

PRALL-TEC



YOUR MATERIAL

OUR PT 1.1G2

MOBILE IMPACT CRUSHER

EXPERIENCE MEETS INNOVATION

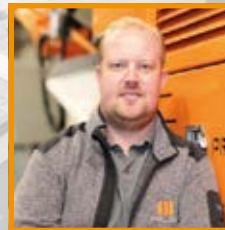
The Company PRALL-TEC

PRALL-TEC



Ralf Teepe

CEO
PRALL-TEC GmbH



Frederik Teepe

CEO
PRALL-TEC GmbH

PRALL-TEC GmbH, headquartered in 49525 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 a constant drive for innovation, is reflected in every machine built by PRALL-TEC GmbH.

The company focuses on the construction and refurbishment of impact crushers, hammer mills, jaw crushers, and shredders. In addition, PRALL-TEC trades in mobile screening systems, wheel- and track-mounted conveyors, used machinery, and spare parts — for both its own equipment and third-party systems.

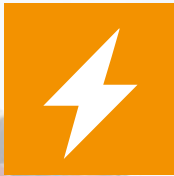
At PRALL-TEC, success is not defined by company size, but by specialized technical knowledge and decades of experience in impact crusher and plant engineering — that's what truly sets us apart.

Thanks to the tireless innovation of managing directors Ralf and Frederik Teepe, the company has built a deep well of application and process engineering expertise, which is fully available to our customers today.

All machines are independently planned, engineered, and entirely manufactured in-house at the company's Lengerich site.

PT1.1G2 – THE NEW GENERATION

The New Innovation Machine



Complete networking of machine, operator, and service through an innovative machine control system



Modified material feeding and material discharge beneath the impact crusher

**2
GENERATION**



Optional: 3 impact crushers or 2 impact crushers + grinding track



200 kW direct drive through fluid coupling with gearbox output for generator and hydraulic system

MOBILE RECYCLING REDEFINED

Main features of the PT 1.1G2



1



**John Deere
302 kW
(T5 ready)**

2



**Direct drive through
fluid coupling**

3



**Weight of the
system
32,0 t**

4



**Discharge chute
under the crusher**

5



**Impact crusher
PT 110/100.**

6



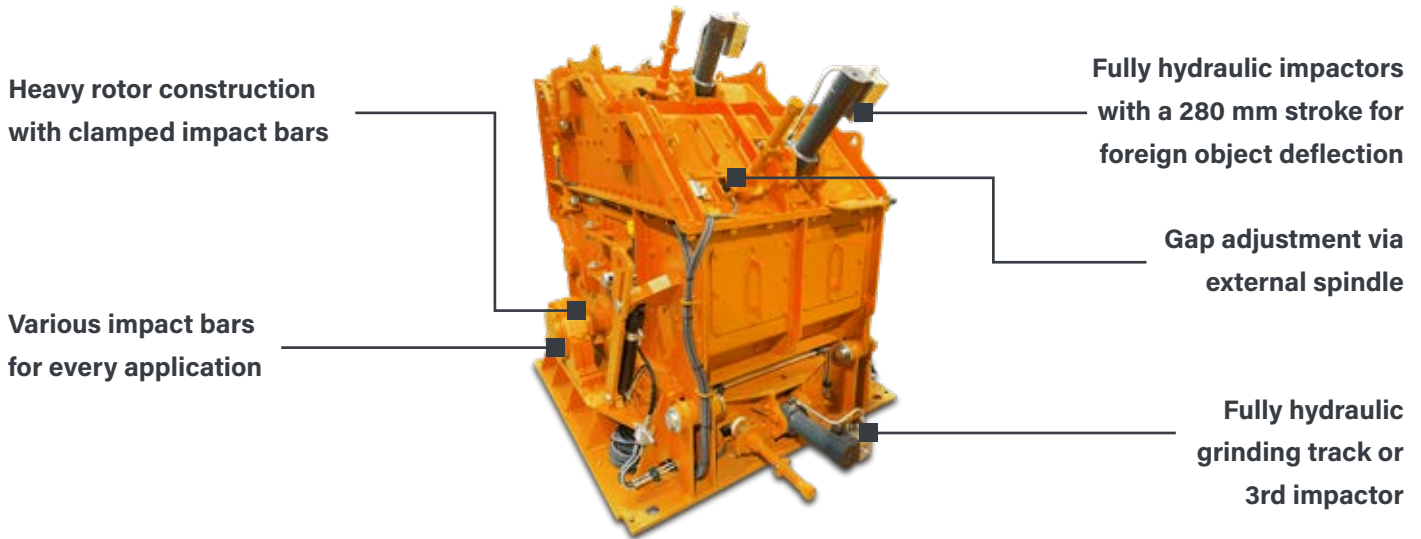
**Processing capacity
per hour**

The machine aims for uncompromising performance in recycling and maximum durability and power in heavy-duty applications involving reinforced concrete, construction debris, and other challenging materials, all while maintaining low operational weight and high flexibility. The impact crusher features fully hydraulic impactors with a 280 mm stroke, equipped with a discharge chute lined with Hardox

