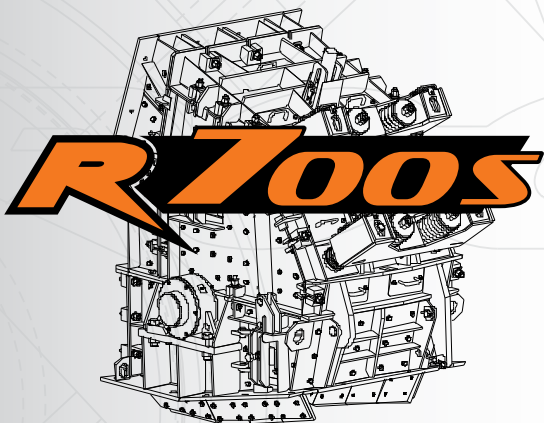


Product description

Mobile track mounted impact crusher R700S



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ROCKSTER
RECYCLER

Application areas of R700S

Flexible, powerful and reliable

The mobile impact crusher R700S was specially developed for applications on limited space - as happening on innercity jobsites.

The R700S is easily transported from one jobsite to another through its **optimal measures** and is the perfect combination of **compactness** and **maximum performance**.

The **mobile track mounted impact crusher R700S** made by Rockster is based on a fully hydraulically concept and allows flexible recycling of asphalt, concrete and demolition debris.

Moreover, the R700S is also excellent suitable for processing of natural stone.

The R700S is the optimal solution for recycling and crushing procedures of:

concrete



demolition debris



asphalt

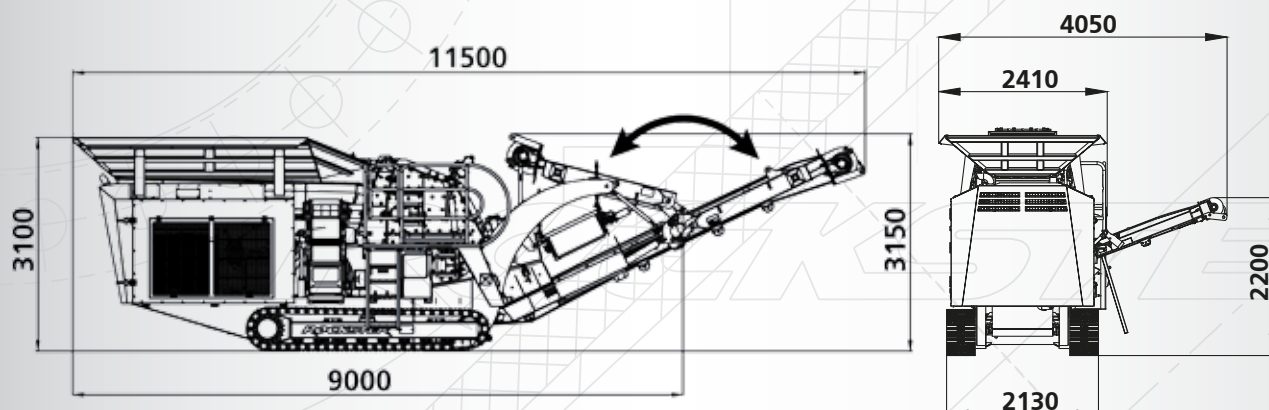


virgin stone



**The result:
perfect cubic final grain**

Main dimensions



Transport dimensions:

Length:	9,00 m		29.6 ft
Width:	2,41 m		8.0 ft
Height:	3,10 m		10.2 ft
Height folded main belt:	3,15 m		10.4 ft
Transport weight:	19,3 t		42,600 lbs

Feeding height:

3,10 m | 10.2 ft

Discharge height:

Main discharge belt:	~ 3,0 m		~ 9.9 ft
Side discharge belt:	~ 2,2 m		~ 7.3 ft

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:	710 x 650 mm 28 x 26 in
Impact circle diameter:	930 mm 37 in
Rotor equipment:	4 hammers
Crushing ratio:	1:10 - 1:50
Performance:	up to 150 t/h 170 st/h
Rotor speed:	up to 850 rpm
Drive:	hydrostatic
Gap adjustment:	hydraulic

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 chute, crawler gear...) as well as the pump for the hydrostat are driven via a distributing gear unit which is flange-

Drive:

Engine: VOLVO TIER3 160 kW | 215 hp
VOLVO TIER4f 160 kW | 215 hp
Cylinder: 6
Cooling system: water

mounted on the drive engine.

