

PRODUCT DESCRIPTION



R800

MOBILE TRACK-MOUNTED JAW CRUSHER

Inlet opening

800 x 500 mm / 32" x 20"

Performance

bis zu 120 t/h / 140 st/h*

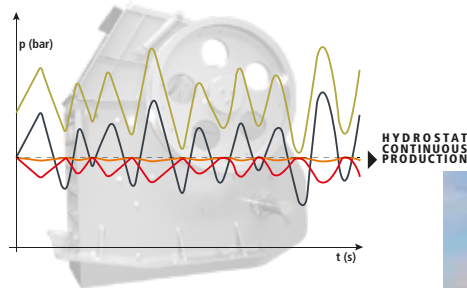
Weight

25,7 t / 56.700 lbs





Continuous power to the rotor, independent from the engine, for constant crushing performance.



Rockster's hydrostatic drive makes sure that the engine runs in optimum rpm independent from the rotor.



Compact, mobile & easily moved on the construction site. Less down-time.



**CONSTANT
PERFORMANCE**



**HYDROSTATIC
DRIVE**



**MAXIMUM
FLEXIBILITY**



**INCREASED
MOBILITY**



**LONG-TERM
RELIABILITY**



**EASE OF
OPERATION**



Optimal transport dimensions for fast loading and unloading of the crusher.



Quality parts from leading component manufacturers.



Intuitive easy-to-use central machine control unit with a radio remote control.



Perfect final grain

COMPACT. FLEXIBLE. POWERFUL.

Rising landfill costs and raw material prices, as well as the need for waste separation, makes the recycling of construction materials very pertinent. This not only protects the environment, but also helps building contractors to save costs.

Rockster mobile crushers guarantee profitable recycling of concrete, demolition debris and

especially for processing hard natural stone. The compact mobile track-mounted **jaw crusher R800** offers best mobility and high ease of use because of numerous technological refinements. Versatile setting options ensure superb quality of the final product and increased versatility.

R800 - your reliable, compact solution for recycling and crushing of:

CONCRETE



Recycled concrete blocks 0/16

C&D WASTE



Subbase road 0/32

BRICK



Refilling pipelines 0/64

VIRGIN STONE



Subbase road 0/32



SCAN & WATCH

„It's a transportation thing. We want to be able to transport this machine ourselves at short notice. This works extremely well with our flat-bed trucks. We can also drive upwards the corresponding forest roads or crush the material on site to a desired material size for various customers and that works very well with this machine size.“

Peter Happenhofer, CEO
Happenhofer Bau, Austria



„The advantages of this crusher are compact transport dimensions and little weight that do not have special restrictions for transport. Additional benefits are increased maintenance interval to 1000 hours, low service and usage costs thanks to little wear.“ **Maksim Perminov, Kombinat**



SCAN & WATCH



„The Rockster-Duplex-System is a big advantage due to its flexibility of being able to exchange its crusher units – from impact to jaw crusher on one machine. That expands our potential customer base & increases the utilization of the machine“ **Auto-Bau, Poland**