wear plates, and is driven by a 200 kW rotor power. All these components, combined with expertise from stationary plant construction, contribute to making it the most powerful crawler-mounted impact crusher in its class, with the additional option to optimize it as a secondary crusher with a grinding track for enhanced performance.

MAXIMUM FLEXIBILITY

Overview of the PT110-100



We would like to introduce you to the advantages and innovations of the latest PT series using the new PT110/100 model. The new models feature fully hydraulic impactor adjustments, and each impactor can be individually removed with a screwable housing cover, making it secure and easy to change the impact plates. Another innovation is the integrated crusher inlet, which saves a significant amount of space, especially in confined areas. The innovative housing

design also allows us to build a more space-efficient impact crusher with the same rotor size. Despite smaller external dimensions, there are no limitations in the deflection paths of the impactors or the throughput per hour. Additionally, all PT impact crushers can be expanded with the optional grinding track, which can be implemented without lengthy modification, turning the impact crusher into a powerful secondary crusher.

THROUGHPUT PER HOUR	WEIGHT IMPACT MILL	FEED SIZE	INLET SIZE	POWER DIRECT DRIVE	FINAL GRAIN
Up to 200 t	8.700 kg	Up to 700 mm	770 mm x 1.020 mm	200 kW	0-10 mm (Grinding track)

FULLY AUTOMATIC PLANT CONTROL

Everything at a glance



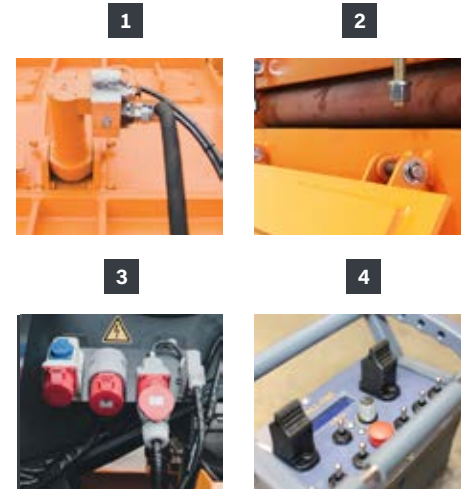
The entire plant is controlled through a 12" large color display, designed to be user-friendly and simplify daily machine operation as much as possible. On the main screen, all relevant information regarding the crusher can be easily recognized at a glance. Different modes such as "Operation," "Impact bar replacement," or "Language" allow additional functions of the plant to be controlled or the language of the interface to be changed in the submenu. The goal was to make the control of a complex plant as

simple as possible for the user. Thus, starting the operation mode is done with a single button, and the control takes care of the rest. Even in the case of heavy soiling, there are no problems, as we exclusively use products that can withstand high-pressure cleaning. Once turned on, the feed rate and all other functions of the plant are automatically regulated, and the plant operator only needs to feed the material. Parameters can also be adjusted via remote control, for example, to increase or decrease the feed rate.

SPECIAL FEATURES OF THE PT1.1

Special features of the PT1.1 at a glance

- Impact crusher with a 1.100 mm impact circle and 200 kW power at the rotor
- Fully hydraulic gap adjustment of the impactors via remote control **1**
- 280 mm deflection path of the impactors for foreign object
- Adjustable inlet bar for optimal utilization of the impact bars **2**
- Quick installation of a grinding track -> machine transforms into a secondary crusher
- Discharge chute under the crusher of an impactor with Hardox wear plates
- Discharge tunnel up to the magnet with water spray
- Fully automatic IFM plant control with a 12" operator display.
- Possibility to connect an electric stacking conveyor 32A **3**
- Remote control of all functions of the PT1.1 possible **4**
- Preliminary screening with switchover flap
- Side conveyor for pre-screening (optional)
- Feed hopper with pre-screening 4.6 m³



