

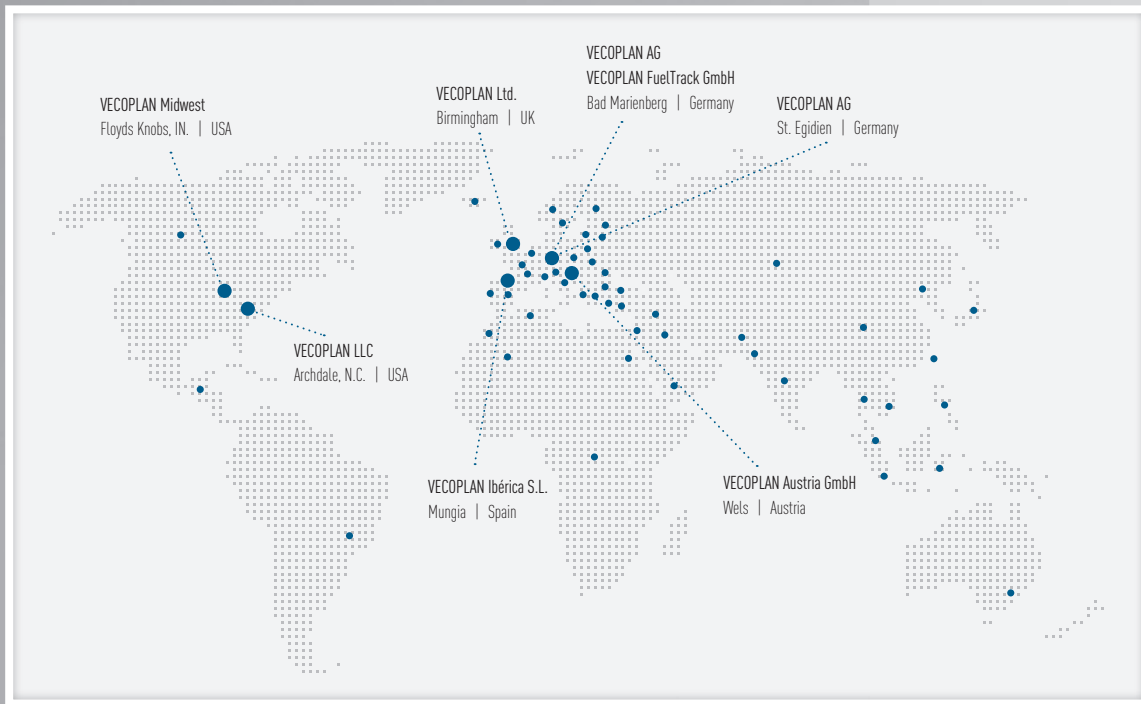


PAPER

DOCUMENT AND FILE DESTRUCTION

100 % SECURE – 100 % EFFICIENT

Vecoplan[®]



VECOPLAN INTERNATIONAL

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 ground-breaking 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.

Made in Germany

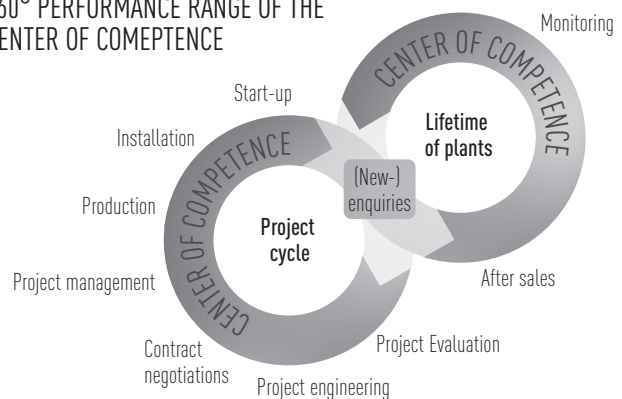


COMPETENT TEAMS FOR COMPETENT SOLUTIONS

Paper is still used as a data carrier to this day and, in most cases, must be destroyed after use to reliably prevent the misuse of data, information, documents and, in particular, highly confidential or secret information.

VECOPLAN has been supplying powerful shredders to service providers or direct to data owners for more than 20 years now. Our customers especially love how rugged the machines are, even with high throughputs of up to 10,000 kg/h. Other outstanding benefits to the customer include ease of maintenance and operation, low maintenance and operating costs, and also tramp material protection. Different security levels can be achieved by using different screens when shredding. In our Center of Competence for Paper we develop forward-looking plant concepts in conjunction with the customer. VECOPLAN is the market leader in the area of industrial file and data carrier destruction.

360° PERFORMANCE RANGE OF THE CENTER OF COMPEENCE



THE RIGHT SOLUTION FOR EVERY MATERIAL



Data carriers



Files



Newsprint



(Banknote) Paper rolls

Solutions for the destruction of data carriers:

- Files and documents
- Microfilms
- Optical data carriers such as CDs and DVDs
- Magnetic data carriers such as floppy discs, ID cards, and magnetic strips
- Hard disk drives
- Electronic data carriers such as memory chips and chip cards

VECOPLAN shredders are used with success in all areas of data destruction. Complete plants with controlled and regulated feeding, closed removal, separation of metals and production of suitable units for transport are planned, installed and, after commissioning and performance testing, handed over to the customer, all from a single source: VECOPLAN.

