

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



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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

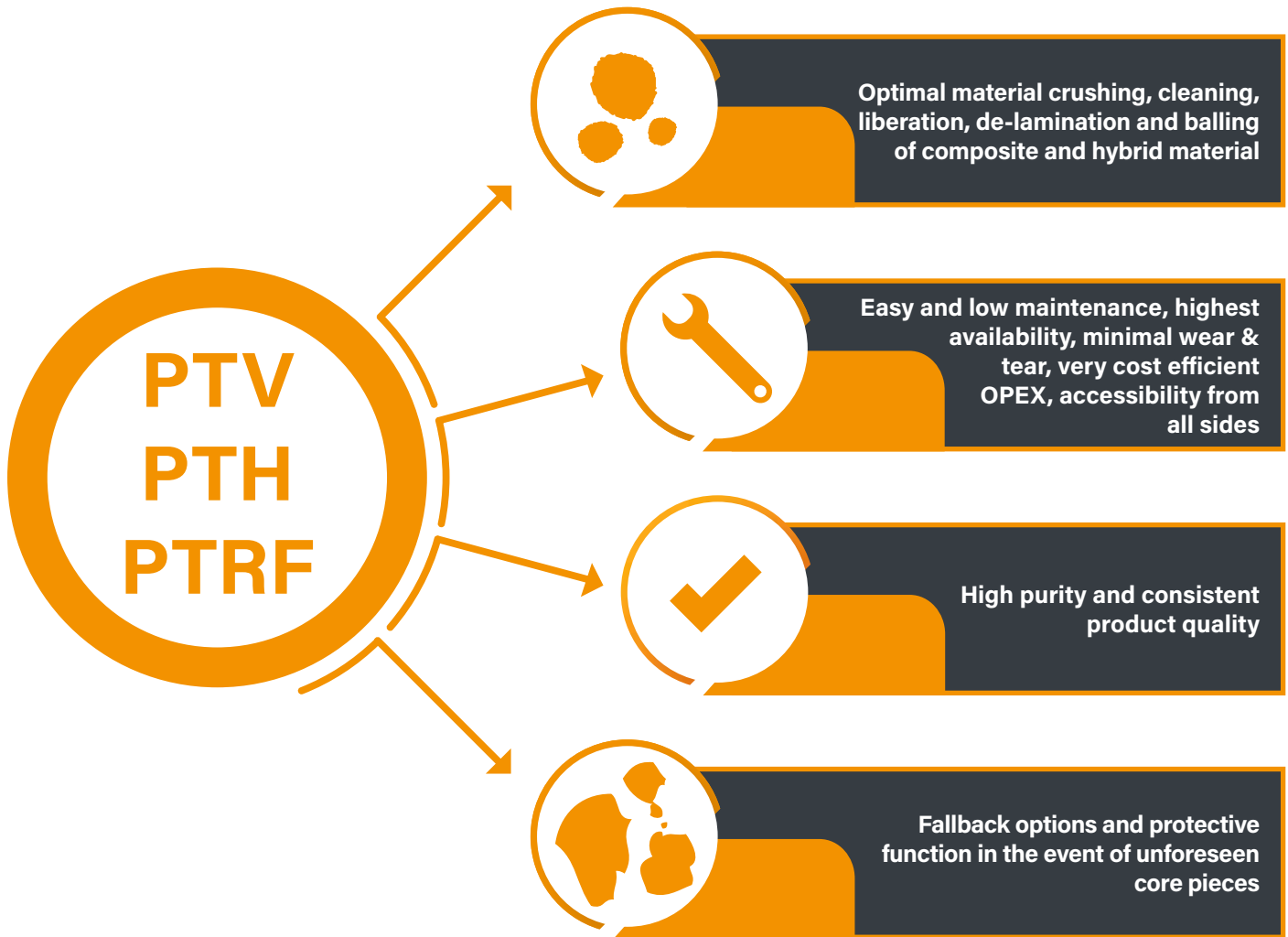
The PTV functions as a universal crushing mill for liberation, cleaning, de-lamination, shaping, and balling of input material. The PTV liberates metals from the input compounds and hybrid material. Ferrous and non-ferrous metals (FE, NFE) containing material is therefore only impacted until the desired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