Transport and installation dimensions

PT1.1G2	TRANSPORT HEIGHT	TRANSPORT WIDTH	TRANSPORT LENGTH	TRANSPORT WEIGHT
	3.200 mm	3.000 mm	13.800 mm	32.000 kg
PT1.1G2-PRO	TRANSPORT HEIGHT	TRANSPORT WIDTH	TRANSPORT LENGTH	TRANSPORT WEIGHT
	3.200 mm	3.000 mm	13.800 mm	34.500 kg
PT 1.1G2-E-DUAL POWER	TRANSPORT HEIGHT	TRANSPORT WIDTH	TRANSPORT LENGTH	TRANSPORT WEIGHT
	3.200 mm	3.000 mm	12.800 mm	33.500 kg



**The PT1.1 offers operators a multitude of possibilities
in various applications.**

**Both today and in the future, flexibility, transportability,
and easy operation play an increasingly significant role.**

THE APPLICATIONS OF THE PT1.1

Process a variety of products with just one machine

Natural stone



Slag & IBA



Recycling



Natural Stone: High-quality aggregates through crusher grinding track

Slag & IBA: Efficient slag and IBA processing via PRALL-TEC geometry and 3rd impactor

Recycling: Safe recycling with 280 mm impactor deflection path

THE IDEAL BASIS FOR YOUR PREPARATION

Technical data



PT 1.1	THROUGHPUT PER HOUR	WEIGHT	DIMENSIONS L X W X H	PERFORMANCE ROTOR	FINAL GRAIN
	Up to 200 t	32.000 kg	13.800 mm x 3.000 mm x 3.200 mm	200 kW	0-45 mm

A foundation with numerous individual possibilities to tailor the machine perfectly to each task. The planning and implementation, done collaboratively with our customers, play a significant role in every plant, and this is reflected in its subsequent operation.