The paper and data carrier particles obtained from shredding subsequently go on for further processing in the following areas:



Security level	Size / Tolerance
P1	max. 3.800 mm ² , but 90 % < 2.000 mm ²
P2	max. 2.000 mm ² , but 90 % < 800 mm ²
P3	max. 800 mm ² , but 90 % < 320 mm ²
P4	max. 480 mm ² , but 90 % < 160 mm ²
P5	max. 90 mm ² , but 90 % < 30 mm ²

DIN 66399 "Destruction of Data Carriers" classifies security levels from 1 to 7. VECOPLAN machines cover levels P1 to P5 for file destruction.



Recycled paper



Insulating material



Plasterboard

PAPER AND DATA CARRIERS – RAW MATERIALS FOR RECYCLING

The paper industry relies on the availability of recycled paper. The area of file destruction plays an important role here on account of the high-grade paper. We at VECOPLAN are aware of the responsibility this brings.

It is not without reason that our shredders are among the world leaders – especially when it comes to confidential and complete data destruction. File shredders can usually create value on both ends. By keeping operating costs down and availability high, VECOPLAN ensures the success of its file shredders.

In its endeavour to protect the environment and conserve resources, the processing of cardboard packaging and newsprint into insulating materials is another challenge which VECOPLAN plant engineering has successfully embraced.

Shredding



Example: Single-shaft shredder (VAZ)

Conveying



Example: Screw conveyor and drag chain conveyor

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. With shredder capacities ranging from 300 kg/h to 10,000 kg/h and security levels from P1 to P5, we provide appropriate and perfectly tailored shredding technology for all kinds of files, electronic data carriers and microfilms.

CONVEYING TECHNOLOGY – TAILOR-MADE

We have all of the chain belt conveyors, drag chain conveyors, screw conveyors, 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 paper and all other raw and waste materials to their proper destination.

Screening

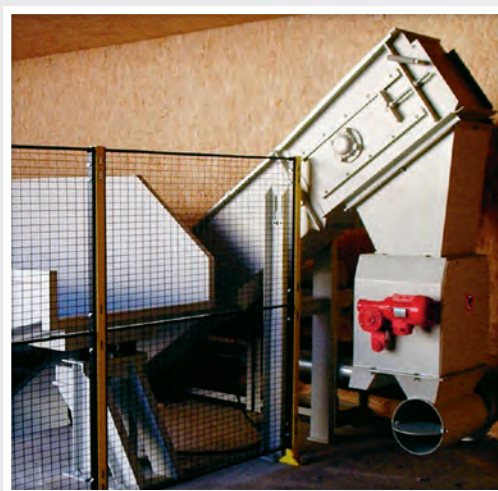


Example: Oscillation screen (VSS)

GETTING THE MOST OUT OF EVERYTHING

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 up to 3-deck circular oscillation screening machines, which are capable of separating material into up to 4 different fractions on screening areas measuring up to 9 m². Our screen technology caters for security levels P1 to P5 in the destruction of data carriers.

Separating



Example: Magnetic drum

FOCUSING ON THE ESSENTIAL

Our separating technology removes everything from your particles 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.



Storing

Dosing



Example: Paper storing



Example: Chain belt conveyor

STORAGE IS NOT AN ART – IT IS A SCIENCE

The size and inhomogeneity of shredded file particles allow them to be compacted into large bales. These bales can be optimally transported, stored and stacked.

SUPPLYING THE EXACT MEASURE REQUIRES THE RIGHT TECHNOLOGY

We provide highly efficient technology for the regulated feeding of files, documents and data carriers. Precise dosing is ensured by intelligent electronic systems. 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 recycling plant. Satisfied VECOPLAN customers include renowned paper mills and file shredding service providers from all over the world. Large chipping plants produce quality wood chips suitable for processing.

File shredding service providers rely on VECOPLAN VAZ technology. Where customers require the entire value chain to run smoothly, VECOPLAN, being a system supplier, is a reliable partner. From files to documents and electronic data carriers, our shredders offer impressive throughput, low energy consumption, low wearing part costs, low maintenance costs and maximum consistent availability.

DRIVEN BY INNOVATION

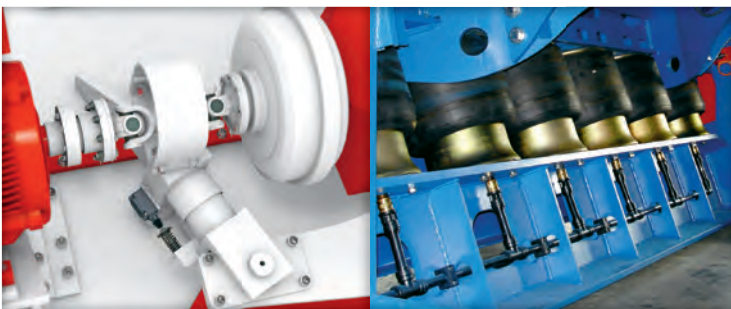
The engineers and technicians in our Research and Development department work tirelessly to deliver increasingly superior solutions to meet our customers' varying requirements. A number of patents testify to our technological leadership in the worldwide market.

