



**FINES FREE
MINERAL SIZING**

MACMIN
WWW.MACMIN.CO.UK

FINES FREE.
MINERAL SIZING.





**VARIABLE SPEED TWIN
SHAFT CHAMBER**

**SIMPLE PIECE SIZE
ADJUSTMENT**

**INTELLIGENT LOAD
MANAGEMENT**

**ECO-POWER
SAVING**



RS1500 SERIES

FEATURES & BENEFITS



The EDGE RS1500 roll-sizer has been designed for the secondary and tertiary crushing of medium-hard, sticky and soft materials such as coal, lignite, clay, limestone and other bituminous and sub-bituminous materials.

Boasting an impressive list of design features that includes a highly efficient hydraulic drive system, easy selective piece sizing controls, intelligent load sensing system and a five function remote control; the RS1500 is packed with the most up to date technology and components. Asset protection is provided via an effective tramp protection cycle that allows for the chamber to automatically open when non-crushable material is detected.

Combining a twin tooth rotor design and a single deck pre-screen allows fines to pass through either before the material reaches the chamber or by falling between the crushing rolls without being further crushed, increasing processing efficiency and throughput whilst reducing wear and dust creation. With impressive cubical piece size, minimal fines creation, low power consumption and high tonnage per hour, the EDGE RS1500 is the most sensible option for sizing applications.

KEY HIGHLIGHTS

- Variable speed twin shafts for accurate piece sizing.
- Easy selective piece sizing controls.
- Produces less fines than any other similar product on the market such as an impactor or jaw crusher.
- Automatic control system protects against tramp metal or trapped material.
- HMI Control Panel provides easy fine tuning for accurate application performance.





RS1500

DESIGN FEATURES

Hopper capacity of 11.25m³ (1.7yds³) with a feed in height of just 3.3m (10' 9")

A single deck, two bearing pre-screen allows fines to by-pass the chamber, increasing processing efficiency and throughput

1400mm (55") wide heavy duty feeder belt with load sensing controls to prevent material overload.

The hydraulic folding, 650mm (26") wide, fines discharge conveyor provides a discharge height of up to 3084mm (10'1")

The Sizing Chamber houses two independent variable speed, reversible roller shafts for accurate piece sizing

The Control Interface provides easy fine tuning for accurate application performance.

Allows operators to track, start / stop the unit, increase & decrease engine revs, increase & decrease feeder belt speed as well as opening and closing the chamber for different piece sizing.



Powered by a CATERPILLAR C9 industrial power unit with an average fuel consumption of 25-30 Ltr/hr. (6-8USG). Tier 4 Final / Stage V engine option also available

The 1150mm (46") wide product discharge conveyor provides a discharge height of up to 3.5m (11'8")



APPLICATIONS

COAL



LIMESTONE



GLASS



ASPHALT



SOFT ORES



RS1500

TECHNICAL SPECIFICATIONS

TRANSPORT DIMENSIONS

Length:	18102mm (59'4")
Width:	3010mm (9'10")
Height:	3447mm (11'3")
Container Shipping Method:	RoRo
Gross Weight (Est):	36000KG (39.7UST)

CHAMBER DATA

Drive Type:	Hydraulic
Number of Shafts:	2
Chamber Torque:	14,000Nm (10,325ft-lb)
Shaft Length:	1660mm (5'5")
Shaft Diameter:	560mm (22")

HOPPER DATA

Hopper Capacity:	11.25m ³ (14.7 yds ³)
Hopper Width:	4100mm (13'6")
Loading Height:	3300mm (10'9")
Hopper Extensions:	Manual Fold in Mechanism

PRE-SCREEN DATA

Screen Type:	Single deck, two bearing screen box
Screen Area:	3.94m ² (4.7yrd ²)
Screen Angle:	12°
Screen Media:	Various media options available

AVAILABLE OPTIONS

Tier 3 LRC Engine	Hydraulic Feeder Wing Plates	Dust Suppression
Tier4 Final / Stage V Engine	Manual Feeder Wing Plates	Hydraulic Hopper Jack Legs
Electric / Hydraulic (Static Only)	Hardox Hopper Liners	Belt Scales & Data Log
Overband Magnet	Punch Plate Screen Media	Heavy Duty Ply Belts
Magnetic Head Drum & Chute	Bofar Bar Screen Media	Wireless Remote
Reversible Fan	Woven Mesh Screen Media	
Auto Lube System	Fines Discharge Conveyor	

FEED CONVEYOR DATA

Conveyor Length:	4361mm (14'3")
Belt Width:	1400mm (55")
Belt Speed:	Variable

SIDE DISCHARGE CONVEYOR DATA

Conveyor Length:	5920mm (19'5")
Belt Width:	650mm (29")
Discharge Height:	3084mm (10'1")