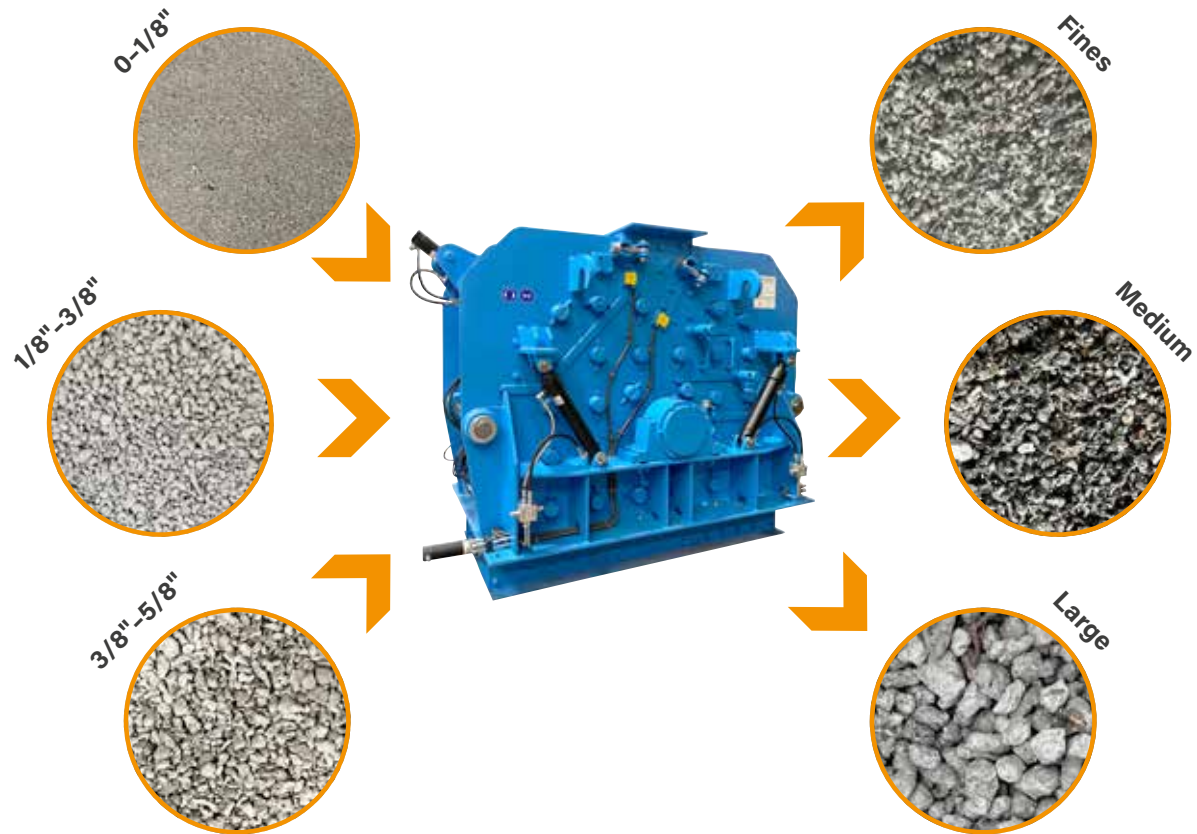


Non-ferrous metals from incinerator bottom ash contain mainly aluminum, copper, brass, zinc, lead, precious metals and residual ash (mineral, glass, ceramic). Through further milling the metals are liberated from the ash-mineral conglomerate

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.



