

# PRALL-TEC

*More than just recycling*



**YOUR MATERIAL**

**OUR PTV**

Shredding, Liberation, Cleaning, De-lamination, Balling

## EXPERIENCE MEETS INNOVATION

### The Company

# PRALL-TEC



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Prall-Tec GmbH, located in 49525 Lengerich/Westphalia, was founded in May 2007 by Ralf Teepe, who has more than 40 years of experience in manufacturing recycling equipment. This knowledge, combined with new innovations, is reflected in the machines of Prall-Tec GmbH. The company's core business is the construction and repair of impact and hammer mills, jaw crushers and shredders, as well as mobile screening machines, wheel and trackmounted conveyor belts, used machines and spare parts, for both our own and third-party machines.

It is not a question of size that determines today's business, but rather the special know-how and experience of successful crushing and plant construction that make the difference. Due to the untiring drive for innovation of the managing directors Ralf and Frederik Teepe, a great knowledge of application and process technology has been built up, which today is available to our customers. All machines are independently planned, designed, then manufactured in our own production facility in Lengerich.

# THE PTV BALLING MILL

## Our crushing, de-lamination and balling mill

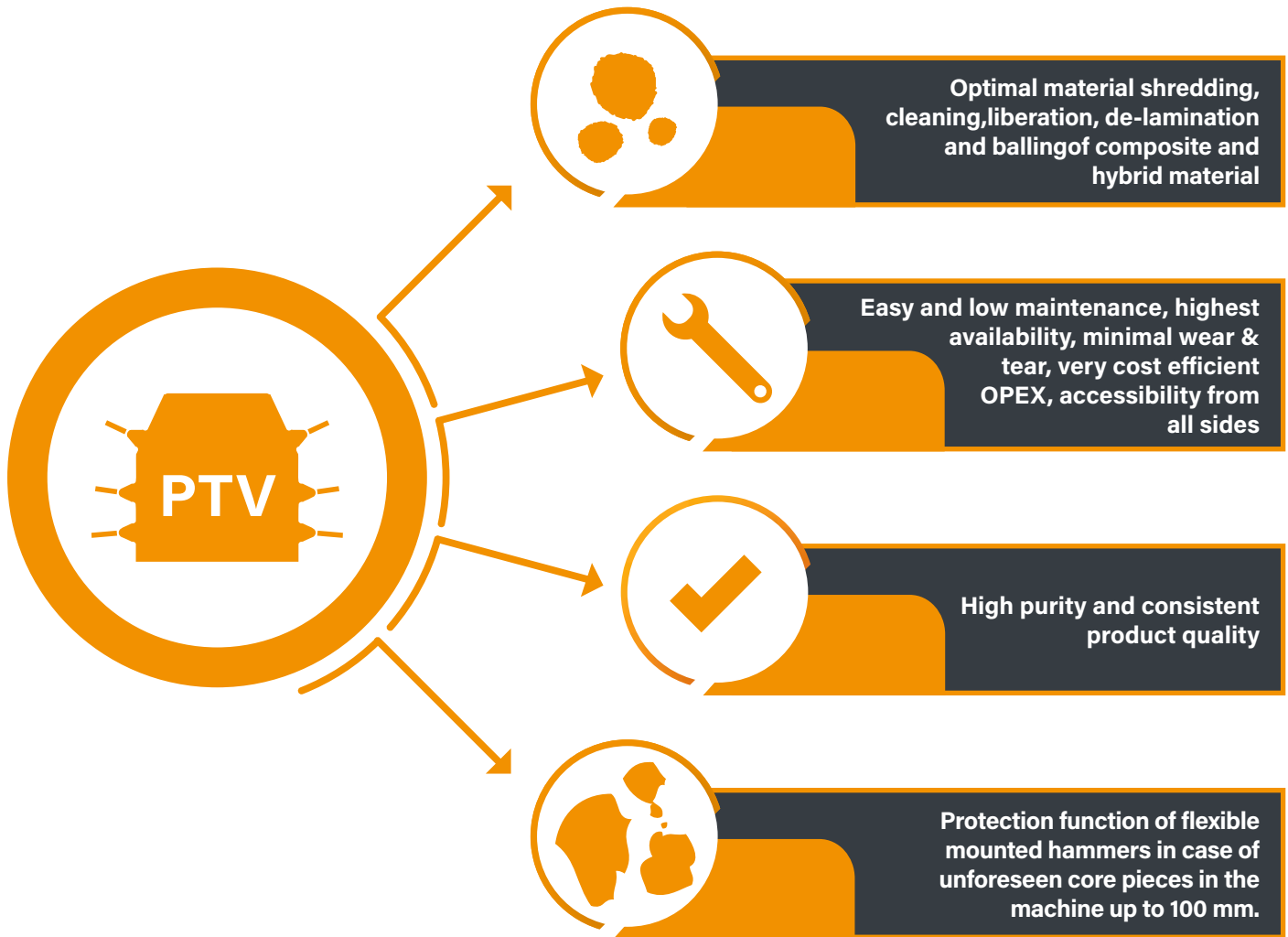
The PTV functions as a universal crushing mill for liberation, cleaning, de-lamination, shaping, and balling of input material. The PTV liberates metals from the input compounds and hybrid material. Ferrous and non-ferrous metals (FE, NFE) containing material is therefore only impacted until the desired particle size, liberation, shaping and balling condition has been achieved. Composite and hybrid material such as plastics, adhesives and metals can be processed with the PTV and subsequently separated from each other using various separation technologies such as magnetic (FE) and eddy current separation (NFE), windsifting, densimetric and air separation tables, heavy media separation, water tables, etc.



