



**RECYCLING TECHNOLOGIES**

**MADE IN**

**LENGERICH**

**PRALL-TEC COMPANY BROCHURE**

# EXPERIENCE MEETS INNOVATION

The Company PRALL-TEC



PRALL-TEC GmbH, based in Lengerich, Westphalia, was founded in May 2007 by Ralf Teepe, who brings over 40 years of experience in the construction of recycling machinery. This extensive expertise, combined with continuous innovation, continues to shape the high quality and reliability of our machines today.

Our range of services includes the construction and repair of impact crushers, hammer mills, jaw crushers, and shredders. In addition, we trade in mobile screening machines, wheeled and tracked conveyor belts, spare parts, and used machines — both from our own production and from third-party manufacturers.



## Recycling Technology – Made in Lengerich

From a small two-man operation to a globally active expert in recycling machinery and crushing technology. Even after 15 years of successful company history, PRALL-TEC has remained committed to Lengerich as its production site.

It's not our size, but rather our specialized knowledge and decades of experience in building impact mills and complete systems that make all the difference. With dedication and a passion for technology, managing directors Ralf and Frederik Teepe have developed deep process engineering expertise that directly benefits our customers today.

From planning and design to manufacturing, all machines are produced at our site in Lengerich — with precision, efficiency, and tailored exactly to our customers' needs.



# RECYCLING TEC – MADE IN Lengerich

Planning to logistics – all from one source



In modern size reduction and recycling technology, efficiency is the key to operational success. At PRALL-TEC GmbH, we provide not only high-performance machinery but also fully integrated system solutions covering all stages of the

process – from engineering and manufacturing to logistics and on-site installation. This guarantees reliable project execution and application-specific solutions precisely aligned with our customers' requirements.



## Everything from a single source!

At our Lengerich facility, we design and manufacture recycling plants for customers around the world – from initial planning to final delivery. Thanks to our fully integrated processes, we ensure the highest quality, maximum reliability, and tailor-made solutions from a single source.



# IMPACT CRUSHERS



## Impact Crushers (PT)

### ➤ Application area:

Ideal for the crushing of hard materials such as natural stone, concrete, asphalt, and recycling materials.

### ➤ Features:

High reduction ratios, robust design, low energy consumption, and flexible adjustment options for different grain sizes.



# REVERSIBLE IMPACT CRUSHERS



## Impact Crushers (PTKS)

### ➤ Application area:

Enables efficient crushing of rock, ore, concrete, and more in quarries, the building materials industry, recycling, and metallurgy.

### ➤ Features:

A reversible Impact Crusher crushes materials through impact force and can reverse the rotor's direction of rotation.



# FINE GRINDING MILLS



## fine Grinding Mills (PTRF)

### ➤ Application area:

Used in the recycling, construction materials, metal, and chemical industries for the fine crushing of materials such as concrete, cement, ores, glass, and raw materials.

### ➤ Features:

High efficiency and flexibility for the fine crushing of materials.





# HAMMER MILLS



## Hammer Mills (PTH)

### ➤ Application area:

Suitable for soft to medium-hard materials such as limestone, coal, and gypsum.

### ➤ Features:

Particularly effective in achieving fine grain sizes, high wear resistance, and easy maintenance.



# BALLING MILLS



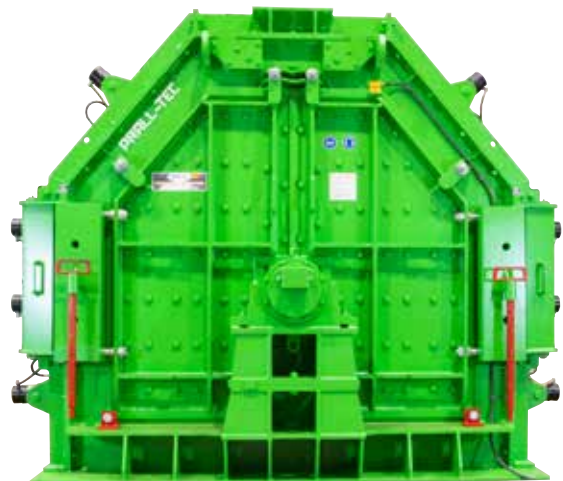
## Balling Mills (PTV)

### ➤ Application area:

The PTV Balling Mill can be used for processing a wide range of products and is especially suitable for the preparation of metals for subsequent separation and further processing.