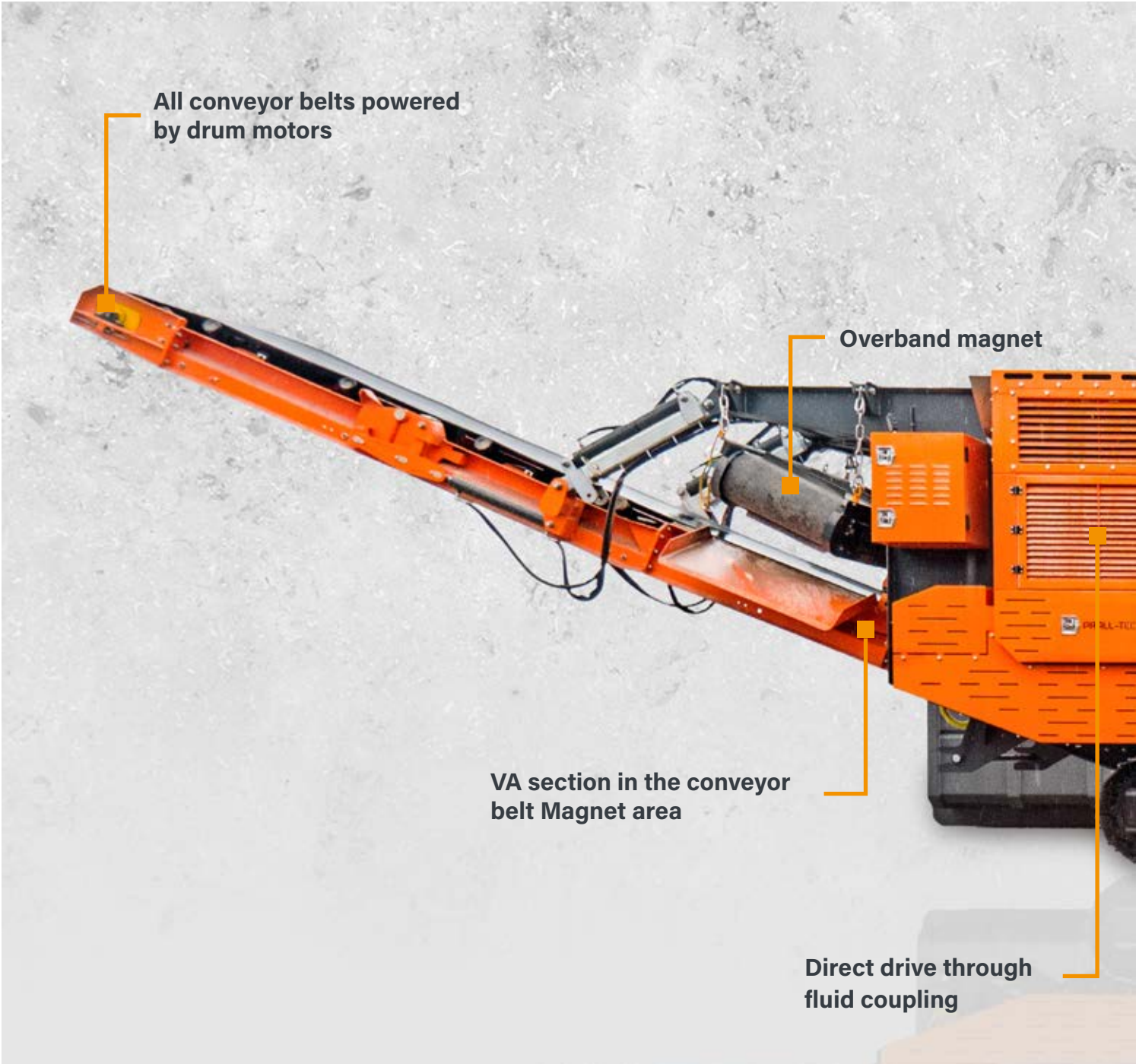


PT 1.1 PRO-G2	THROUGHPUT PER HOUR	WEIGHT	DIMENSIONS L X W X H	PERFORMANCE ROTOR	FINAL GRAIN
	Up to 200 t	34.000 kg	13.600 mm x 2.890 mm x 3.200 mm	200 kW	0-45 mm

Special construction and individual solutions



PT 1.1G2-E	THROUGHPUT PER HOUR	WEIGHT	DIMENSIONS L X W X H	PERFORMANCE ROTOR	FINAL GRAIN
	Up to 200 t	33.000 kg	11.630 mm x 2.500 mm x 3.200 mm	200 kW / 132 kW	0-45 mm

