WOOD

THE RESOURCE WITH A FUTURE
Waste avoidance, conservation of resources and efficient use of recyclable materials are among the most urgent challenges and tasks of our time. The importance of environmental awareness and sustainability is increasing on a daily basis. Our company has been successfully tackling these challenges for more than 40 years, and today we are a leading partner in the international wood and recycling business, with numerous subsidiaries and sales offices worldwide.

VECOPLAN AG develops, manufactures and markets technologically sophisticated machines and plants for shredding, conveying and processing primary and secondary raw materials in production processes and recycling. Our customers benefit from cutting-edge technology, made possible by continuous research and development combined with in-house production. Our track record is impressive: a number of patents testify to our know-how. In order to meet the demand for groundbreaking technology and outstanding quality, we have focussed our operations on our core competences. Our Service Division complements this structure.

We take our customers through the entire process, from planning to production, delivery, installation, commissioning and on to maintenance of the complete plant. VECOPLAN AG delivers the highest sustainable quality standards, whether it be an individual machine or complete plant, according to our customers’ specifications. Of course, we are certified to EN ISO 9001.
Our knowledge and experience are concentrated in our Center of Competence, which keeps a close watch on developments in the Wood market segment. In the interests of our customers, we are in a position to respond rapidly to market changes, identify opportunities, work with you to refine specific aspects of products and processes and offer individual solutions. Our service portfolio, from planning to commissioning, includes the complete range of systems technology. From the outset, our Center of Competence provides a professional project planning service and delivery of your systems and plants, all from a single source and to the highest quality standards. On schedule. Promptly. With practical experience and customer orientation.

The wood market is one with a global outlook and presence; the markets are in a constant state of flux, and not only as a result of internationalisation. We at VECOPLAN specialise in the development and production of high-quality plants and machinery for the shredding, conveying and processing of wood.
Solutions for the processing of:

- Sawmill waste such as log end pieces, slabs, wood chips, sawdust, wood shavings and bark.
- Logs and roundwood
- Chipboard, pallets and old wood

VECOPLAN provides a number of innovative technical solutions from a single source for the necessary processing of wood for recycling and energy generation. The systems and components we manufacture and sell are used for shredding, conveying, screening, separating and storing wood. The development and manufacture of plants in the areas of wood and biomass processing is technology-intensive. The shredding technology is often the nucleus of the processing plants.
WOOD IS VERSATILE – JUST LIKE OUR TECHNOLOGY

Different raw materials place different demands on the technology: VECOPLAN provides a number of innovative technical solutions from a single source for the necessary processing of wood for recycling.

Our shredders are available in an array of configurations to make them suitable for our customers’ particular applications. Our drum chippers produce homogeneous quality chips from slabs, roundwood and logs. Customers value our tried-and-tested products in all areas of the wood industry: e.g., drum chippers, especially for the production of quality wood chips and disposal in sawmills, as well as for producing quality wood chips for the chipboard and wood pulp industry. VECOPLAN pre-shredders and single-shaft shredders are used primarily in the further processing of old wood and shredding of production waste.

We have the perfect processing solution for each and every application.
Our customers benefit from our experience in shredding technology, which has been accumulated over many years. It is a field we have specialised in ever since the company was founded in 1969. With six types of shredder which differ fundamentally in their structure and form of shredding, we have the appropriate and perfectly tailored shredding technology available for all kinds of wood.

Example: Single-shaft shredder (VAZ)

Example: Pipe belt conveyor (VecoBelt)

SHREDDING IS OUR CORE COMPETENCE

CONVEYING TECHNOLOGY – TAILOR-MADE

We have all of the belt conveyors, drag chain conveyors, screw conveyors, chain belt conveyors and vibrating conveyors to get your material moving. Our product range includes reliable products, optimised for bulk material and piece goods, which help you to convey wood and all other raw and waste materials to their proper destination.
We have the oscillation, disc and star screeners to achieve a level of sorting which would be difficult to achieve manually. A choice of star and disc screening machines is available for sorting out overlengths and large fractions, as are circular oscillation screening machines. These are capable of separating material into different fractions on screening areas measuring up to 27 m².