PTV 100/100	WEIGHT	FEED OPENING	INLET SIZE	FINAL GRAIN NF/NFE
	12,7 tn	Up to 100 mm (4")	280 x 1000 mm (11" x 39")	0,3-35 mm ( $\frac{1}{64}$ " - $1\frac{3}{8}$ " )
PTV 140/100	WEIGHT	FEED OPENING	INLET SIZE	FINAL GRAIN NF/NFE
	19,3 tn	Up to 100 mm (4")	280 x 1400 mm (11" x 39")	0,3-35 ( $\frac{1}{64}$ " - $1\frac{3}{8}$ " )

# THE PRALL-TEC BALLING AND SHREDDING TECHNOLOGY

## Advantages of the PTV at a glance



## ASR TREATMENT AND NON-FERROUS

The processing of ASR up to a feed size of 10 inches



ASR INPUT MATERIAL



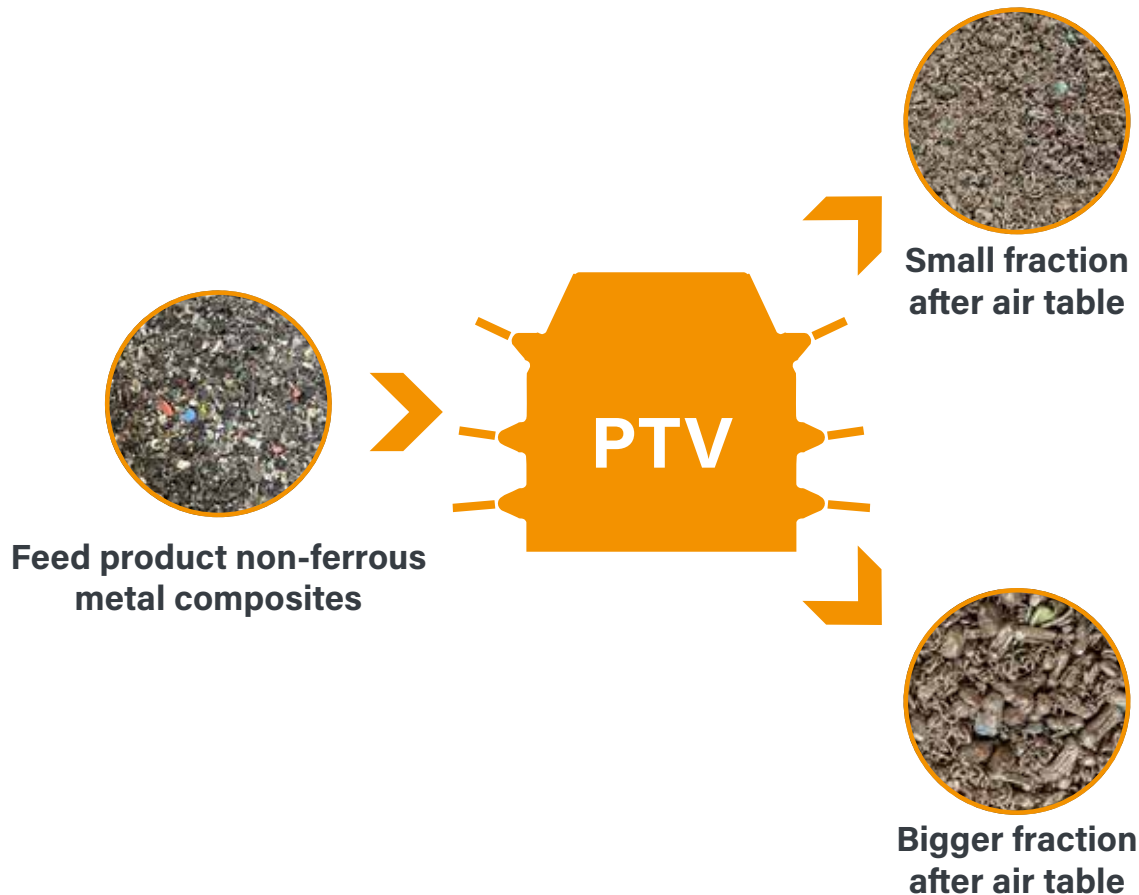
OUTPUT MATERIAL  
AFTER PTV AND AIR TABLE

The PTV is particularly suitable for processing ASR. Depending on the desired quantities, the machine can extract the non-ferrous metals from the product directly in one step or in 2 steps and ball them up in the process.

Light materials are sucked off directly on the machine and the remaining product is then separated into a heavy and light fraction. The individual metals can then be further separated from one another.

## REFINING OF NON-FERROUS METALS

The perfect and versatile preparation of non-ferrous metals for subsequent further separation



The PTV can be used to process a wide variety of products and is particularly suitable for preparing the metals for subsequent further separation and processing. After the material has been balled by the PTV, the various products such as heavy metals,

aluminum and other valuable products can be separated from residues such as rubber and plastic. In this way, pure products can be recovered and returned to the material cycle.



## ELECTRONIC SCRAP (E-SCRAP), ASR, IBA AND OTHER PRODUCTS

Recovery of a clean metal fraction from all kind of products



High value recyclable resources such as electronic waste (WEEE), automotive shredder residues (ASR) and electric cables are a significant source of secondary raw materials that can be returned to the circular economy. Our PTV

crushing mill enables the liberation and shaping of copper and other heavy metals from compounds, hybrid material, copper cables, plastic insulation for further separation and direct commercialization with a copper smelter.

# RECYCLING TECHNOLOGY FOR ELECTRONIC SCRAP (E-SCRAP)

The recovery of valuable raw materials protects the environment and our climate.





## CORPORATE SUSTAINABILITY

A Sustainably Operating Mechanical Engineering Company

# PRALL-TEC



**Frederik Teepe**

CEO Prall-Tec GmbH

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*CO2 emissions, climate change, recycling and sustainable raw materials are more important today than ever before and so we at Prall-Tec try to make a contribution to a cleaner world and at the same time create a profitable business for our customers*