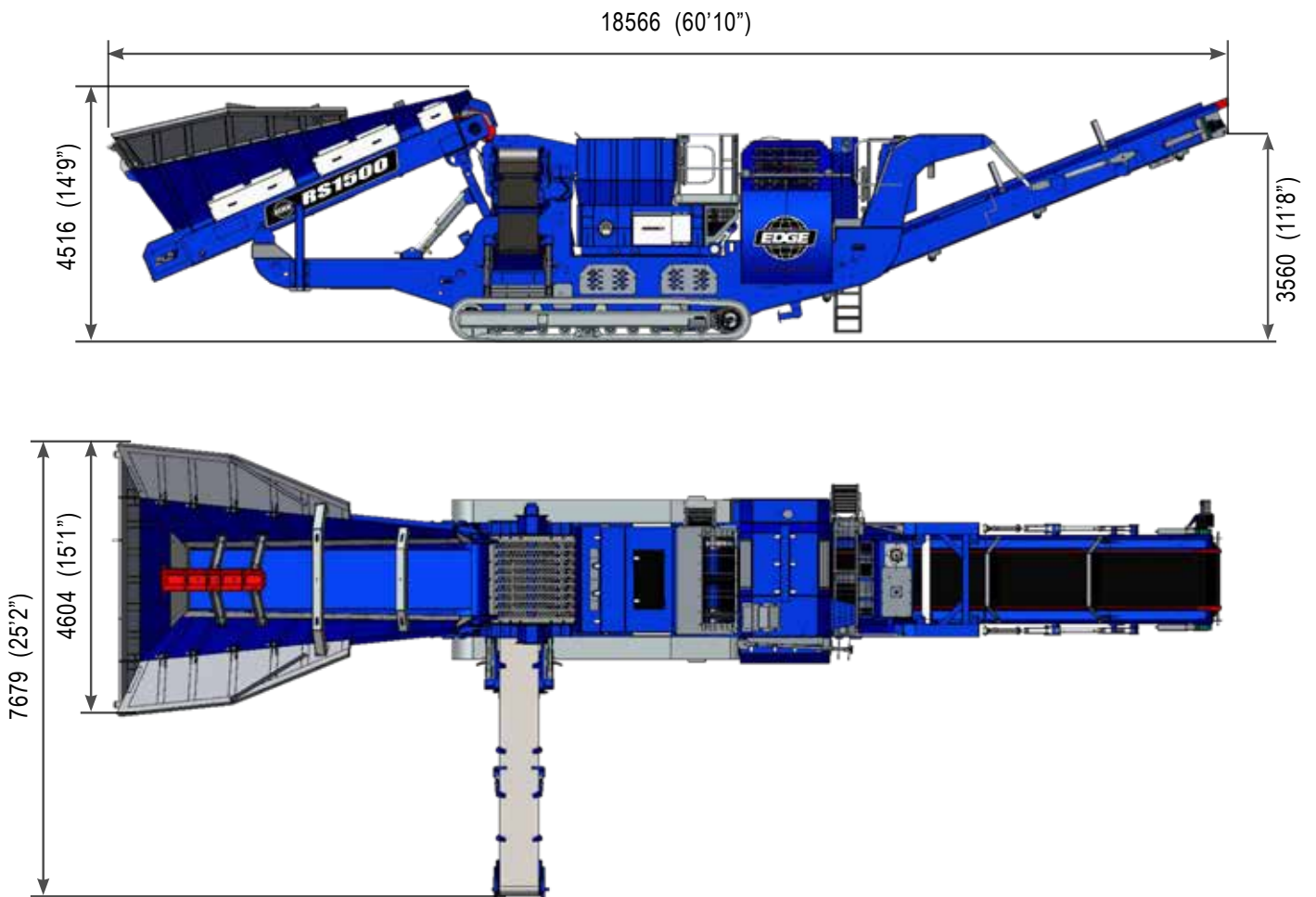
PRODUCT DISCHARGE CONVEYOR DATA

Conveyor Length:	11300mm (37'8")
Belt Width:	1150mm (46")
Discharge Height:	3560mm (11'8")