### ➤ Features:

They offer high efficiency, precise grinding levels, wear-resistant components, and flexible adjustment options, along with easy operation and maintenance.



# SCREENING MACHINES



## Screening Machines (PTSM)

### ➤ Application area:

Classification of materials by grain size, for separating fine and coarse fractions in various applications.

### ➤ Features:

Precise screening, durable screen surfaces, and flexible adjustment options to suit different materials and requirements.





# ROTARY SHEARS



## Rotary Shears (PTRS)

### ➤ Application area:

Coarse pre-shredding of bulky materials such as electronic waste, plastic waste, and metal scrap. Ideal for processing large volumes and tough materials.

### ➤ Features:

Powerful cutting tools, variable output sizes, high efficiency in material processing, and reliable performance even with demanding shredding tasks.





## Assembly and Service by the Manufacturer

Your machine should run reliably – that's our commitment. In the event of damage, repairs take top priority. Spare parts are always in stock and readily available. Our experienced team ensures fast on-site service.

# GLASS SHREDDER



## Glass Shredder (PTG)

### ➤ Application area:

Pre-shredding of automotive glass and other large-volume products for subsequent processing and separation of the individual components of the input material.

### ➤ Features:

The Glass Shredder from PRALL-TEC is specifically designed for the efficient and clean pre-shredding of automotive and bulletproof glass.





# RECYGLASS®



## Recyglass® System

### ➤ Application area:

With Recyglass®, you work cost-efficiently in laminated glass processing.

### ➤ Features:

The Recyglass® system stands for sustainability, resource conservation, and cost-effectiveness – a forward-looking technology in glass recycling.



# MOBILE RECYCLING PLANTS



## Mobile recycling plants

### ➤ Application area:

Flexible crushing and processing of materials directly on-site, such as construction and demolition waste, natural stone, wood, metal, and glass.

### ➤ Features:

High mobility, easy transportability, quick operational readiness, and comprehensive functions for efficient material processing.



# STATIONARY RECYCLING PLANTS



## stationary recycling systems

### ➤ Application area:

Permanently installed systems for the continuous crushing and processing of large volumes of waste and recycling materials. Ideal for industrial applications and large recycling centers.

