

# PRALL-TEC

*More than just recycling*



**YOUR MATERIAL**

**OUR PTV/PTH/PTRF**

Crushing, Liberation, Cleaning, De-lamination, Balling

# EXPERIENCE MEETS INNOVATION

## The Company

# PRALL-TEC



**Ralf Teepe**

CEO  
Prall-Tec GmbH



**Frederik Teepe**

CEO  
Prall-Tec GmbH

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 track-mounted 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

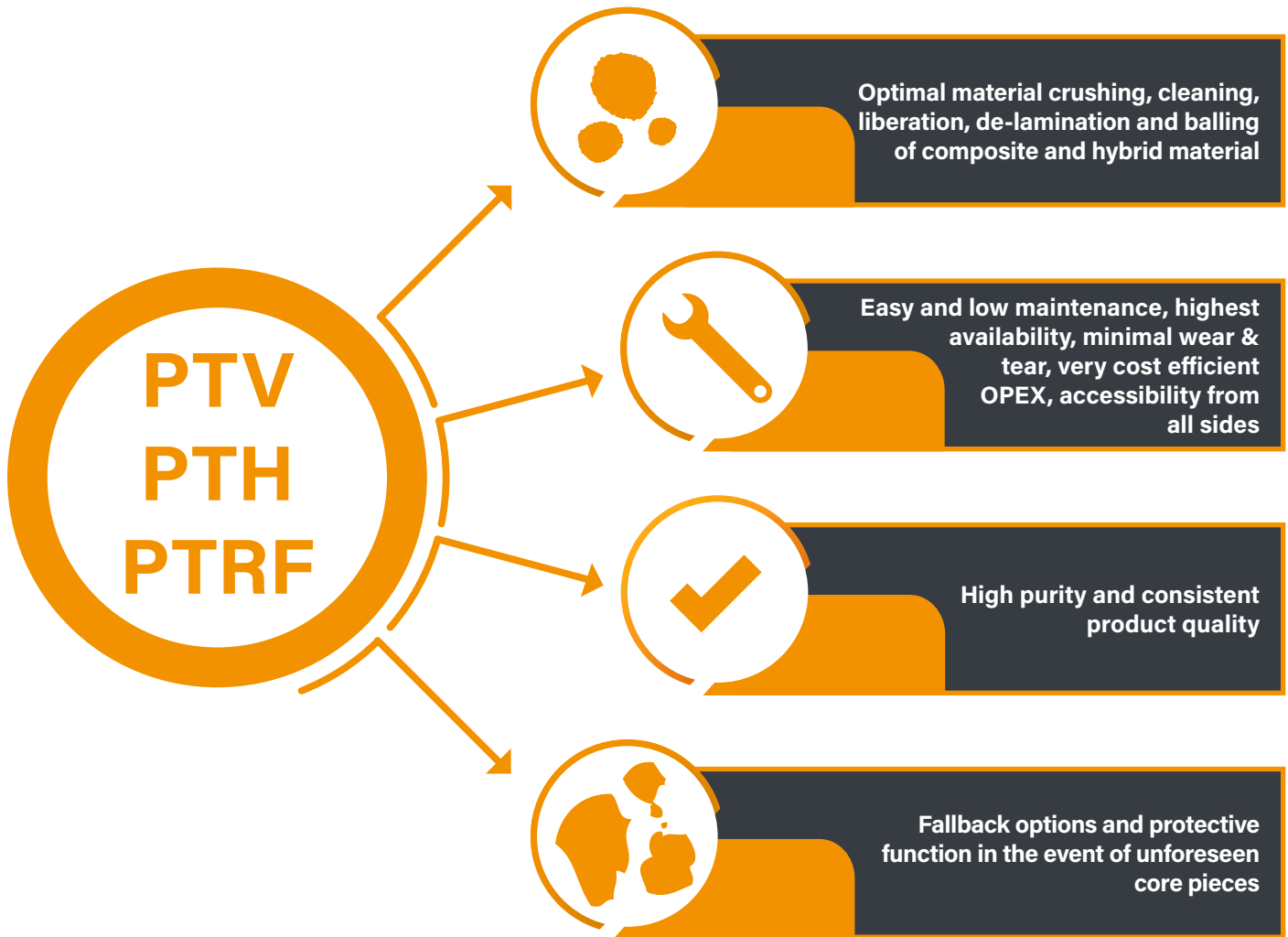
The PTV functions as a universal crushing mill for liberation, cleaning, de-lamination, shaping, and balling of input material. The PTV liberates metals from the input compounds and hybrid material. Ferrous and non-ferrous metals (FE, NFE) containing material is therefore only impacted until the desired 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 1000 mm (11" x 39")	0,3-35 ( $\frac{1}{64}$ "-1 $\frac{3}{8}$ " )