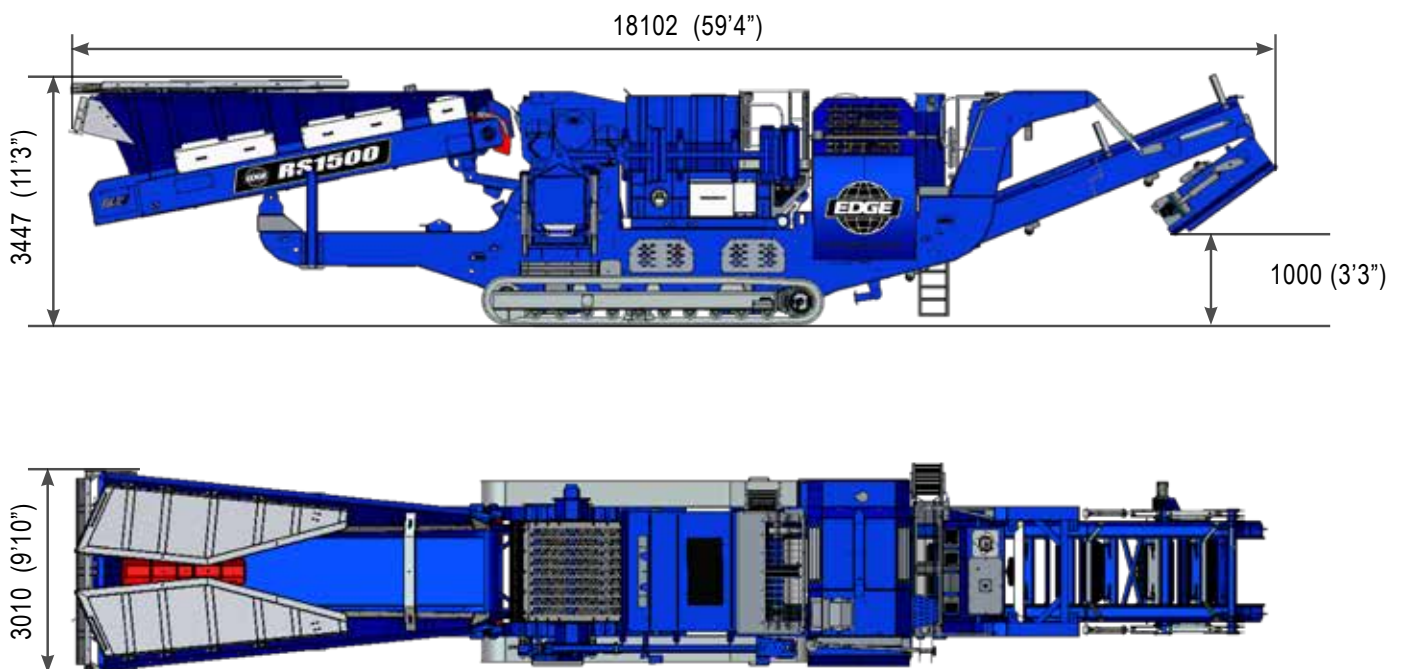
POWERUNIT DATA

Power Source:	LRC - CAT C9 260Kw (350HP) TIER 4 FINAL - C7 205Kw (275HP)
Fuel Tank Capacity:	540 Litres (142USG)

RS1500 OPERATIONAL DIMENSIONS



RS1500 TRANSPORT DIMENSIONS



AVAILABLE OPTIONS

POWER-SOURCE CONFIGURATIONS



LRC - Cat C9 260Kw (350HP)
Tier 4 Final - Cat C7 205Kw (275HP)

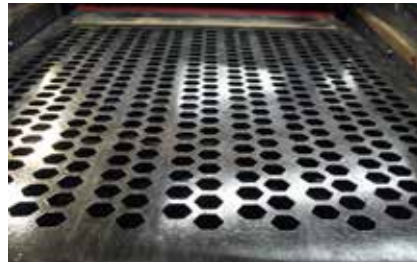


Electric / Hydraulic - Only available with a Static mounted chassis.

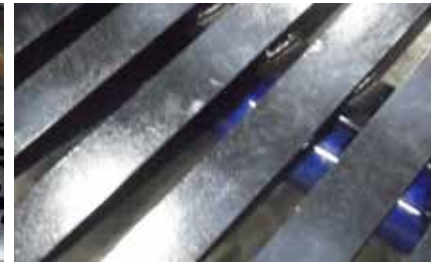
PRE-SCREEN MEDIA OPTIONS



Woven Mesh Screen Media



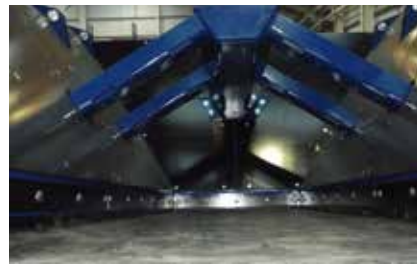
Punch Plate Screen Media



Bofar Bar Screen Media



Manual / Hydraulic Feeder Wing Plates



Hardox Hopper Liners



Fines Discharge Conveyor



Overband Magnet



Central Auto Lubrication System



Wireless Remote Control

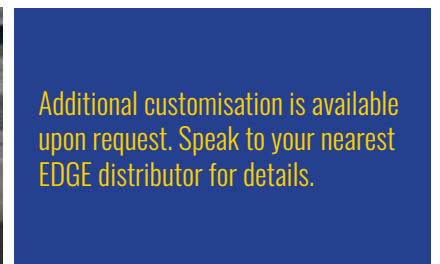
ADDITIONAL SEPARATION OPTIONS



Dust Suppression



Hydraulic Hopper Jack Legs



Additional customisation is available upon request. Speak to your nearest EDGE distributor for details.

PRODUCT AND TECHNICAL SUPPORT

TRIED, TESTED & TRUSTED THROUGHOUT THE GLOBE

With our ethos of “**Innovation at Work**” EDGE not only persist in pushing the boundaries of design and manufacturing to produce hard working, quality machinery, we also bring that same ethos to our aftersales service in order to bring real benefits to customers right across the world.

At EDGE we like to see the sales transaction as the start of a long-term partnership. Our goal is to offer the best customer support in the market for the lifetime of the unit. EDGE has reinvested and expanded our aftersales department in order to streamline and provide the customer support we believe our customers deserve.



**TECHNICAL
ASSISTANCE**



**PARTS
AVAILABILITY**



DELIVERY



WARRANTY



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