Since the market launch of the VAZ 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.

In the interest of our customers, our engineers and designers are continuously working on concepts and effective solutions for even the toughest assignments.



Tramp material shutdown

Tried-and-tested systems identify tramp material which cannot be shredded and the machine is safely shut down via

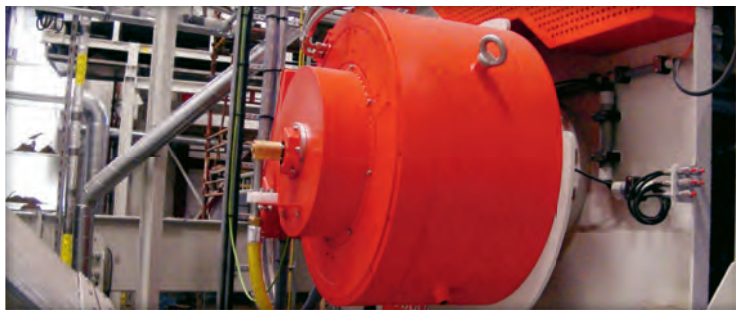
- Torque switches on the gear unit
- Pulse detector
- Pneumatic counter knife ("Flipper")



Profiled solid steel rotor

Profiled rotor for homogeneous particle size according to the required security level

- 4-sided rotor tools
- Easy cutter changing
- Insensitive to foreign parts



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



Chain belt conveyor

Robust and tried-and-tested in material feeding

- Easy material feeding thanks to underfloor position
- Ascending section for optimal machine feeding
- Variable for continually high throughput



Combination of screw and drag chain conveyor

The ideal combination for tight spaces

- Elastic or direct extension to shredder
- Closed system as far as bunker or bale press
- Ascending section on screw conveyor itself
- Compact removal of shredded material



Drag chain conveyor

The closed system

- The use of bends makes any conveying arrangement possible
- Possible to install rams for receipt of material
- Dust-proof construction
- High capacity

COMPLETE INSTALLATION OF COMPLEX PLANTS



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



DURABLE – POWERFUL – SOLUTION-ORIENTED

Recycled paper is the raw material for new paper products. We at VECOPLAN have the know-how to see that recycled paper, files and documents are put to practical use and thereby make a valuable contribution to the conservation of natural resources.

We offer solutions and have the perfect system for every application. The use of paper particles 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 file and data carrier destruction 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 file and data carrier destruction.

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.

VECOPLAN POWER: AN EFFECTIVE SYSTEM

File and data destruction is also a sensitive matter. When it comes to paper shredding, the priority is reliable, efficient shredding and processing of sensitive data.

Paper shredding plant at Kurz – plant for destroying data carriers

The Kurz plant in southern Germany is used mainly for destroying files. 3.6 t of files per hour are shredded to security level 3 according to DIN 66399. A chain belt conveyor feeds the machine. In addition, standard containers of up to 1,100 l can be fed directly into the machine using a lift tipper. Other data carriers such as CDs and DVDs can also be processed in the plant, and filled separately into containers or Big Bags. The plant is also equipped with a magnetic metal separator and bale press with another separate feed.





SUCCESSFUL PROJECTS

Around the world, we have completed projects with our customers and partners in the field of file and data carrier destruction. Some "best practise" examples:

- Reisswolf Bayern
- Rhenus
- Gauer
- Sembcorp Tay Paper
- Recall
- Leins
- Hurt
- Reisswolf Wien
- Reisswolf Hörching
- Iron Mountain
- Cintas
- Kurz

YOUR JOB IS OUR RESPONSIBILITY



Original parts



Service



Contact



An overview of our service packages:

	Basic	Comfort	Premium
Safety			
Safety review	•	•	•
Safety check	•	•	•
Cost-effectiveness			
Analysis of cost-effectiveness of repair	•	•	•
Travel to and from customer	•	•	•
Storage costs	-	•	•
Guaranteed spare parts prices	-	-	•
Shipping costs of wearing parts	-	-	•
Optimisation			
Information on innovative further development	•	•	•
Availability			
Inspection	•	•	•
Expert condition report	•	•	•
Priority in case of failure	-	•	•
Maintenance (equipment check)	-	•	•
Preventive maintenance (equipment replacement)	-	-	•
Service			
Original parts advice	•	•	•
Technical advice	•	•	•
TeleService (remote maintenance)	-	-	•



INTERNATIONAL NETWORK ENSURES AN OPTIMUM SERVICE

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.

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

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.

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