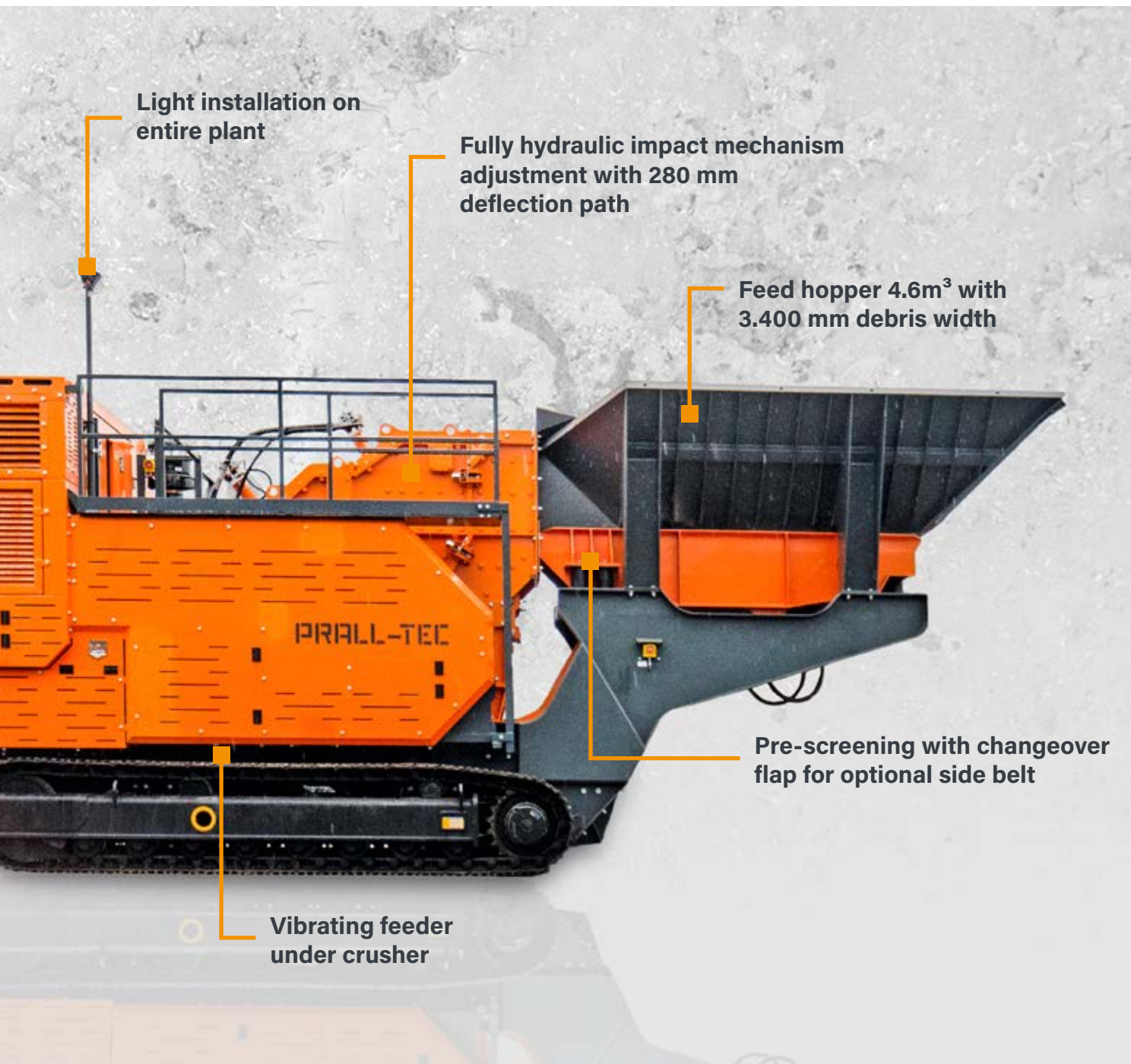


**All conveyor belts powered
by drum motors**

Overband magnet

**VA section in the conveyor
belt Magnet area**

**Direct drive through
fluid coupling**



**Light installation on
entire plant**

**Fully hydraulic impact mechanism
adjustment with 280 mm
deflection path**

**Feed hopper 4.6m³ with
3.400 mm debris width**

**Pre-screening with changeover
flap for optional side belt**

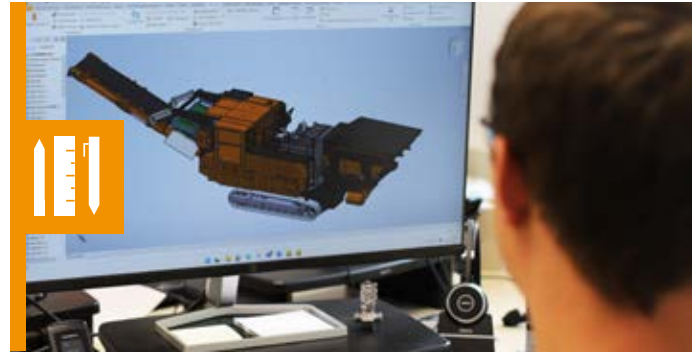
**Vibrating feeder
under crusher**

PERFORMANCE

Overview of the various services

Design and innovation

We develop and design all our machines and systems in-house – from the rotor to the complete recycling system. Customer requests and ideas are an integral part of our planning processes. This close collaboration results in tailor-made solutions for processing and handling a wide variety of materials.



Mechanical and plant engineering

Comprehensive planning, engineering, and construction all from one source. From material input to screening – whether your production volume is 20 to 200 tons per hour, in a quarry or recycling facility – we bring your vision to life.



Installation and Support by the Manufacturer

What matters most to us is that your machine runs smoothly and efficiently. If your rotor or system experiences a sudden fault, we treat the repair with utmost urgency. We maintain a permanent stock of spare parts to ensure your machine's availability. Our skilled service team will promptly handle on-site repairs or part replacements.



CONSULTING

We are happy to provide personal consultation



If you want to learn more about our products or prefer a personal consultation right at your machine, we're here for you. We're happy to assist with any questions about repairs, upgrades, or production workflows to find the best solution

tailored to your needs. Whether visiting you on-site or welcoming you to our office for a tour of our production, we're ready to support you every step of the way.



GET MORE INFORMATION

Scan the respective QR code here to learn more about our products,
watch various videos or get in contact with us

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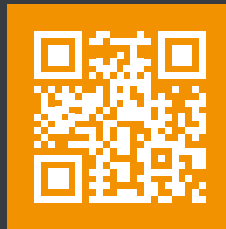


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**THE COMMON GOAL OF DEVELOPING NEW SOLUTIONS
WITH OUR CUSTOMERS AND PARTNERS, WHICH WILL SET
NEW RECYCLING STANDARDS IN THE FUTURE.**

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**FURTHER
INFORMATION**



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