SCAN & WATCH

MAIN DIMENSIONS

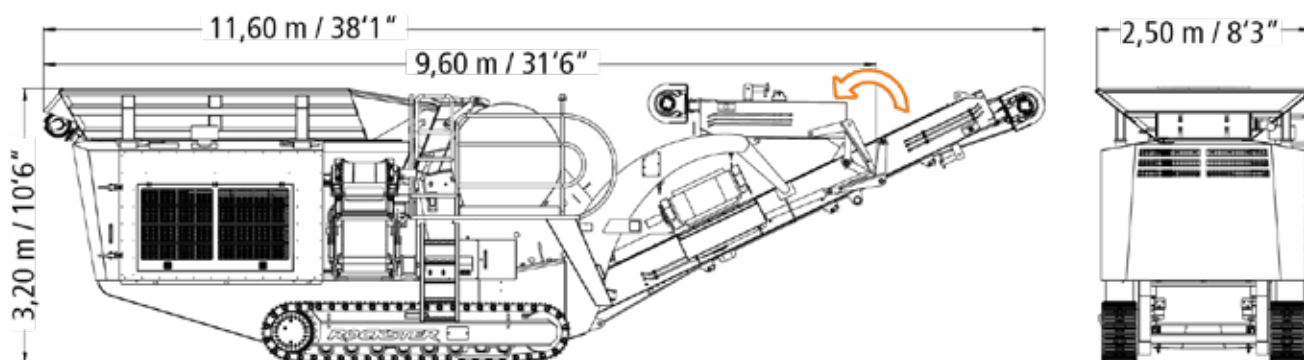


Transport dimensions

Length:	31'6" / 9,60 m
Width:	8'3" / 2,50 m
Height:	10'6" / 3,20 m
Transport weight:	56.700 lbs / 25,7 t

Feeding & discharge height

Feeding height:	10'6" / 3,20 m
Main discharge belt:	~ 10'6" / 3,20 m
Side discharge belt:	~ 7'7" / 2,30 m



Jaw crusher

Inlet opening:	32" x 20" / 800 x 500 mm
Crushing ratio:	1:8
Performance:	up to 120 t/h / 140 st/h
Rotor speed (continuously adjustable):	up to 320 min ⁻¹
Weight:	17,600 lbs / 8.000 kg
Drive:	hydrostatic
Gap adjustment (adjusted on display):	fully hydraulic
Crusher outlet:	420 mm



1. Maximum flexibility for top performance

The Rockster jaw crusher guarantees the highest performance with a very high crushing rate. The crushing gap is hydraulically adjustable, which allows for a precisely defined size of the final product.

2. High quality wear material

The R800 is mostly used as an addition to a R900d duplex system in which case the jaw crusher is utilized as a primary crushers and the R900 impactor as a secondary on in order to optimally process hard natural rock.

3. High quality wear materials

Rockster uses only high-quality wear materials. This not only ensures low wear, but also ensures a reduction in daily operating costs.

Drive

Engine (electronically regulated):	Volvo Tier 3A / Stage IIIA - 200 kW / ~268 HP
	Volvo Tier 4 Final / Stage IV - 210 kW / ~282 HP
	Volvo STAGE V - 210 kW / ~282 HP
Cylinder:	6
Cooling system:	water

The drive system is located at the rear of the machine, enclosed in a sound-proofed housing. Engine openings are positioned on all sides for easy access, service and overall maintenance.

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



ADVANTAGES OF THE HYDROSTATIC DRIVE

- > Elimination of conventional clutch. No wear.
- > Individual adjustment of crusher speed
- > Crusher overload protection
- > Power adjustment according to individual requirements
- > Uniform throughput
- > Enormous power reserves
- > Adjustment of rotating direction (Duplex)

Feed hopper

Material:	Hardox 400
Volume:	5.3 yd³ / 4,0 m³
Length:	12'6" / 3800 mm
Width:	8'2" / 2500 mm
Height:	10'6" / 3200 mm



Vibration chute with pre-screening

Material:	Hardox 450
Length:	47" / 1200 mm
Width:	36" / 900 mm
Type:	Zig zag
Option:	bar screen
Drive:	hydraulic - continuously adjustable



Bypass

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

Easy switch via hand lever.

No special assembly necessary.

No wear. No service.



Main discharge belt

Belt width:	40" / 1000 mm
Discharge height:	~ 10'6" / 3,20 m
Angle:	26°
Drive:	hydraulic, continuously variable

The main discharge belt is hydraulically foldable for transport purposes.



Side discharge belt

Belt width:	20" / 500 mm
Discharge height:	~ 7'6" / 2,30 m
Angle:	20°
Drive:	hydraulic

The side discharge belt is hydraulically foldable for transport purposes.



Magnetic separator

Type:	Permanent magnet
Belt width:	30" / 750 mm
Weight:	2645 lbs / 1200 kg
Drive:	hydraulic



Caterpillar crawler

Tread width:	16" / 400 mm - slanted
Wheel base:	9'6" / 2.90 m
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 wireless remote control.

