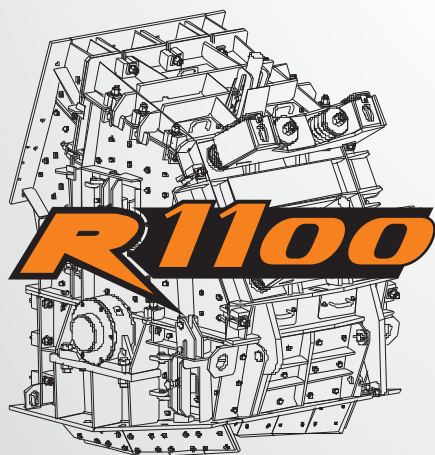


Technical description

Mobile track mounted Impact crusher R1100



www.rockster.at

Application Areas of R1100

The Turbo-crusher with compact dimensions

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 R1100**, has already been successfully introduced into the market and ensures best final grain quality.

The R1100 is the optimal solution for recycling and crushing procedures of:

concrete



rubble



asphalt

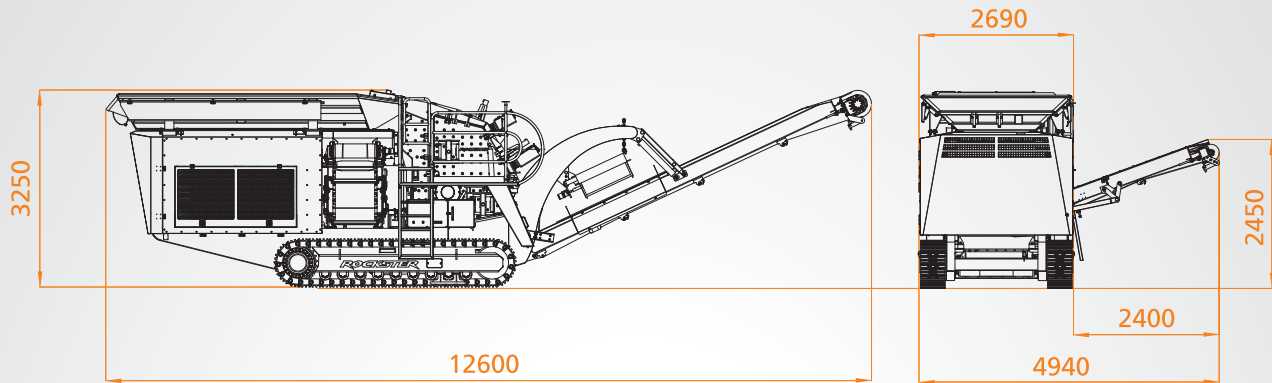


virgin stone



The result:
perfect cubic final grain.

Main dimensions



Transport dimensions:

Length: 12600 mm
Width: 2680 mm
Height: 3250 mm

Transport weight: 32,6 to

Feeding height: 3250 mm

Discharge height:

Main discharge belt: 3250 mm
Side discharge belt: 2450 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 bilaterally.

High quality wear materials ensure reduced wear.



Impact crusher

Inlet opening: 1100 x 720 mm
Impact circle diameter: 1020 mm
Rotor equipment: 4 hammers
Crushing ratio: 1:10 - 1:50
Performance: up to 350 t/h
Rotor speed: up to 850 rpm
Weight: 9.400 kg
Drive: hydrostatic

Technical Details



Drive:

Motor:	CAT C9
electronically regulated	
Power:	242 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:	5 m ³
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:

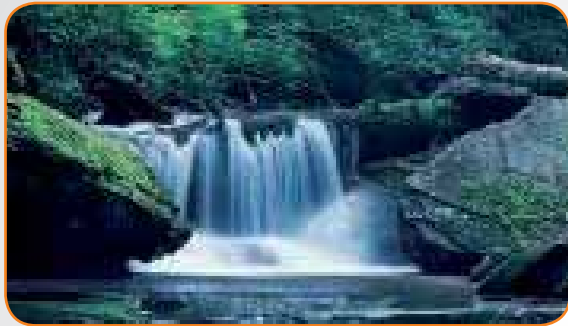
Tread width: 400 mm, slanted
Wheel base: 3200 mm
Surface: triple ribbed pads
Climb: 34°
Drive: 2-speed hydraulic



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



Main belt - wear protection



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

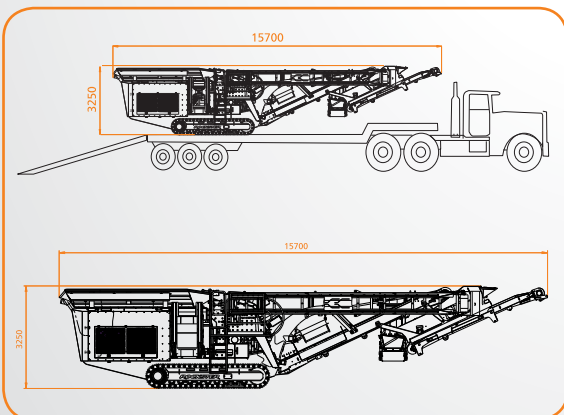
Discharge conveyor oversize grain:

Discharge height: 2000 mm

Belt width: 650 mm

Return belt oversize grain RB85:

Belt width: 650 mm



Transport dimensions R1100 + RS94 + RB85:

Length: 15700 mm

Width: 2690 mm

Height: 3250 mm

Total weight: 37,3 t

General Informationen

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

Reliability - maximum reliability due to highest product quality, full hydraulics and minimum electronics.

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

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

Knowledge - Realization of practical experience of many years in a progressive machine concept.

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

Technology - 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.

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

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



www.rockster.at