Our separating technology removes everything from your wood which could cause contamination or damage in your process chain. With their state-of-the-art magnet, sensor and air technology, our overbelt magnetic separators, metal detectors and air separators are indispensable parts of your process.
With our machines, it is possible to fill and discharge storage boxes with a capacity of up to 1,300 m³ per box. We also supply uniquely efficient technology for continuous 24-hour discharging that can be used for heating installations, loading and unloading vehicles from storage boxes, and also for discharge from bunkers. We have loading and unloading conveyors, push and pull rod dischargers, and drag chain conveyors, which means state-of-the-art filling and emptying.

We provide highly efficient technology for the regulated feeding of wood, wood chips, sawdust, bark and logs. Precise dosing is ensured via vibration technology and screw dischargers or push rod dischargers. We develop customised systems which are perfectly tailored to the customer’s needs.
SHREDDING IS
OUR CORE COMPETENCE

Our customers benefit from our experience in shredding technology, which has been accumulated over many years. It is a field we have specialised in ever since the company was founded in 1969 and today we are an international market leader.

Our roots are in the Wood market: our first customers were in the sawmill and furniture industries. The first complete plant which we supplied to our customers in 1973 was a wood recycling plant. In 1971, we developed the drum chipper...with centrifugal wedge clamping system; these shredding machines are used worldwide for producing high-quality chips. The various sizes of VECOPLAN drum chipper are suitable for use in sawmills, large chipping plants in the wood material industry, paper plants, biomass power plants and the wood processing industry. Where customers require the entire value chain to run smoothly, VECOPLAN, being a system supplier, is a reliable partner. Whether sawmill waste wood, logs, slabs or bark, our shredders offer impressive throughput, low energy consumption, low wearing part costs, low maintenance costs and maximum consistent availability.
The engineers and technicians in our Research and Development department work tirelessly to deliver increasingly superior solutions to meet our customers’ varying requirements. A number of patents testify to our technological leadership in the worldwide market.

Since the VAZ was brought to market in 1983, the technology has been refined on an ongoing basis. VECOPLAN also holds a patent for the universal cutting unit (U rotor) developed in 1989. There have been further optimisations since then, including the tramp material protection device, pneumatic-lowering counter knife (“Flipper”), hydraulic bridge-breaker, the patented film and fibre rotor (2002) and the patented HiTorc® drive with optimised efficiency (2005). Innovations by VECOPLAN redefine the market time and again. Our engineers and designers are continuously working on concepts and effective solutions for even the toughest assignments.

Driven by innovation

Centrifugal Wedge Clamping System

Still an efficient and proven VECOPLAN attachment system
- Quick cutter changing
- Secured fixing
- Solid construction

Profiled solid steel rotor

Profiled rotor for extremely homogeneous and easy-to-convey particle size
- 4-sided rotor tools
- Easy cutter changing
- Insensitive to foreign parts
**Toploader**

“Wheel loader bucket on rails”
- Fully automatic box emptying
- Multiple box discharge via inclined ramp onto downstream conveying technology
- Conveying capacity of up to 100 m³/h

**HiTorc®**

Revolutionary shredding technology
- Direct drive motor / permanently controlled synchronous motor
- Greater throughput – lower consumption
- Energy saving of approx. 50% with pre-shredders
- Current peaks are roughly halved (compared with asynchronous motor)
- Compact / quiet / low-maintenance

**VecoBelt**

Pipe belt conveyor – for conveying bulk material on the horizontal or on a slight incline
- Individual conveying distances of up to 400 m in length
- Low-noise and low-dust conveying as air-assisted belt enclosed in tube with minimal drive power and extremely large spans

**Moveable Rod System Floor**

“The drive-on grid”
- Safe solution for tipping bulk material
- Fully drive-on and walk-on
- Conveying capacity of up to 1,000 m³/h
Electrical engineering tasks
- Drawing up of process descriptions
- Assessment and evaluation of regulations, standards and guidelines
- Development of automation/operation and safety concepts, tailored to customer needs
- Drawing up of measuring point and consumer lists
- Planning and manufacture of the switchgear and control elements incl. documentation, programming and parameterisation
- Adaptation of plant-specific software

Project management tasks
- Management of the project commission and, as such, assumption of overall responsibility for the project until final acceptance
- All-embracing coordination of interfaces internally and externally, both the technical and organisational side
- Contract management
- Definition of the project goals in line with customer needs
- Project planning, organisation and control:
  - Assembly of the project team in consultation with the departments
  - Detailed planning of the plant concept in close consultation with the customer
  - Drawing up and updating the project overall schedule
  - Planning of resources in consultation with the departments
  - Responsibility for costs and adherence to budget
- Documentation and reporting
- Preparation and execution of project meetings (both internal and external)
- Handover of project to the customer and, internally, to the customer account manager in After Sales
Wood is alive. Each piece grew in its own unique way and awaits its individual destiny. We at VECOPLAN have the know-how to see that all wood is used for practical purposes.

