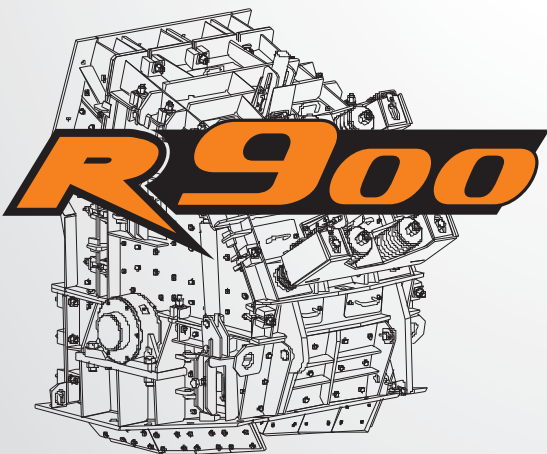


# Product description

## Mobile track mounted Impact crusher R900



[www.rockster.at](http://www.rockster.at)

## Application Areas of R900

### Flexible, powerful and reliable

Due to limited disposal possibilities, rising landfill site tipping costs, and the ever increasing shortage of raw material, an **improved nonpolluting** solution is required.

Consequently recycling and the reprocessing of construction debris nowadays get more and more important.

The mobile crushing plants of **Rockster** guarantee profitable recycling of asphalt, concrete and demolition rubble as well as natural stone. The latest model in the product range of Rockster, the **mobile track mounted Impact Crusher R900**, has already been successfully introduced into the market and ensures best final grain quality.

The R900 is the optimal solution for recycling and crushing procedures of:

concrete



rubble



asphalt

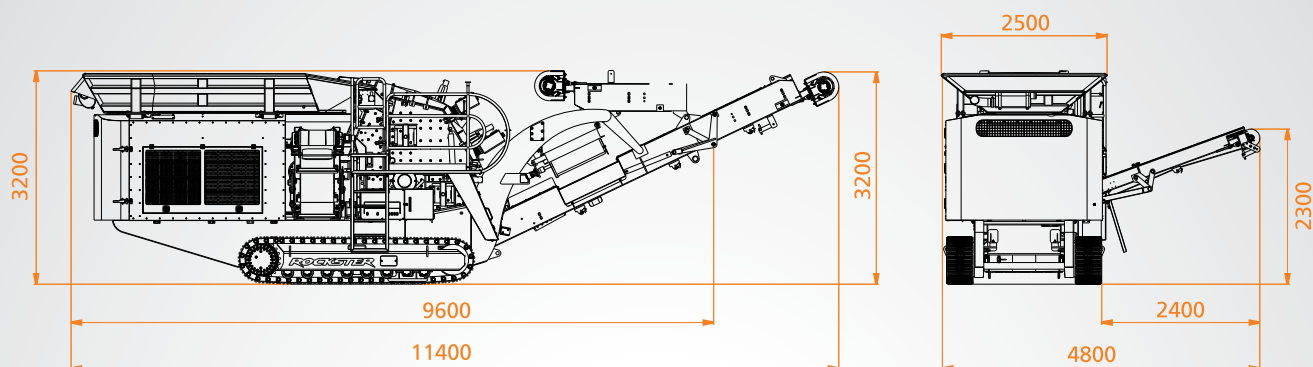


virgin stone



The result:  
Perfect cubic final grain.

## Main dimensions



### Transport dimensions:

Length: 9600 mm  
Width: 2500 mm  
Height: 3200 mm

Transport weight: 25 t

Feeding height: 3200 mm

### Discharge height:

Main discharge belt: 3200 mm  
Side discharge belt: 2300 mm

## Technical Details

### Maximum flexibility

The **Rockster** Impact crusher guarantees **highest performance** at a very high crushing ratio. Due to 2 hydraulically adjustable swing-beams, as well as **variation of the rotor speed**, the final grain can be optimally influenced.

The quality of the hammers is chosen individually, depending on the application and can be used bi-laterally.

High quality wear materials ensure reduced wear.



### Impact crusher

Inlet opening: 900 x 720 mm  
Impact circle diameter: 1020 mm  
Rotor equipment: 4 hammers  
Crushing ratio: 1:10 - 1:50  
Performance: up to 240 t/h  
Rotor speed: up to 850 rpm  
Weight: 7.550 kg  
Drive: hydrostatic

## Technical Details



### Drive:

Motor:	CAT C7
electronically regulated	
Power:	187 kW
Cylinder:	6
Cooling system:	water

The drive system is located at the rear of the machine, enclosed in a sound-proofed housing. For maintenance and service purposes the casing can be opened completely on all sides.

The hydraulic pump for all auxiliary drives (main discharge belt, side discharge belt, vibration channel, crawler gear...) as well as the pump for the hydrostat

are driven via a distributing gear unit which is flange-mounted on the drive motor.

The hydrostat activates the crusher via a V-belt drive.

### Advantages of the hydrostatic drive:

- Individually **adjustment of crusher speed**
- Adjustment of rotating direction
- the usual **clutch is replaced**



### Feed hopper:

Feature:	Hardox 400
Volume:	4 m <sup>3</sup>
Feeding Length:	3800 mm
Feeding width:	2500 mm
Feeding height:	3200 mm



### Vibration channel with pre-screening:

Feature:	Hardox 400
Length pre-screening:	1200 mm
Width:	900 mm
Gap width:	ZigZag 35 mm
Drive:	hydraulic infinitely variable



### Bypass:

The switchable chute (Bypass) allows the discharge of the pre-screened material on the side or main discharge belt.