Fully automatic engine Start-Stop system with only one button.

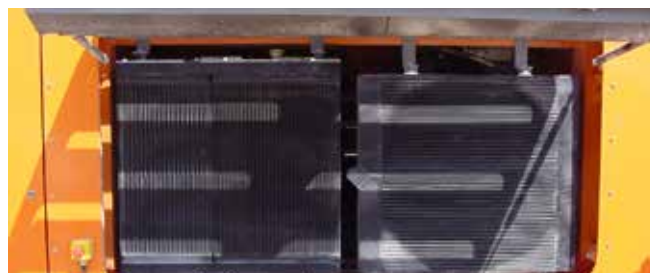
- › Save the operation settings for various applications
- › Error monitoring - error log
- › Input & output status
- › Fast start of operation (QUICKSTART-Function)



Ideal accessibility



Large covers enable optimal accessibility when it comes to service and maintenance. Furthermore they ensure optimal ventilation of the drive-unit and the cooler. It makes it a dream for every service technician when it comes to service and maintenance.



OPTIONS



1 Belt weigh scale incl. printer



2 Air compressor



3 Water pump



4 Central lubrication system



5 Dust suppression

OPTIONS

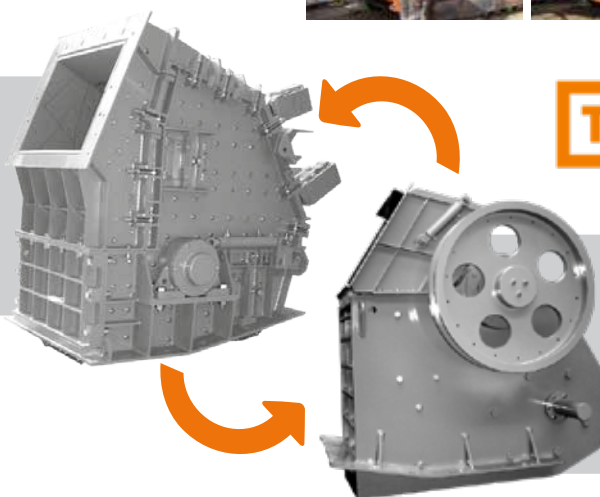


DUPLEX SYSTEM

The unique design of the ROCKSTER crusher allows the transformation from a jaw crusher to an impact crusher and vice versa in only a few hours. Achieve maximum machine utilization by using one carrier and different crusher units to rapidly adapt to different job requirements.



ROCKSTER
DUPLIX
Impact crusher



THE ORIGINAL
since 2004

ROCKSTER
Jaw crusher

AIR BLOWER - for cleaner and higher quality final product

RVB1700

The Rockster Air blower RVB1700 is used to efficiently separate non-aggregates from the final end-material, which results in a cleaner and higher quality final product. This enables Rockster customers to work more environmentally friendly and economically.



Technical details

Air volume:	up to 1.700 m³/h / 2,223 yd³/h
Differential pressure:	up to 7.000 Pa
Drive power:	up to approx. 15 kW / 20 hp
Drive - rpm:	up to 3.200 min -1
Weight:	approx. 150 kg / 330 lbs



VIDEO



OPTION: SCREENING SYSTEM SCREEN BOX RS83 + RETURN BELT RB75



Defined final product in one workflow

The optional screening system consists of the compact circular vibrating screen RS83 in combination with the return belt RB75. The screening system is a perfect addition for the production of 100 % defined final grain.

The components are mounted directly onto the main discharge belt and are driven through the additional hydraulic system of the crusher.