We offer solutions and have the right system for every application. The further processing of wood, both the raw and waste material, calls for state-of-the-art environmental technology and immense expertise from engineers and designers.

VECOPLAN is an international provider of holistically designed systems and plants to the global wood industry. Our service portfolio, from planning to commissioning, includes the complete range of systems technology. We configure bunker, conveying and storage systems in conjunction with our customers according to their individual requirements and to the highest quality standards. In addition, our professional project management service ensures that our customers have a competent team on side to come up with the optimal solution to their complex briefs.

Our customers avail of our systems competence in the field of wood processing, large chipping plants, biomass thermal power plants, sawmills, old wood processing and pelleting plants. The durability of a VECOPLAN plant is the product of perfect design and rugged build, resulting in plants and systems with exceptionally long service lives.

DURABLE – POWERFUL – SOLUTION-ORIENTED
VECOPLAN POWER: AN EFFECTIVE SYSTEM

We get your wood into shape and to its next processing step reliably and with the maximum availability. By defining the right plant concept from the outset, our specialists lay the foundation that ensures the effectiveness of the overall system.

Sawmill Bois du Dauphiné in France

The sawmill in Le Cheylaz in France was built in its entirety in less than a year and fitted out with a complete disposal system from VECOPLAN AG.

The new conveying technology for sawmill waste management was integrated seamlessly into the existing conveying systems to the pelletising plant. The capacity of the sawmill is approx. 600,000 solid cubic metres per year in 2-shift operation.
SUCCESSFUL PROJECTS

Around the world, we have completed projects with our customers and partners in the field of wood processing and reprocessing. Some “best practise” examples:

- Baetsen – old wood processing
  Capacity: approx. 200,000 t/a
- C2R – waste wood and bark processing
  Capacity: approx. 118,000 t/a
- German Pellets – animal bedding processing
- Kraslesinvest – sawmill waste management
- Arkaim – sawmill waste management
  Capacity: 700,000 solid m³/a
- Pfeiffer Group
  Shredding, Screening, Conveying technology
- Offner – sawmill waste management
  Capacity: approx. 500,000 solid m³/a
  Wood chip throughput: max. 1,100,000 m³/a
  Sawdust throughput: max. 600,000 m³/a
- Rimba – chipboard industry
  Capacity: approx. 30,000 t/a
- Sunchang – sawmill waste management
  Capacity: approx. 600,000 solid m³/a
  Wood chip throughput: max. 400,000 m³/a
  Sawdust throughput: max. 300,000 m³/a
- TSLK – sawmill waste management
  Capacity: 1,000,000 solid m³/a
- Westcoast – chipper
  Capacity: approx. 100,000 t/a
- Andinos – sawmill waste management
  Capacity: approx. 300,000 solid m³/a
- Terranova – sawmill waste management
  Capacity: approx. 200,000 solid m³/a
- Custom Finishers – hardboard industry
  Capacity: approx. 50,000 t/a
INTERNATIONAL NETWORK ENSURES AN OPTIMUM SERVICE

Service is available to you round the clock. Our TeleService reliably reaches any location in the world: plant problems can be diagnosed straight away. Settings can be made, data transmitted and errors rectified via the remote maintenance and remote link modules. In this way, we guarantee professional support and thus the maximum availability of your VECOPLAN technology. Our inspection and maintenance packages safeguard your investment. We offer predefined service packages which, of course, can be amended to meet your individual needs.

In addition to consulting, project planning, installation and commissioning, our service package therefore also includes intensive training and a well-structured maintenance and customer service. Furthermore, we offer individual repairs and a quick and reliable spare and wearing parts service. So you can rest assured that when you need us we will be there immediately.

We at VECOPLAN plan, manufacture and install your plant from a single source and our rapid and competent

We create synergies and efficiently link the knowledge and experience of our employees in the interest of our customers and their steadily growing requirements. This means we can guarantee fast and reliable technical support for our customers, even at an international level. We carry a responsibility as a one-stop provider of holistically designed plant solutions – and that does not change after our machines have been delivered.

An overview of our service packages:

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