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Sustainability is a central theme throughout the company, which is why we position ourselves as a sustainable mechanical engineering company. Our efficient recycling technology enables us to recover valuable raw materials, conserve CO2 emissions, climate change, recycling and sustainable raw materials are more important today than ever before

and so we at PrallTec try to make a contribution to a cleaner world and at the same time create a profitable business for our customers natural resources and significantly reduce greenhouse gas emissions. We thus make a major contribution to promoting the circular economy and ensuring the environmentally compatible management of waste.

# SERVICES

## Overview of the Various Services

### Construction and Development

From the rotor to the complete recycling plant, we design and develop all our machines and plants in house, prioritizing the wishes and ideas of our customers and incorporating them into the planning. This close cooperation has resulted in various machines for the preparation and processing of a wide range of materials.



### Mechanical and plant engineering

Planning, design and construction from a single source. From material feed to screening, whether a production of 20 to 200 tons per hour, quarry, or recycling yard - we fulfill your wishes.



### Assembly and service from the manufacturer

The most important thing for us is a well functioning and producing machine at all our customers. If there is sudden damage to your rotor or the plant, this repair has the highest priority for us. Spare parts are permanently in stock to ensure a high availability of your machines. A qualified assembly team takes care of the quick replacement or repair of the components on site.



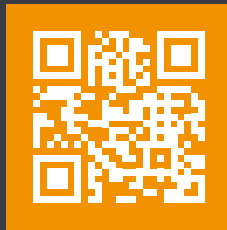
## MACHINERY & PLANT CONSTRUCTION FOR EACH CUSTOMER

We will be happy to advise you personally!



Would you like information about our products or a personal consultation directly on site? We will be happy to be at your side with questions about repairs, conversions, or production processes in order to find the best solution for you.

This can be done at your site or during a meeting in our office with an obligatory tour through the production. We will be happy to assist you in any way that we can.



# PRALL-TEC

[www.prall-tec.de](http://www.prall-tec.de)

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