Easy switch via hand gear - **no special assembly necessary!**

## Technical Details



### Main discharge belt:

Belt width: 1000 mm  
Discharge height: 3200 mm  
Angle: 26°  
Drive: hydraulically, infinitely variable  
For transport the main discharge belt is foldable hydraulically.



### Side discharge belt:

Belt width: 500 mm  
Discharge height: 2300 mm  
Angle: 20°  
Drive: hydraulically  
For transport the side discharge belt is foldable hydraulically.



### Magnetic separator:

Type: Permanent magnet  
Belt width: 750 mm  
Wheel base: 1700 mm  
Weight: 1200 kg  
Drive: hydraulically  
Discharge on both sides



### Caterpillar crawler:

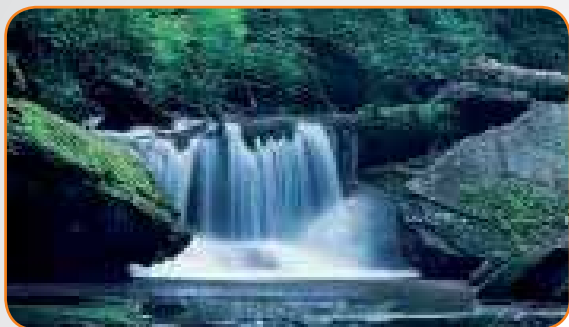
Tread width: 400 mm, slanted  
Wheel base: 2900 mm  
Surface: triple ribbed pads  
Climb: 34°  
Drive: 2-speed hydraulic



### Control panel:

Central Control/Operating unit ensures an easy operation and machine monitoring. Remote control for One-Man-Operation.

## Special features



### Environmental Compatibility:

Reduction of emissions through:

- efficient dust suppression and
- sound-proofed housing



### Expandibility: Duplex System

Due to the identically driving system of the Rockster R800 and R900 (Jaw crusher and Impact crusher) the crushing units of these models are interchangeable on the same base frame.

### The result:

one machine - versatile applications



### Easy service & ideal accessibility:

The large-scale covers allow for an optimal accessibility for service and maintenance and furthermore ensure the optimal ventilation of the drive-unit and the cooler.

## Options:



water pump



central lubrication



Main belt-wear protection



sound protection cover

## Option: Screening system RS83 + RB75



### Defined final grain in one workflow:

The optional screening system - consisting of the compact circular vibrating screen RS83 in combination with the return belt RB75 - is the perfect addition for the track-mounted R900 and R800 (Impact crusher and Jaw crusher) for the production of 100 % defined final grain. The components are mounted directly on the main discharge belt and are driven through the additional hydraulic system of the crushing plant.



### Technical Details:

Screen size: 1800 x 1200 mm  
Standard screen: 34 mm  
Special screens on demand.  
Output: up to 220 t/h

### Discharge conveyor final grain:

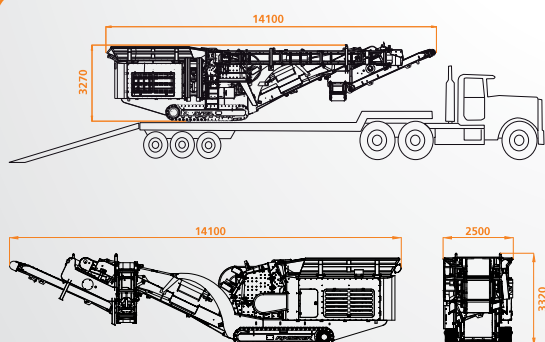
Discharge height: 3100 mm  
Belt width: 800 mm

### Discharge conveyor oversize grain:

Discharge height: 1900 mm  
Belt width: 500 mm

### Return belt oversize grain RB75:

Belt width: 400 mm



### Transport dimensions R900 + RS83 + RB75:

Length: 14100 mm  
Width: 2500 mm  
Height: 3200 mm  
Total weight: 28 t

## General Information

### The company

The company **Kormann Rockster Recycler GmbH** specializes in the development and production of mobile crushing and screening systems. The „Rockster Team“ consists exclusively of long-time market insiders, each bringing **years of experience** into perfecting the Rockster design concept, as well as being personally available to share their expertise with customers.

Customer orientation and maximum customer care is the ultimate ambition of all Rockster products and services.

The key criteria specified by Rockster are **maximum performance** and **quality**, operating and maintenance friendliness as well as smooth transportation due to **compact dimensions** and low weight.

### The ROCKSTER Concept

**R**eliability - maximum reliability due to highest product quality, full hydraulics and minimum electronics.

**O**perating efficiency - highest efficiency due to problem-free transport (no special permits), simple maintenance and handling.

**C**apacity - highest capacity due to high speed rotor and enormous power reserves for the drives.

**K**nowledge - Realization of practical experience of many years in a progressive machine concept.

**S**ervice - 24/7 service for rapid support for problems as well as immediate availability of all spare and wearing parts.

**T**echnology - Production of high-quality crushing product due to optimal organization of the crushing procedure. The use of exclusively long time approved market components guarantees highest technical standard.

**E**nvironment friendly - Fulfilment of highest environmental standards due to installation of low-pollution engines as well as complex acoustic insulation.

**R**evenue - Shortest amortization due to small investment and operating costs. Unique possibility of additional increase of machine efficiency due to the Rockster Duplex-System.



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