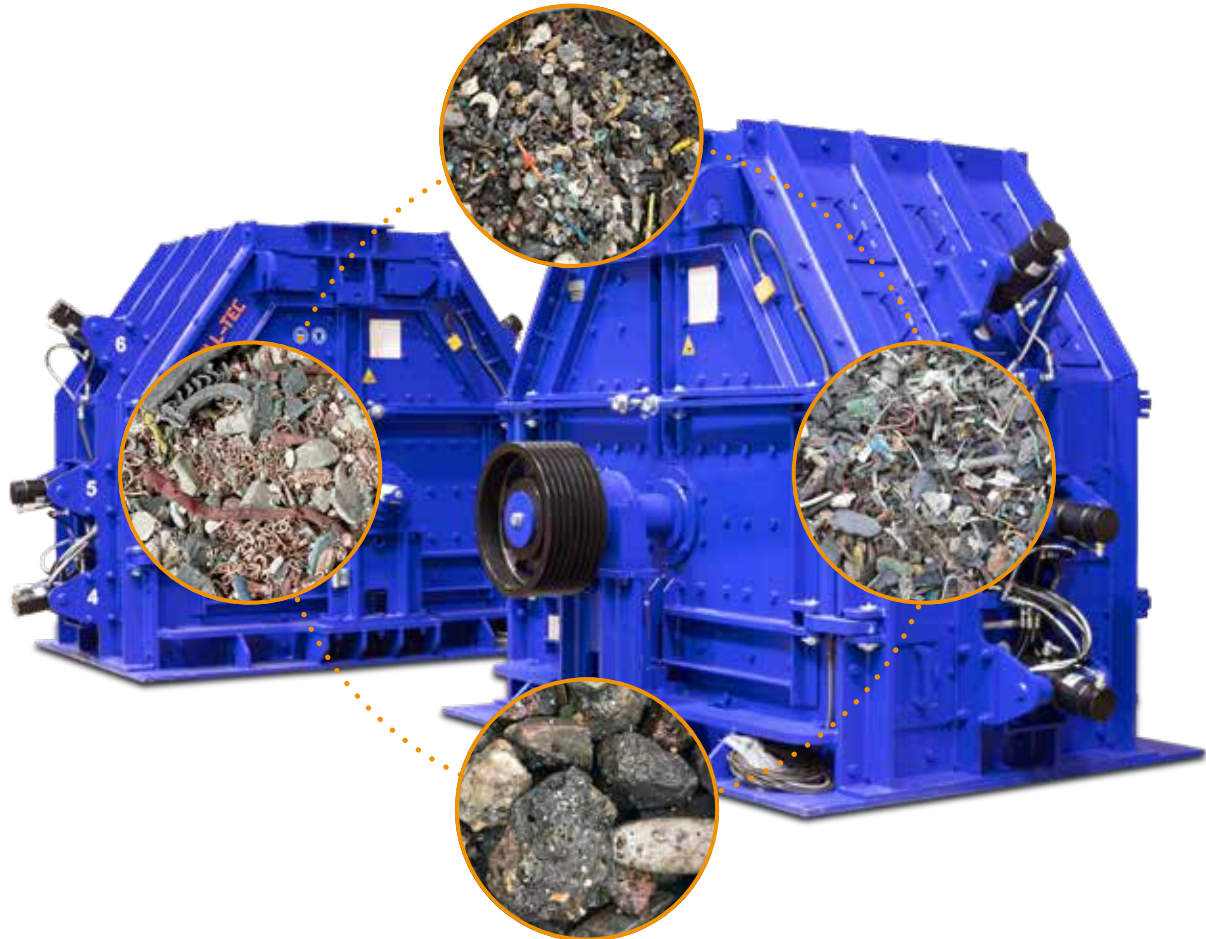
# THE PRALL TEC CRUSHING, BALLING & MILLING TECHNOLOGY

## Benefits at a glance



## ALL KIND OF RECYCLABLE RAW MATERIALS

Your Material – Our individual recycling technology



We strive for an optimal ferrous (FE) and non-ferrous (NFE) metal recovery yield with a maximum purity. Depending on your requirements, we design and build entire recycling

plants, tailor made for your requirements and demands. We always aim for optimal results and product quality.