Vibrating screen

Screen size:	6' x 4' / 1830 x 1200 mm
Standard mesh:	1 1/2" / 38 mm

Special screens available on demand



Discharge conveyor - fines

Belt width:	32" / 800 mm
Discharge height:	~ 10'5" / 3,20 m



Discharge conveyor - oversize grain

Belt width:	20" / 500 mm
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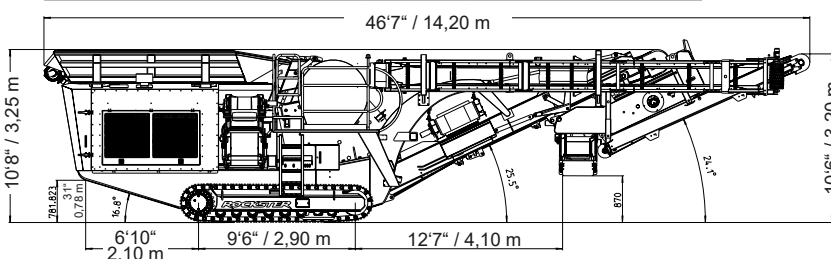


RB75 return belt

Belt width:	16" / 400 mm
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Transport dimensions R800 + RS83 + RB75

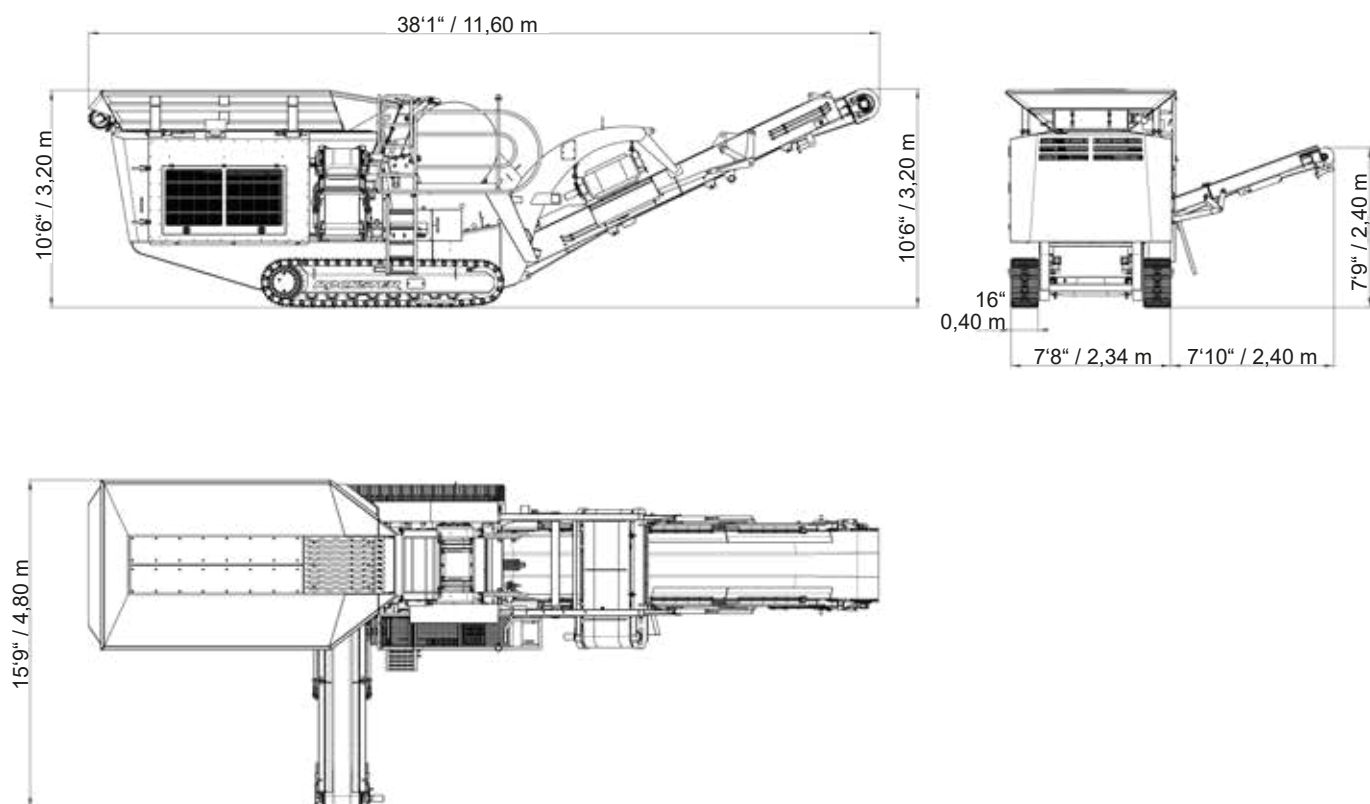
Length:	46'7" / 14,20 m	Width:	8'3" / 2,50 m
Height:	10'8" / 3,25 m	Weight:	64,200 lbs / 29,10 t



