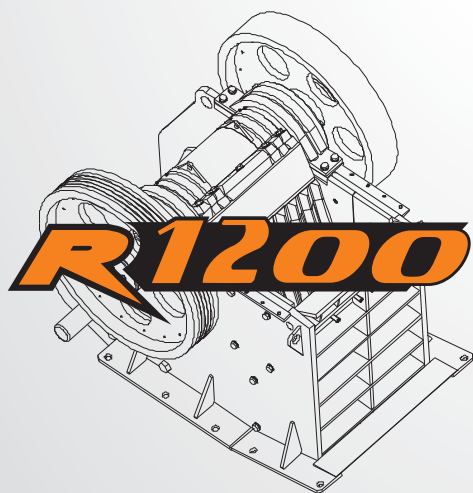


# Product description

## Mobile track-mounted Jaw Crusher R1200



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

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**ROCKSTER**  
RECYCLER

## Application areas of R1200

### The turbo-crusher with compact measures

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 track mounted Jaw Crusher R1200** of Rockster is based on a hydraulic concept and the ideal solution for any applications which demand highest requirements to the wear parts. Beside recycling in Construction and Demolition (C&D) recycling, this robust crusher can perform on the toughest of aggregates in the hardest and most abrasive of conditions.

The R1200 is the optimal solution for recycling and crushing procedures of:

concrete



rubble



bricks



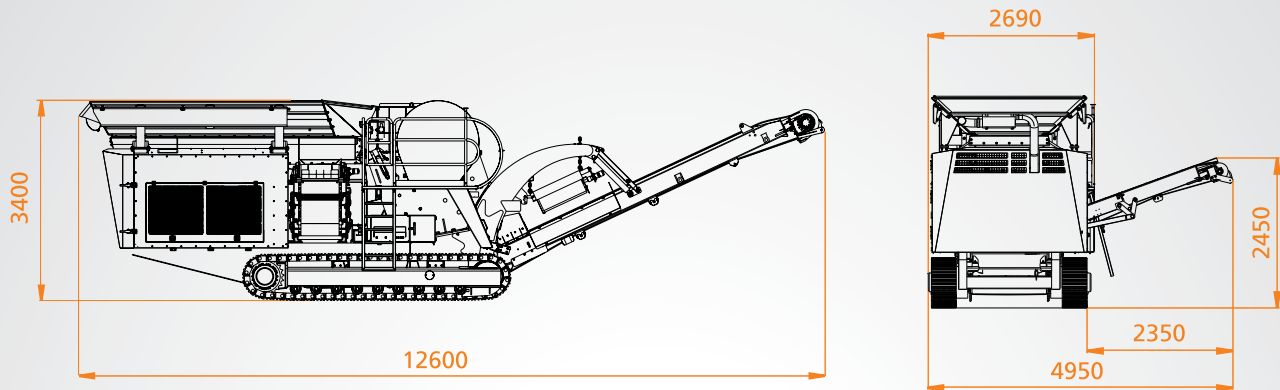
virgin stone



**The result:  
perfect final grain**

**ROCKSTER®**  
RECYCLER

## Main dimensions



### Transport dimensions:

Length: 12600 mm  
Width: 2690 mm  
Height: 3400 mm

Transport weight: 38,9 to

Feeding height: 3400 mm

### Discharge height:

Main discharge belt: 3200 mm  
Side discharge belt: 2450 mm

## Technical details

### Maximum flexibility

The **hydraulic Jaw crusher R1200** is driven through a powerful, electronic controlled **CAT-engine**, the crusher itself is driven via a hydrostatic motor, and the **gap adjustment is hydraulically** governed. The material is fed over a vibrating channel.

The „grizzly“-section - situated at the end of the vibrating channel - is **fully interchangeable** and guarantees reliable pre-screening of the material. This material falls into an adjustable bypass-chute allowing the discharge to the main or side conveyor belt.



### Jaw crusher

Inlet opening: 1200 x 680 mm  
Crushing ratio: 1:12  
Gap adjustment: hydraulic  
Performance: up to 280 t/h  
Weight: 14.500 kg  
Drive: hydrostatic  
Speed adjustable: 0 - 320 rpm



## Technical Details



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

### Drive:

Motor:	CAT C9
electronically regulated	
Power:	242 kW
Cylinder:	6
Cooling system:	water

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:	5 m <sup>3</sup>
Feeding length:	4400 mm
Feeding width:	2500 mm
Feeding height:	3250 mm



### Vibration channel with pre-screening:

Feature:	Hardox 400
Length pre-screening:	1800 mm
Width:	1100 mm
Gap width:	ZigZag 30 mm
Option:	bar screen
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: 1200 mm  
Discharge height: 3200 mm  
Angle: 25°  
Drive: hydraulically, infinitely variable  
For transport the main discharge belt is foldable hydraulically.



### Side discharge belt:

Belt width: 650 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: 1350 kg  
Drive: hydraulically  
Discharge on both sides



### Caterpillar crawler:

Tread width: 400 mm, slanted  
Wheel base: 3800 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 R1200 and R1100 (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



sound protection cover



## Option: Screening systems RS94 + RB85



### Defined final grain in one workflow:

The optional screening system - consisting of the compact circular vibrating screen RS94 in combination with the return belt RB85 - is the perfect addition for the track-mounted R1100 and R1200 (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: 2600 x 1350 mm

Standard screen: 34 mm

Special screens on demand.

Output: up to 260 t/h

### Discharge conveyor final grain:

Discharge height: 3350 mm

Belt width: 1200 mm

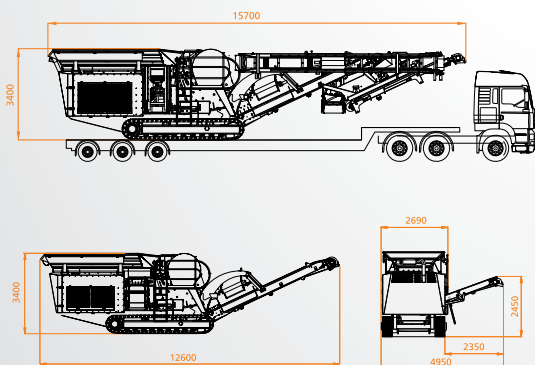
### Discharge conveyor oversize grain:

Discharge height: 2000 mm

Belt width: 650 mm

### Return belt oversize grain RB85:

Belt width: 650 mm



### Transport dimensions R1200 + RS94 + RB85:

Length: 15700 mm

Width: 2690 mm

Height: 3400 mm

Total weight: 43,6 to

# 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.

## Das 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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