## RECOVERY THROUGH PERFECT PREPARATION WITH THE PTH

### Refining of Non-Ferrous Metals (NFE) from Incinerator Bottom Ash (IBA)

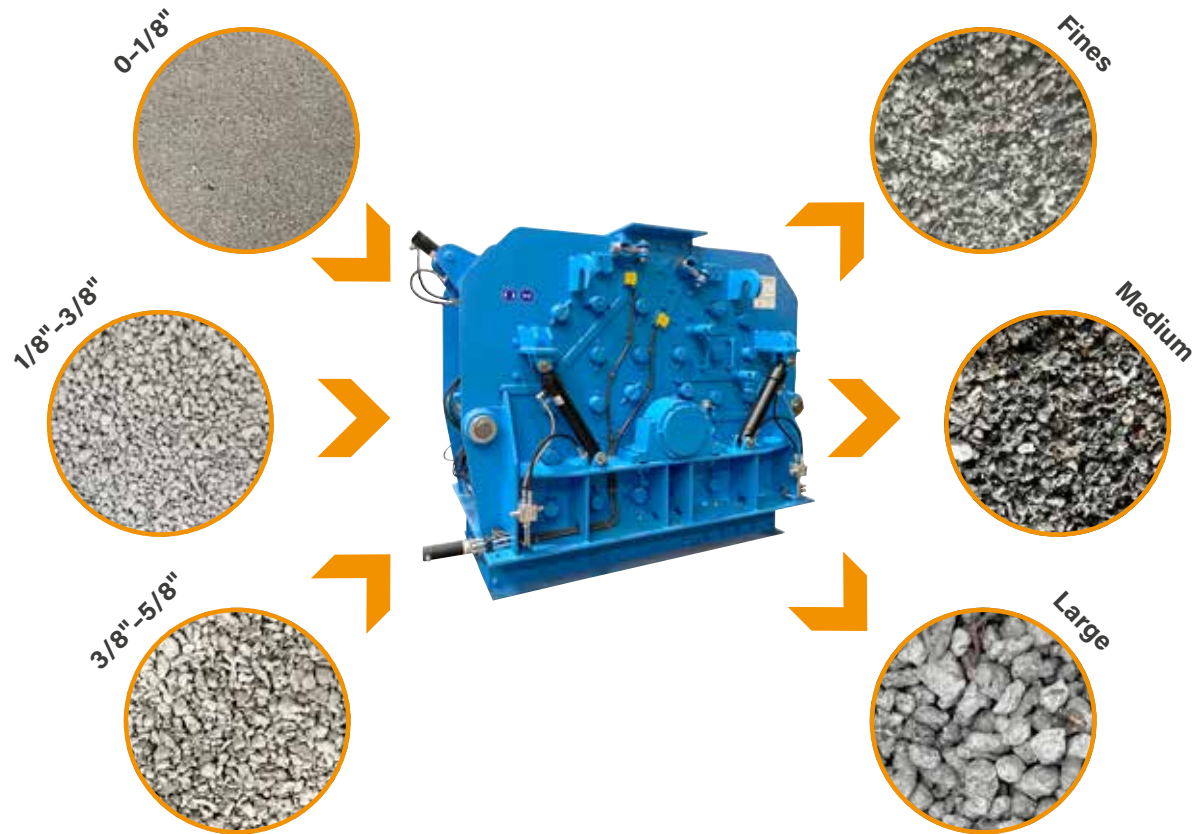


Non-ferrous metals from incinerator bottom ash contain mainly aluminum, copper, brass, zinc, lead, precious metals and residual ash (mineral, glass, ceramic). Through further milling the metals are liberated from the ash-mineral conglomerate

and cleaned. Via the specially designed Prall Tec milling technology the NFE-metals can be shaped and balled. They are now ideally prepared for a subsequent separation process leading to a clean heavy metal and aluminum fraction.

## ALUMINIUM AND NON-FERROUS EASILY REFINED WITH THE PTRF

The perfect preparation of the fine non-ferrous or light fraction for further separation



With the PTRF, only the mineral content of the feed product is crushed without destroying the aluminum content or producing unnecessary aluminum splinters. In this way, the minerals can simply be sifted or screened off after the PTRF

and a very clean aluminum fraction remains. This application can be used for a feed product up to 15 mm ( $\frac{5}{8}$ "), for the larger product a PTH would need to be used.

# 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



*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*



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.



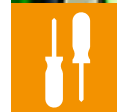
### Mechanical and plant engineering

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.



