens, roller separators, star screens and disc screens.

Thanks to our innovative technology, removing coarse parts is easily possible. The highly specific plant systems and machine components can be integrated into conveying tracks, thus rendering the efficient separation of materials possible. Depending on the task given, effective screening of diverse materials in short track sections, screening of

large volumes or the quick separation of oblong materials (e. g. long pieces of wood) that would obstruct the further processing are also possible. We guarantee a trouble-free operation to our customers – not only of the screening device itself, but also of subsequent conveying devices and combustion plants.

WE SEPARATE ACCORDING TO YOUR APPLICATION



DISC SCREEN

Guarantees the efficient separation of shredded biomass or municipal waste.





FOCUSING ON THE ESSENTIAL

Separating extraneous material is an important aspect of processing technologies. The safe separation of metals or the efficient elimination of impurities is vital in order to avoid interruptions and damages to the plant.

VECOPLAN AG offers dependable and almost maintenance-free separation techniques such as disc screen, overbelt magnetic separators, magnetic drums, magnetic induction separators, permanent magnets and air separators. Our separation equipment is particularly user-friendly due to innovative design

and first-class product quality. Our customers can order innovative technology for dry separation processes of shredded fraction like wood, plastic materials, paper or ferrous and non-ferrous metals that fits seamlessly into the entire processing sequence to obtain the best possible results.

WE PRESERVE YOUR VALUE



SB 315

The screw discharger boasts a discharge capacity from 1 to 400 m³ and consists of several screws in an overall supporting structure. Using one or two discharge units, the following process can always be optimally supplied.





STORAGE IS NOT AN ART – IT IS A SCIENCE

In the fields of bunkering and storage technology, VECOPLAN AG develops and produces push rod systems, loading and unloading conveyors, floor discharge systems and dosing screw conveyors.

Our machines make storage in and removal from hexagonal silos of several thousand m³ volume possible. Additionally, we have developed uniquely efficient technologies for the continuous supply of combustion plants in permanent operation, for the loading and unloading of vehicles from silos and for material discharge from underground bunkers.

Developing and producing machinery and plants for storage purposes is technologically challenging. VECOPLAN-technology supplies systems made to measure and fulfils the customers' demands regarding availability of stocks, reliable stock intake and trouble-free handling of large storage volumes under non-stop operation conditions.

THE EXACT MEASURE IS THE KEY



CROSS CHAIN CONVEYOR

Cross conveyor and feeding for dosed loading
of drum chipper for wood chips production





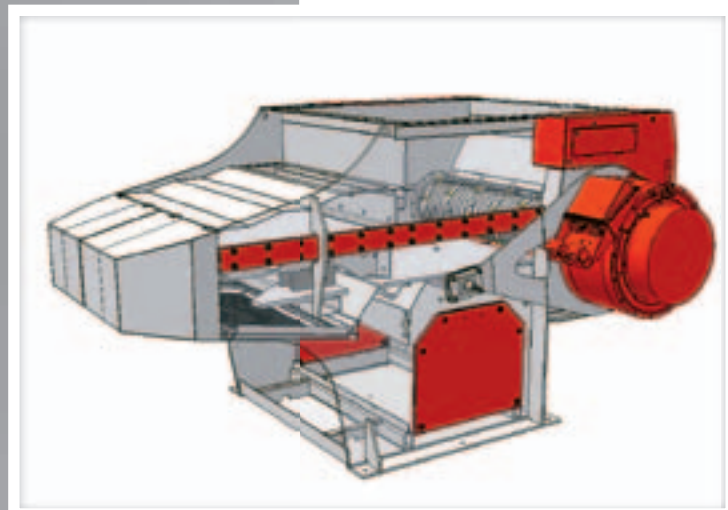
SUPPLYING THE EXACT MEASURE REQUIRES THE RIGHT TECHNOLOGY

We offer our customers highly innovative technologies for the measured discharge of wood, chips, saw dust, bark and plastics. The exact dosing is reached through vibration technology or discharge via screw or push-rod.

We are happy to develop a system perfectly tailored to meet your demands, thus offering you maximum cost-effectiveness and a high degree of energy efficiency. For the dosed discharge of materials into subsequent conveyor

devices or the stocking of fuels for combustion, VECOPLAN AG offers well-proven and reliable solutions such as vibratory conveyors, dosing silos, metering conveyors and vibratory tables.

TOGETHER,
WE DEVELOP
TOMORROW'S
TECHNOLOGY





OUR CUSTOMERS TELL US WHAT THEY NEED – WE PROVIDE THE SOLUTION

Developing new machines and plant systems is driven by the specific and complex tasks initiated by our customers' demands and achieved by working closely together with them.

In order to always be able to offer our customers the most up to date technology, we constantly aim to expand our long standing knowledge in research and development.

We reach this objective because of our highly qualified staff and our teams' motivation for success. Our marketing,

engineers and designing engineers constantly work on conclusive solutions and innovative concepts for even the most difficult tasks. Existing products undergo further development and customized adaptation within larger projects.

Precise and reliable, economical and prompt.