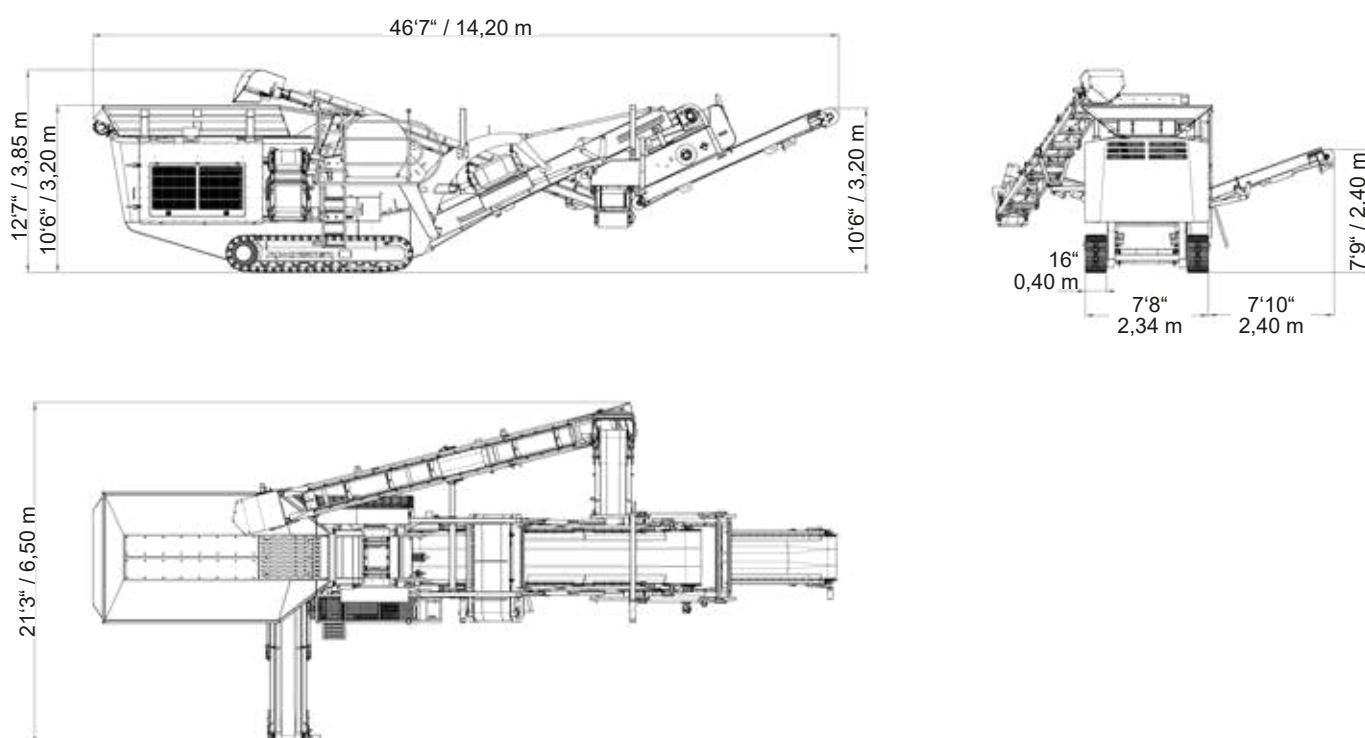
WORKING DIMENSIONS



R800



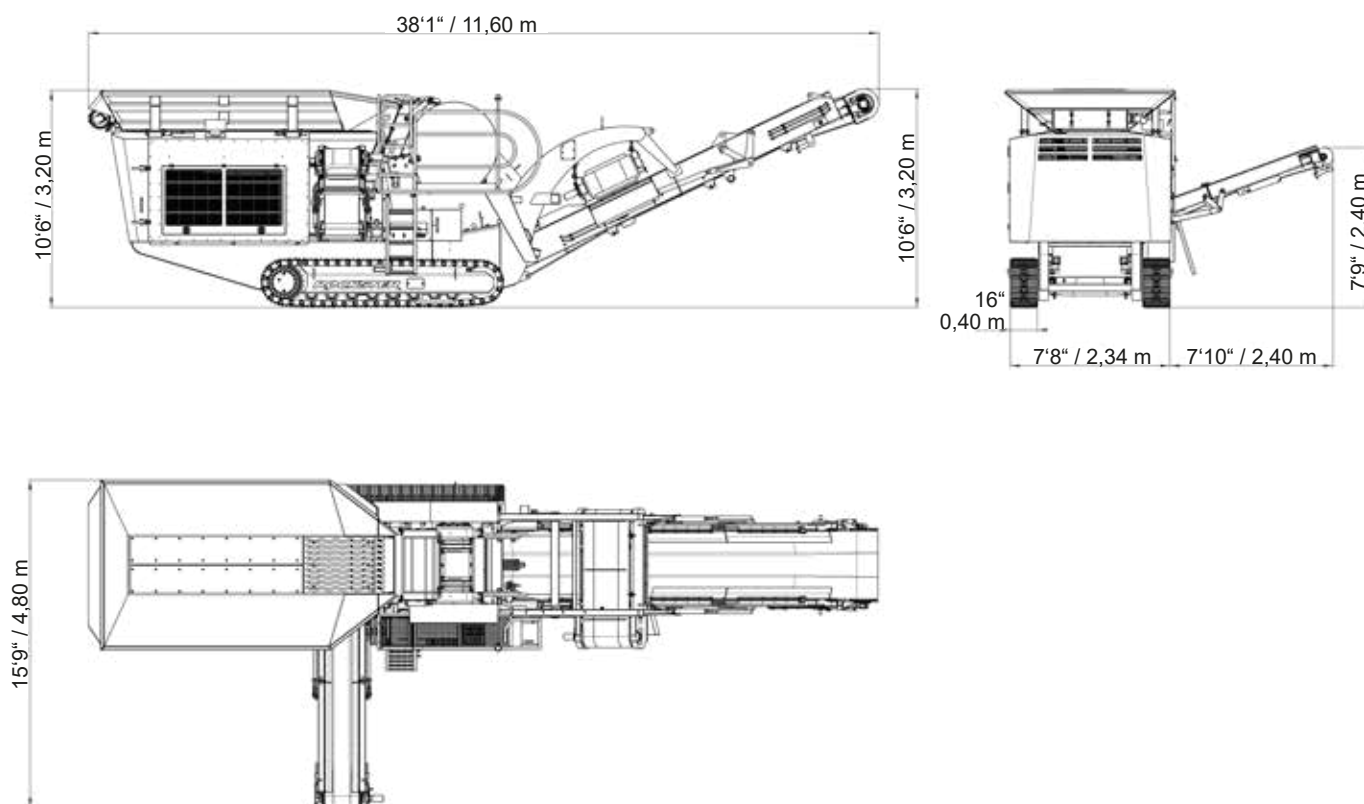
R800 with screening system



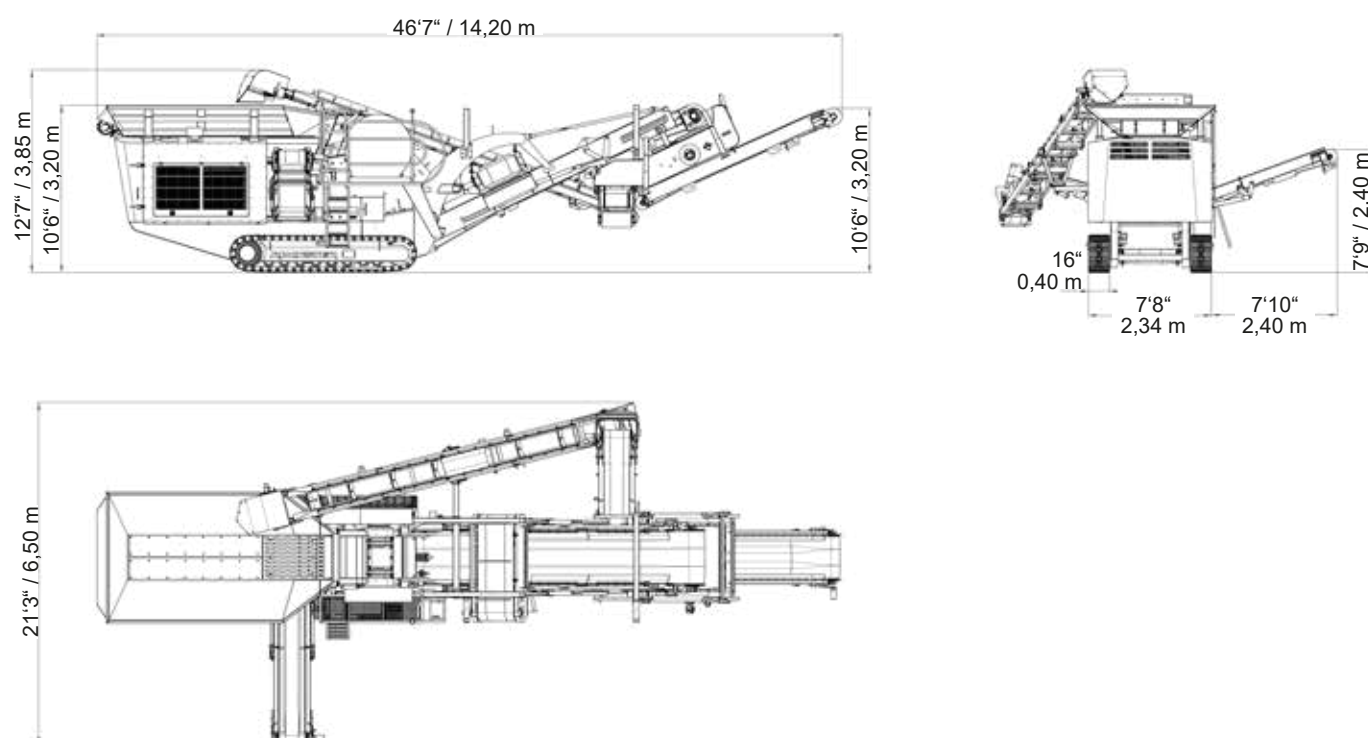
WORKING DIMENSIONS



R800



R800 with screening system



GENERAL INFORMATION



Austrian based manufacturer Rockster Austria International GmbH has a longstanding reputation and the know-how in demolition and screening industry.

The product line includes, among others, track mounted impact and jaw crushers, screening machinery and tracked stackers. "Our mobile crushers and screeners are used for profitable & economical recycling and processing of asphalt, concrete and construction waste, as well as for natural stone.

With innovations like The Original DUPLEX system or double-functional return belt, we repeatedly demonstrate our progressive approach towards improving and developing more efficient recycling & processing methods."

Rockster machines are sold in more than 50 countries worldwide. Our sales partner network guarantees the ideal on-site package of product and service in order to support and secure the daily success of our customers.





Rockster Austria International
Headquarters, Austria

SOLD IN MORE THAN 55 COUNTRIES WORLDWIDE

**COMPETENCE.
PROGRESS.
PARTNERSHIP.**

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