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

Advantages of the hydrostatic drive:

- individual **adjustment of crusher speed**
- the usual **clutch is replaced**



Feedhopper:

Material: Hardox 400
Volume: 3,2 m³ | 4.2 yd³
Feeding length: 3350 mm | 11.0 ft
Feeding width: 2100 mm | 6.9 ft
Feeding height: 3100 mm | 10.2 ft



Vibration chute with pre-screening:

Material: Hardox 450
Length pre-screening: 1100 mm | 3.6 ft
Type: ZigZag
Option: bar screen
Drive: hydraulic
continuously 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: 800 mm | 32 in

Discharge height: ~ 3,0 m | ~ 9.9 ft

Angle: 25,5°

Drive: hydraulic, continuously variable

The main discharge belt is foldable hydraulically for transport.



Side discharge belt:

Belt width: 400 mm | 16 in

Discharge height: ~ 2,2 m | ~ 7.3 ft

Angle: 21°

Drive: hydraulic

The side discharge belt is foldable hydraulically for transport.



Magnetic separator:

Type: Permanent magnet

Belt width: 750 mm | 30 in

Drive: hydraulic



Caterpillar crawler:

Tread width: 400 mm | 16 in
slanted

Wheel base: 2900 mm | 9.6 ft

Surface: triple ribbed pads

Drive: 2-speed hydraulic



Control panel:

Central control/operating unit ensures an easy operation and machine monitoring in connection with a remote control.

Special features



Environmental compatibility:

Reduction of emissions through:

- efficient dust suppression and
- sound-proofed housing



Easy service & ideal accessibility:

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



Options:



belt weigh scale



water pump



central lubrication



main belt - wear protection



air compressor



sound protection cover



hammer exchange system

Option: Screening system

Screenbox RS73 + double functional return/stockpile belt RB65



Defined final grain in one workflow:

The optional screening system - consisting of the compact circular vibrating screen RS73 in combination with the return belt RB65 - is the perfect addition for the track-mounted R700S 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.



working position - oversize return



working position - oversize stockpile



Transport - Screenbox & return belt on machine



Transport - Screenbox splitted from machine

Technical details:

Screen size: 1830 x 1000 mm | 6 x 3.3 ft

Standard mesh: 38 mm | 1.5 in

Special screens on demand.

Discharge conveyor fines:

Belt width: 800 mm | 32 in

Discharge height: ~ 2,9 m | ~ 9.5 ft

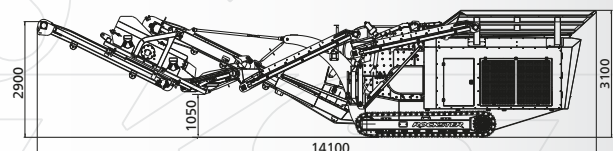
Discharge conveyor oversize grain:

Belt width: 400 mm | 16 in

RB65 return or stockpile belt:

Belt width: 400 mm | 16 in

Discharge height: ~ 3,4 m | ~ 11.2 ft



Transport dimensions R700S + RS73 + RB65:

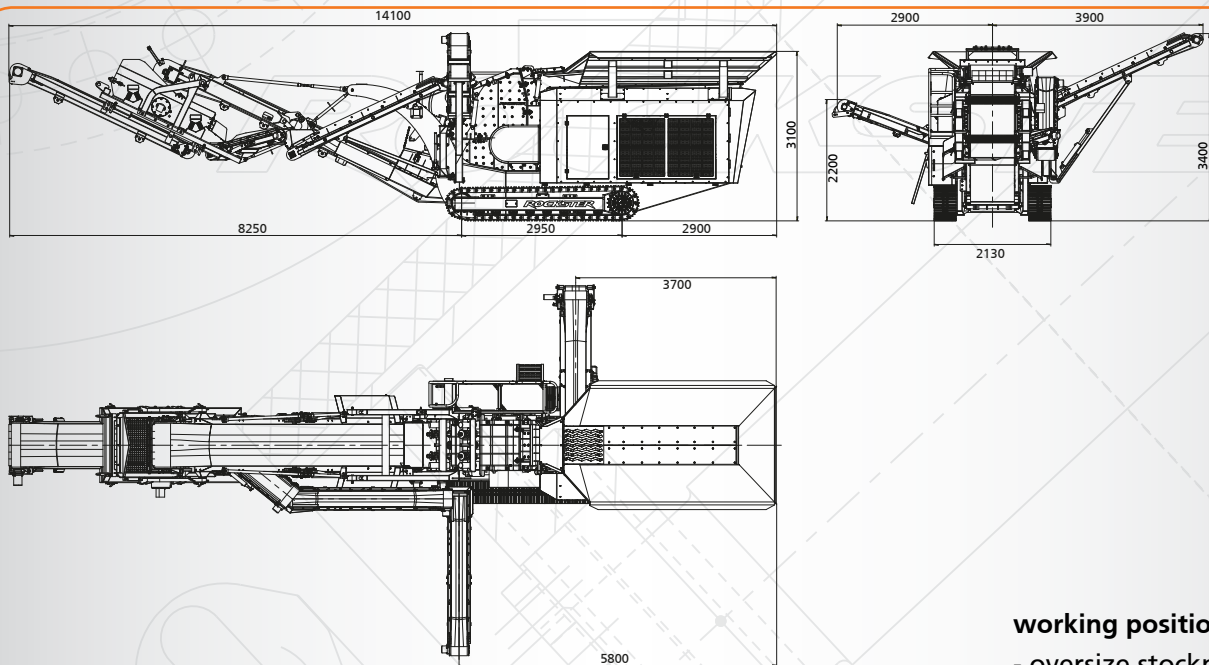
Length: 14,10 m | 46.3 ft

Width: 2,52 m | 8.3 ft

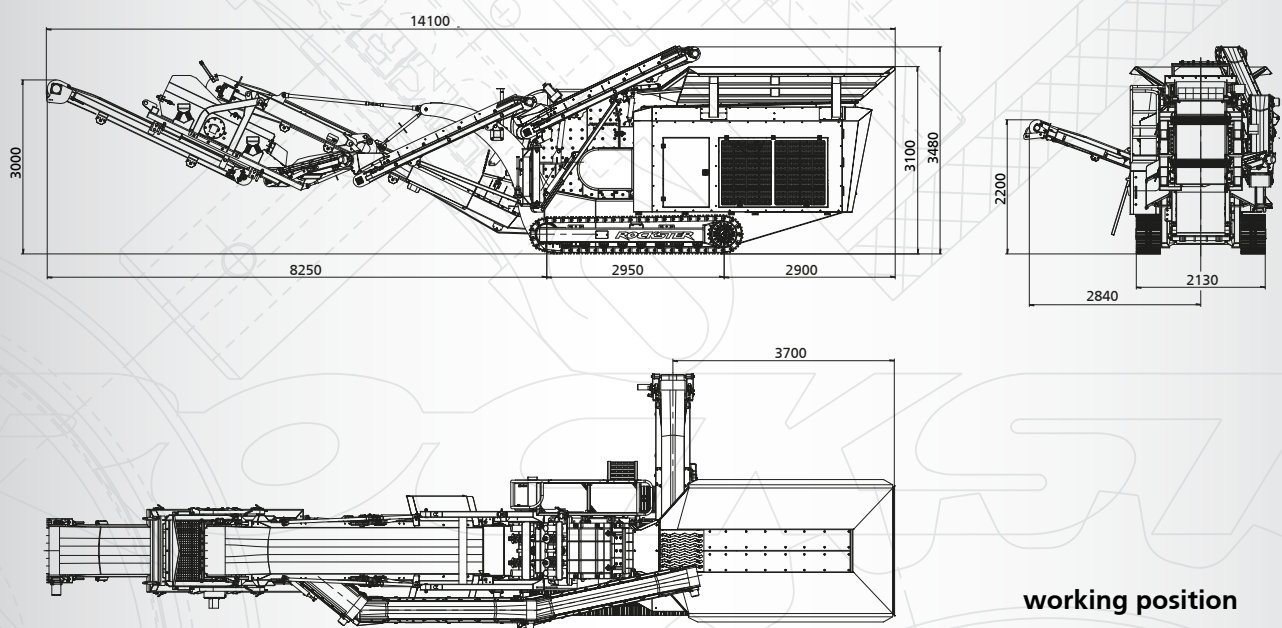
Height: 3,10 m | 10.2 ft

Total weight: 21,8 t | 48,100 lbs

Measures R700S with screening system



working position
- oversized stockpile



working position
- oversized return

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 easy transportation due to **compact dimensions** and low weight.

The ROCKSTER concept

RELIABILITY - maximum reliability due to the highest product quality standards.

OPERATING EFFICIENCY - higher operational efficiency due to the transport dimensions (easy transport – no special permits in many cases), simple maintenance and handling.

CAPACITY - higher production capacity as a result of special high-speed rotor and enormous power reserves for the drive systems.

KNOWLEDGE - many years of practical experience in advanced machine design creates tremendous value for customers.

SERVICE - round-the-clock service and support is the company hallmark, with rapid response and immediate availability of spare and wear parts.

TECHNOLOGY - using industry-standard brand components assures adherence to the highest technical standard.

ENVIRONMENT FRIENDLY - engineered to meet the highest environmental standards with the installation of low-pollution engines and complex sound suppression systems.

REVENUE - designed to meet customers' revenue and return-on-investment requirements due to low investment and operating costs, plus the unique advantages of the DUPLEX system – maximizing machine utilization with multiple crusher capabilities on one carrier.

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Print and punctuation errors excepted. Content is subject to change without notice.

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