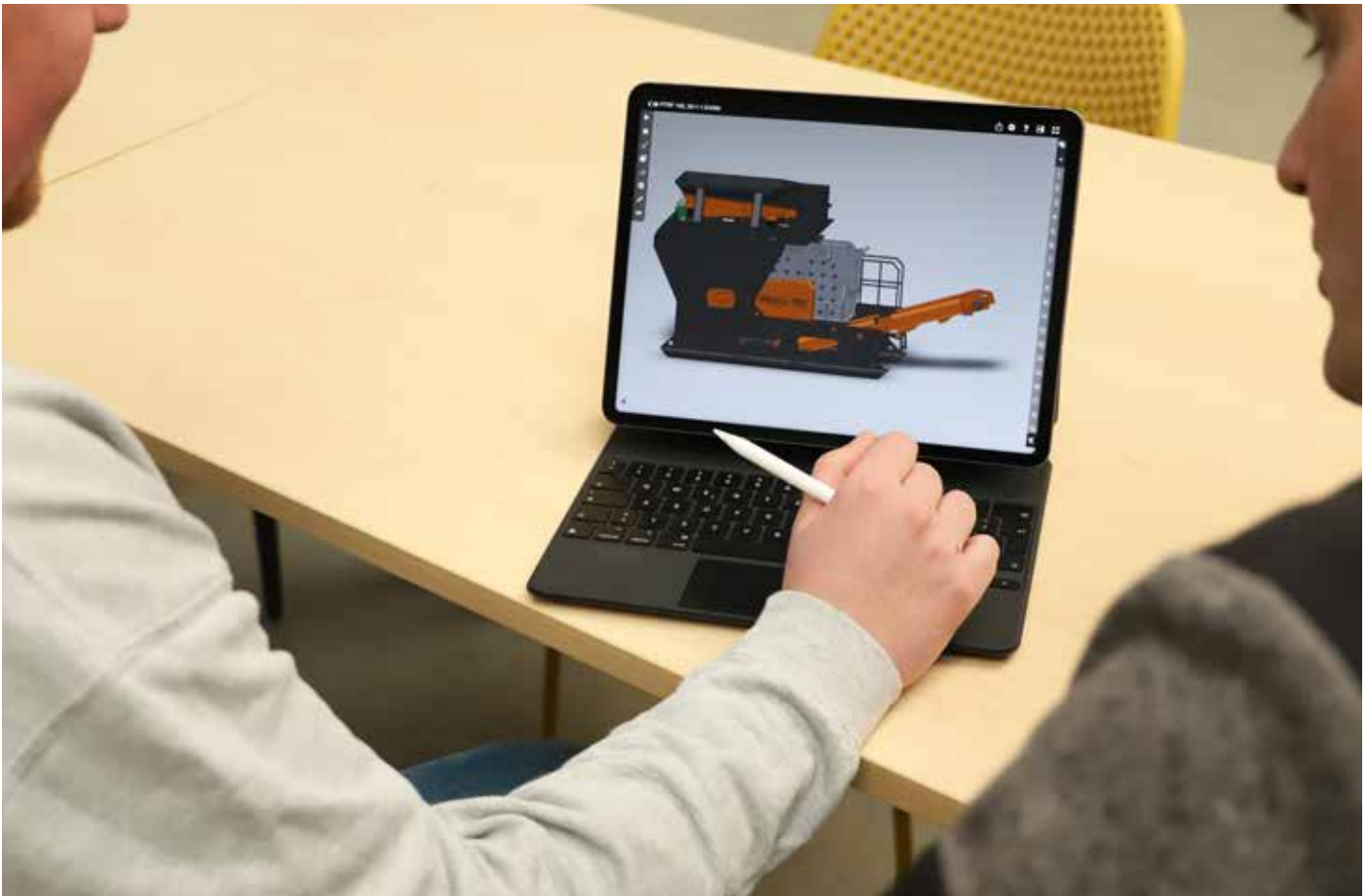
### Assembly and service from the manufacturer

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.



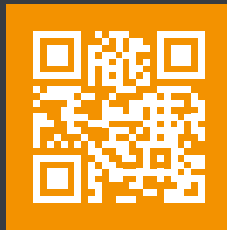
## COOPERATION WITH ORBCON

Innovation through cooperation



Would you like information about our products or a personal consultation directly on site at your machine? For us, it is a matter of course to be at your side with questions about repairs, conversions or production processes in order to

find the best solution for you together. Whether at your site or at a meeting in our office with an obligatory tour through the production. We will be happy to assist you in word and deed.



# PRALL-TEC

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

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