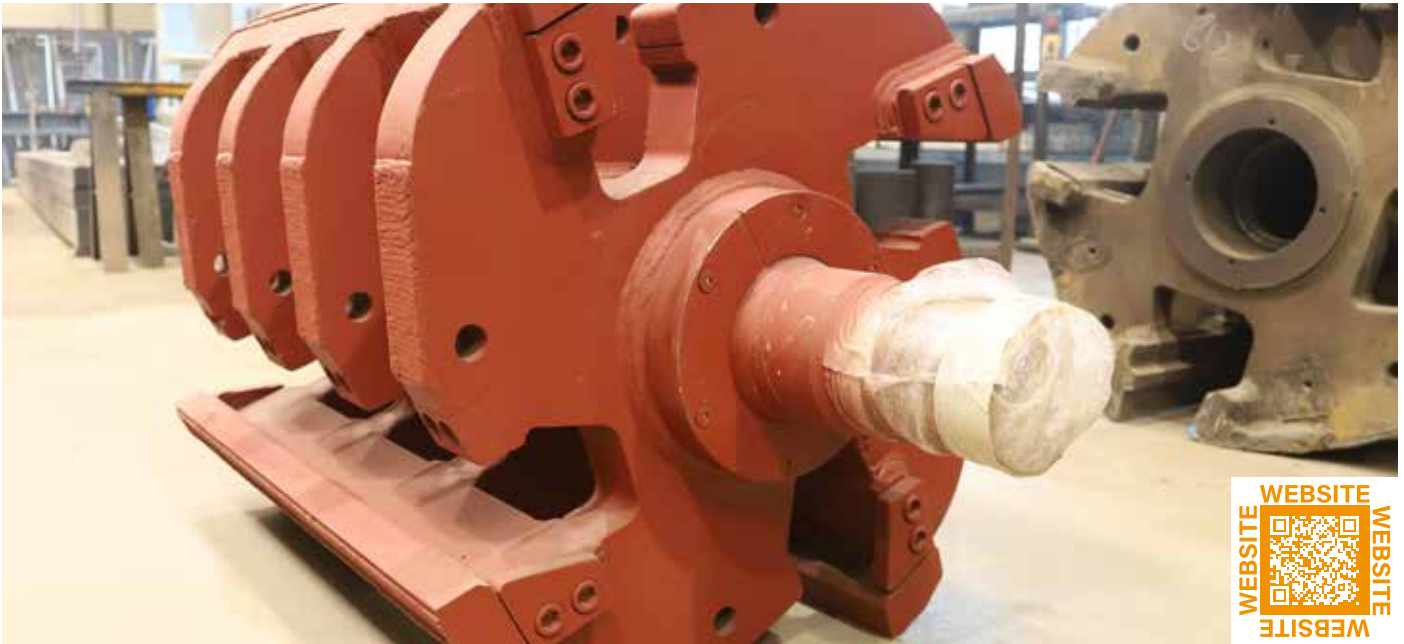
### ➤ Features:

Robust construction, high throughput capacity, and comprehensive integration of crushing, screening, and conveying systems.





# ROTORS



## Rotors

### ➤ Application area:

Used in various crushing systems for efficient and consistent material reduction.

### ➤ Features:

Robust and durable construction, high cutting force, and optimized cutting geometry for maximum efficiency and productivity.



# VIBRATING FEEDERS



## Vibrating Feeders (PTSR)

### ➤ Application area:

Transport and dosing of bulk materials and crushed materials in recycling and production processes. Particularly well-suited for continuous and consistent material flow.

### ➤ Features:

Precise control of feed rate, robust construction, high wear resistance, and low maintenance requirements. Ensures gentle and efficient material conveying with even distribution.



# PLANT ENGINEERING

## Your competent partner for customized plants

Looking to build a new plant tailored to your specific needs? Then you've come to the right place!  
Whether it's construction debris, natural stone, recycling materials, metals, or glass – we offer comprehensive solutions customized to meet your exact requirements.

### Our Services at a Glance:

#### ➤ Individual planning, design, and implementation:

We design your plant exactly according to your specifications and tailor it perfectly to your products and processes.

#### ➤ Everything from a single source:

From the feed hopper to various crushers and the screening machine – we deliver complete systems that work together seamlessly.

#### ➤ Cost-effectiveness and reliability:

Our plants are characterized by high efficiency and availability to reduce your production costs and maximize uptime.







# TESTING WITH CUSTOMER MATERIAL

## Your partner for customized solutions

We know: Every application is different and requires precisely tailored technology. That's why we offer you the opportunity to test your materials under real conditions and analyze them in detail. This way, we can develop the optimal

solution together – perfectly aligned with your requirements, processes, and goals. Our experienced team supports you from the first sample to the final design of your plant.

### 1. Material Analysis

#### ➤ Identification and Evaluation:

Before we begin testing, we collect all relevant information about your material. This includes physical properties, particle size distribution, hardness, and any specific requirements that are important for your application.



### 2. Testing Procedure

#### ➤ Individual Testing:

Our experts conduct comprehensive tests with your material in our state-of-the-art testing facilities. This includes evaluating crushing performance, energy efficiency, and final product quality under realistic operating conditions.