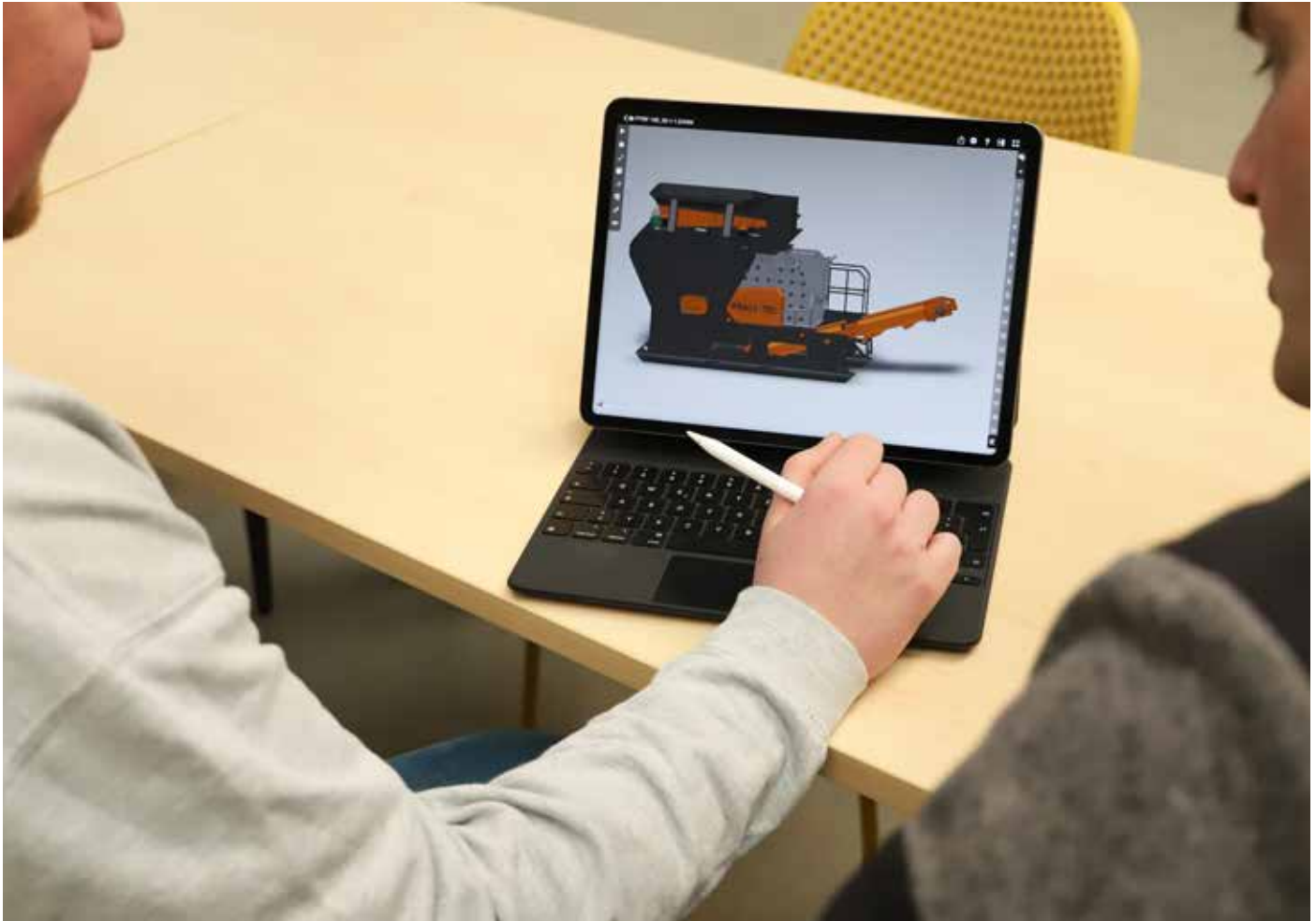
Assembly and service from the manufacturer

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.



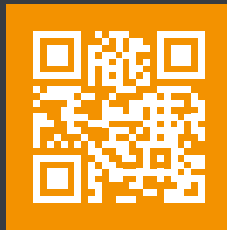
MACHINERY & PLANT CONSTRUCTION FOR EACH CUSTOMER

We will be happy to advise you personally!



If you would like more information about our products or recycling solutions, please contact us directly or our partner ORBCON in the USA. If you have any questions

about products, machines or processing plants, we will be happy to assist you in finding the best individual solution for your material.



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