CONTACT

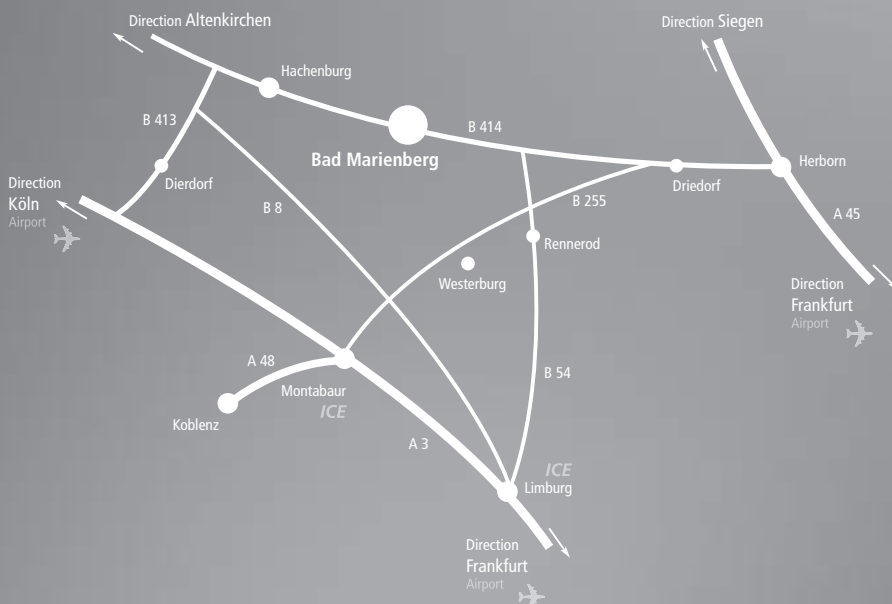
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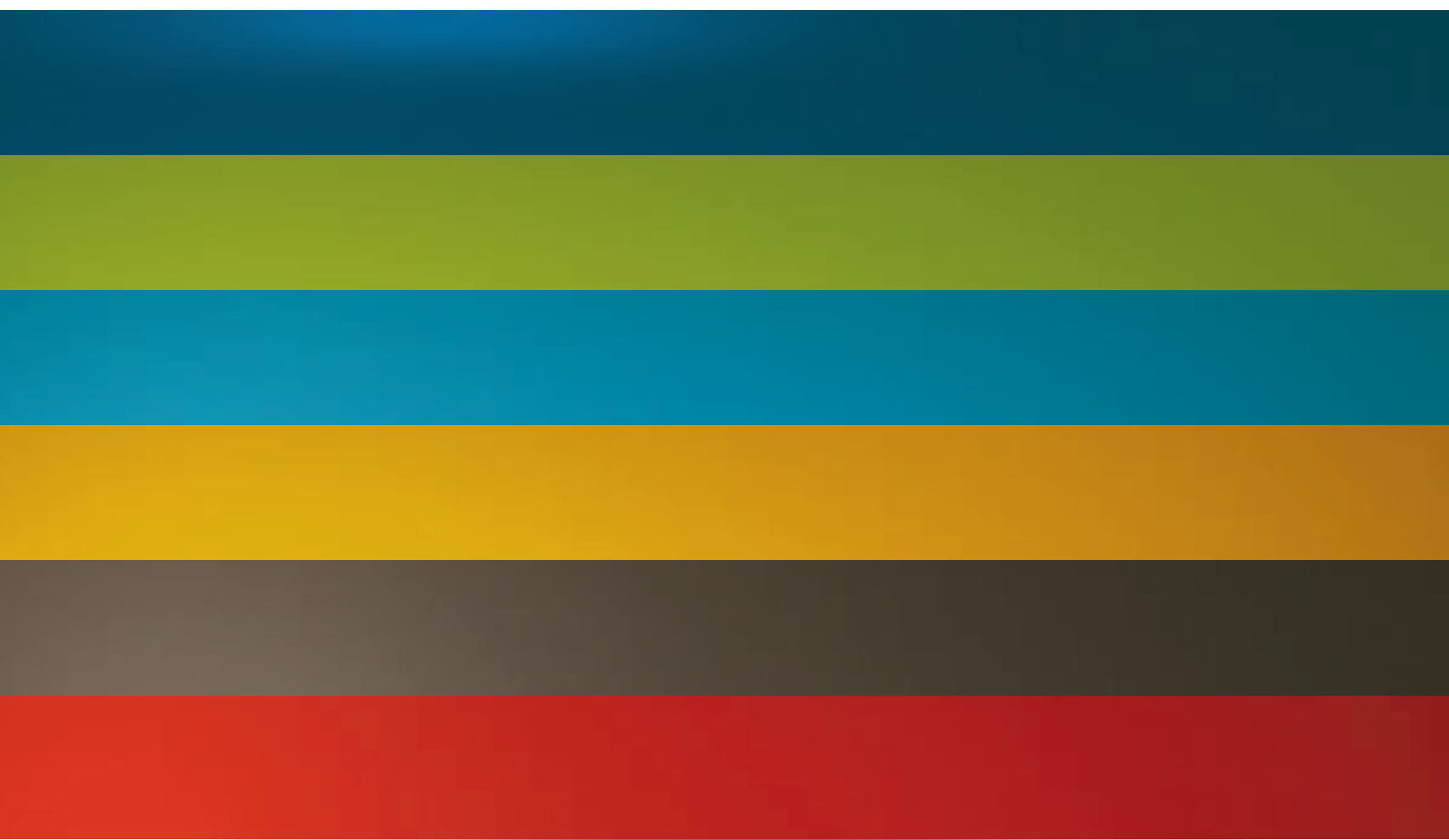
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