### 3. Analysis and Consultation

#### ➤ Interpreting the Results:

After testing, we thoroughly analyze the results. We assess how your material interacts with our machines and determine what modifications or adjustments may be necessary to achieve the best possible performance.



### 4. Optimization

#### ➤ Adjustments and Fine-Tuning:

If necessary, we make adjustments to the machines to further optimize efficiency and performance. We also offer you the opportunity to verify the results of these modifications through additional testing.



### 5. Documentation

#### ➤ Detailed Reports:

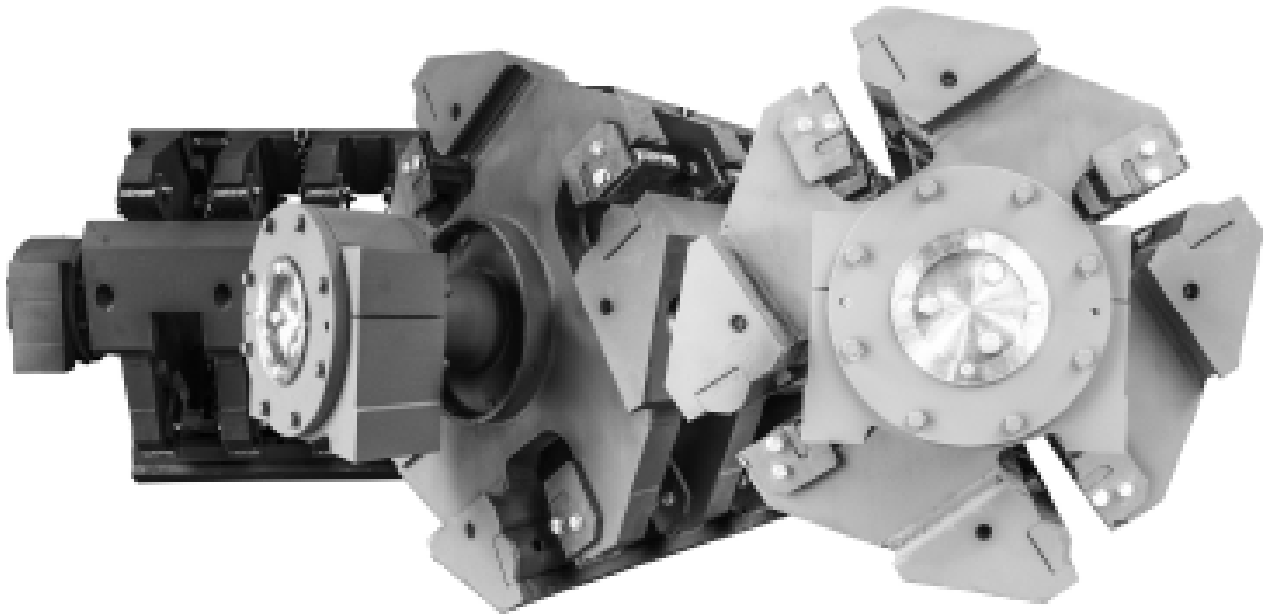
At the end of the testing process, you receive a clear summary of results, data analysis, and our recommendations — to support informed decisions about selecting and using our machines.





# ROTOR CONSTRUCTION AND REPAIRS

PRALL-TEC GmbH – Präzision und Zuverlässigkeit in jedem Rotor



## **Rotors – The Heart of Your Crushing System**

Rotors are the core component of many crushing machines and are crucial to the efficiency and performance of your system. At PRALL-TEC GmbH, we offer comprehensive services in rotor manufacturing and repair to ensure your equipment operates smoothly and economically at all times.

## **Custom Manufacturing for the Highest Demands**

Our experienced team specializes in developing and manufacturing rotors tailored precisely to your specific requirements and material properties. From the very beginning of the planning phase, we take all relevant factors into account – including material characteristics, the desired degree of crushing, and operating conditions. Using state-of-

the-art production methods and precision engineering, we create rotors that stand out for their durability and premium quality.

### **Rigorous Quality Control**

Every rotor undergoes extensive testing and stringent quality checks before it leaves our facility. This ensures that each product meets the highest performance standards and exceeds your expectations.

### **Fast Support for Wear and Damage**

If your rotor shows signs of wear or damage, our reliable repair and maintenance service is here to help. We begin with a thorough analysis to determine the root cause, followed by efficient repairs to restore functionality and significantly extend the rotor's service life – minimizing downtime and maximizing productivity.

### **Tailored Solutions from a Single Source**

Whether it's new production, repair, or maintenance – PRALL-TEC offers custom solutions for every aspect of rotor technology. With our expertise, innovative approach, and commitment to quality, we ensure that your crushing equipment always runs at peak performance.

### **PRALL-TEC – Your Partner in Rotor Technology**

Trust PRALL-TEC – for precisely manufactured rotors, tailored solutions, and long-lasting performance.



# HIGH-QUALITY SPARE PARTS

Custom-made spare parts for your machines



Are you looking for custom spare parts for your rotor technology, hammers, flails, grate packages, jaw plates, impact units, screen panels, blow bars, or other machine components?

We are your reliable partner!

Whether your system or the required part was originally manufactured by us or not – we handle your request with the utmost care.

Our experienced experts provide personal consultation and develop precise solutions that are perfectly tailored to your machine and specific requirements.



# HARDOX® WEARPARTS

Wear-resistant parts & plates for the highest demands



As an authorized HARDOX® Wearparts partner, we offer premium, wear-resistant products that withstand the toughest conditions. Whether for use in the construction, recycling, or mechanical engineering industries – HARDOX stands for durability and reliability.

Our Hardox wear parts and plates are ideal for applications where material wear is a critical factor. Thanks to their exceptional hardness and toughness, they significantly extend the service life of your machines and equipment.

# USED MACHINES

We offer a wide range of used machines



PRALL-TEC offers a wide selection of used machines when it comes to acquiring recycling equipment. We carry a broad range of different machines, all available for purchase directly from us. In addition to used machines from our own inventory, we also broker new equipment from our trusted partners.

Naturally, we handle transport of all machines across Europe. So no matter where you need the equipment, we'll make sure you can carry out your recycling operations quickly and without hassle.





# RENTAL MACHINES

## PRALL-TEC Rental Machines – Flexible, Efficient, Reliable

PRALL-TEC offers a wide selection of high-quality machines for rent, tailored specifically to your individual needs. Whether you require equipment for short-term operations or longer-term projects – we have the right solution for you.

### An overview of our rental machines:

#### ➤ **Mobile Impact Crushers:**

Efficient crushing of concrete, asphalt, and construction debris. Ideal for flexible job sites and high production output.

#### ➤ **Semi-mobile Hammer Mills:**

Our semi-mobile hammer mill offers a flexible and powerful solution for crushing a variety of materials. This robust mill is ideal for use in construction and recycling industries, standing out for its high efficiency and mobility.

#### ➤ **Balling Mills:**

For secondary processing and spheroidization of metals and metal composites.





#### Your benefits with PRALL-TEC rental machines:

##### ➤ **Cost Optimization:**

Avoid high purchase costs. Take advantage of our rental options and pay only for the machines you actually need.

##### ➤ **Maximum Flexibility:**

Rental period and machine type can be selected flexibly – tailored to your project duration and specific requirements.

##### ➤ **State-of-the-Art Equipment:**

Our rental machines are always up to date with the latest technology to ensure maximum efficiency and reliability.

#### Simple rental process

##### **1. Choose Your Machine:**

Select the right machine from our extensive rental fleet.

##### **2. Send an Inquiry:**

Contact us by phone or online to check availability and pricing.

##### **3. Fast Delivery:**

We deliver the machine directly to your job site – anywhere in Germany.

##### **4. On-Site Support:**

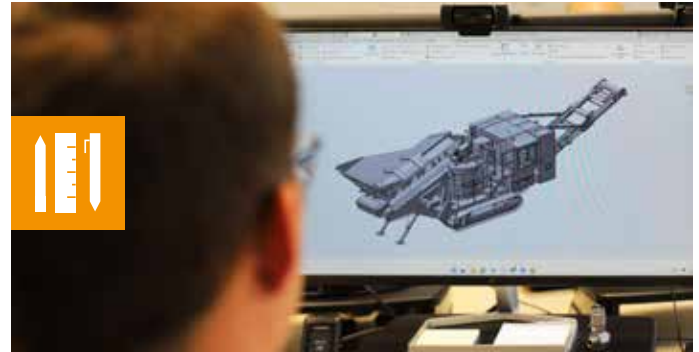
Our technical team assists you directly on-site to ensure smooth and efficient operation.

# SERVICES

## Overview of our various services

### Design and Development

From individual rotors to complete recycling systems – we design and develop all our machines and plants in-house. We place great value on incorporating our customers' ideas and requirements into the planning process. This close collaboration has led to the creation of a wide range of machines for processing and treating various materials.



### Mechanical and Plant Engineering

Planning, design, and construction – all from a single source. From material feed to screening, whether for outputs of 20 to 200 tons per hour, in a quarry or on a recycling site – we turn your vision into reality.



### Assembly and Service – Directly from the Manufacturer

Our top priority is ensuring your machine runs smoothly and delivers strong performance. If unexpected damage occurs to your rotor or plant, repairs are given the highest urgency. We maintain a permanent stock of spare parts to guarantee high availability of your machines. A qualified assembly team is available on-site to quickly replace or repair components.





# CONSULTING

We're happy to provide you with personal advice



Would you like more information about our products or a personal consultation directly at your machine? For us, it goes without saying that we're here to support you with any questions regarding repairs, modifications, or production processes – working together to find the best solution for

your needs. Whether on-site at your location or during a meeting at our office, including a guided tour of our production facilities – we're happy to assist you with expert advice and hands-on support.

# CAREER OPPORTUNITIES AT PRALL-TEC

## Shaping the Future Together – Your Career at PRALL-TEC



As an innovative company in the field of crushing and recycling technology, PRALL-TEC GmbH offers exciting career opportunities in a future-proof industry. Whether you're just starting your professional journey or already bring valuable experience – we offer you the chance to become part of a dynamic team that succeeds globally with cutting-edge technology and sustainable solutions.

PRALL-TEC GmbH stands for quality, innovation, and passion. Our success is built on a motivated and dedicated team that works every day to optimize our machines and systems while developing new solutions for our customers. As a family-owned company with flat hierarchies, we value the individual commitment of each team member and foster an open, collaborative, and supportive work environment.

## Your Opportunities with Us

We offer diverse career paths across various departments:

### ➤ Engineering and Development:

Contribute to the design and further development of our state-of-the-art machines and systems. Bring your ideas to the table and help shape new technologies and innovative solutions.

### ➤ Production and Assembly:

Be part of the team that brings our machines to life. From manufacturing and assembly to final inspection – you play a key role in ensuring the quality of our products.

### ➤ Sales and Customer Consulting:

Join our sales team and support our national and international customers. Develop tailored solutions and contribute to the success of customer projects.

### ➤ Service and Maintenance:

Support our customers in maintaining and optimizing their systems. With your expertise, you ensure the smooth operation of our machines and long-term customer satisfaction.

### ➤ Administration and Logistics:

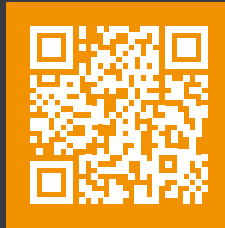
Support us in areas such as procurement, logistics, finance, and human resources. Your work is essential to ensuring the smooth operation of our business processes.





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THE COMMON GOAL OF WORKING WITH OUR CUSTOMERS  
AND PARTNERS TO DEVELOP NEW SOLUTIONS THAT WILL  
SET NEW RECYCLING STANDARDS IN THE FUTURE.  
“

FURTHER  
INFORMATION



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