

The Extec S-5



Features and Benefits Book

Welcome to Extec Screens & Crushers - a member of the Sandvik group



EXTEC S - 5



The ultimate mobile screening system designed for the truly serious contractor or quarry operator. The S-5 represents a great innovation in mobile screening systems as it resolves the conflicting principles previously associated with providing larger screening areas on mobile plants. Massive throughput, mobility and a class leading screening area results in the ultimate profit generator.

Also available with optional:

- Remote control
- Shredder box
- Vibrating grid
- Patented transport bogey

Applications Include:

- Sand, gravel, coal, limestone, granite, iron ore
- Soil, concrete, building and demolition, landfill, road planings

The following features document includes:

- Key features of S-5 Doublescreen
- S-5 Technical Specification
- S-5 Screen Box
- Double deck vibrating grid
- Product features
- Application photographs
- Transport & Working drawings



Key features of the S-5 Doublescreen

- Patented Doublescreen box design
- High throughput
- Hydraulic raise of the main conveyor
- Low Height facilitates standard low loader
- Screening facility consists of two individual screening units, each having it's own separate drive and each being independently angled
- First screen box used for fines, second screen box operates as a grader
- The Doublescreen produces grades of material of the most precise specification



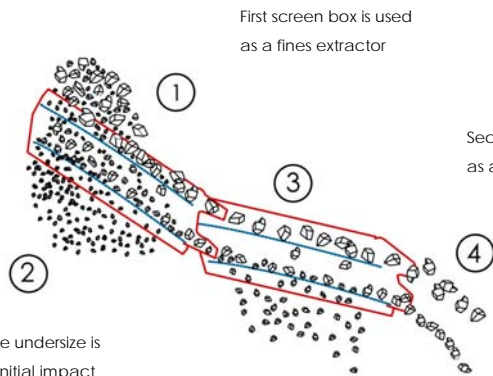
S-5 Technical Specification

1 st Screen box	2439mm x 1524mm (8' x 5')
2 nd Screen box	2439mm x 1524mm (8' x 5')
Length working	17835mm (58' 6")
Height working	6165mm (20' 3")
Width working	17051mm (55' 8")
Engine model	Deutz BF4M 2012 Turbocharged
Fuel consumption 100% loading	4.33g/Hour 5.20 US/g Hour
Fuel consumption 50% loading	2.31g/Hour 2.77 US/g Hour
Engine power	100.4hp/74.9 kW @ 2200rpm
Machine weight operation	28000kg (61729 lbs)
Machine weight transport	33500kg (73853 lbs)
Tail conveyor height	4564mm (14'9")
Side conveyor height	4620mm (15' 2")
Hopper conveyor width	1200mm (48")
Main conveyor width	1000mm (40")
Tail conveyor width	1200mm (48")
Side conveyor width	700mm (28")



S-5 Doublescreen box

- The doublescreen facility consists of two individual screening units, each having its own separate drive and each independently angled.



First screen box is used as a fines extractor

Second Box operates as a grader.

Clean Gradings at very high output are produced as material is exposed to a very large screening area



The majority of the undersize is removed during initial impact

1st Screen box size	2439mm x 1524mm (8' x 5')
2nd Screen box size	2439mm x 1524mm (8' x 5')
Direct drive	1200 rpm
Max angle 1 st screen box	37°
Max angle 2 nd screen box	27°
Mesh size	1397mm (Width) x 1981mm (Length) 4' 6" (Width) x 6' 4" (Length)

Doublescreen Box features and benefits



Screen Boxes can be set hydraulically at different angles for each screen box

Fine materials can be separated much more efficiently as the first box can remove most of the fine materials leaving the second box to act as a grader

Separate drive motors enable a reverse throw of materials.

Further increases in efficiency and greater separation of fine materials
Increased force against the flow of materials enabling greater effectiveness

Reduced area needed to house the screen boxes

Many structural benefits can be gained with much reduced size for the amount of productivity.

Strength can be increased and rigidity of the frame is better
Better vibration can also be gained through the smaller screening area

Separate variable speed motors for each screen box

An extremely accurate screening of materials can be achieved through the individual set up of each box to produce the most precise specification.



Double deck vibrating grid

Opening between grid flares	3169mm	(10' 4")
Grid bar opening	101mm x 127mm	(3" x 5")
Screen mesh (top and bottom deck)	939mm (Width) x 1905mm (Length) x 3 3' (Width) x 6' 2" (Length) x 3	
Weight	5216kg	(11499 lbs)



Remote tipping vibrating grid



Hydraulic hopper raise - lower legs



First screen box max angle 37°



Second screen box max angle 27°



Manual ratchet system for quick mesh change



Screen box design allows for mesh change without the need to remove spring bar



Tail conveyor lowers to facilitate easy mesh change



Hydraulic raise of main conveyor ensures maximum access



Optional transport bogie



Hydraulically raises machine onto bogie



Easy access to full operating controls



Easy access to hydraulic tank



Machine tracks away from bogie



Hydraulic hitch pin ensures attachment of bogie.



Catwalk Assembly



Adjustable swinging spreader plate ensures even spread of materials across the screen box



Optional shredder hydraulic raise & lower



Hydraulic drive shredder, double shafts, fixed blade 650rpm



Tail conveyor lowers to aid feeding of conveyors



Grid easily removed to accommodate crusher



Easy feed from Impactor , Jaw or Cone



Allowing closed circuit



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Gravel application



Limestone application



Asphalt millings application



Sand & Gravel application



The S-5 processing Iron ore materials in India





S 5 Screening in a US Quarry



Working in conjunction with an X44 SBS



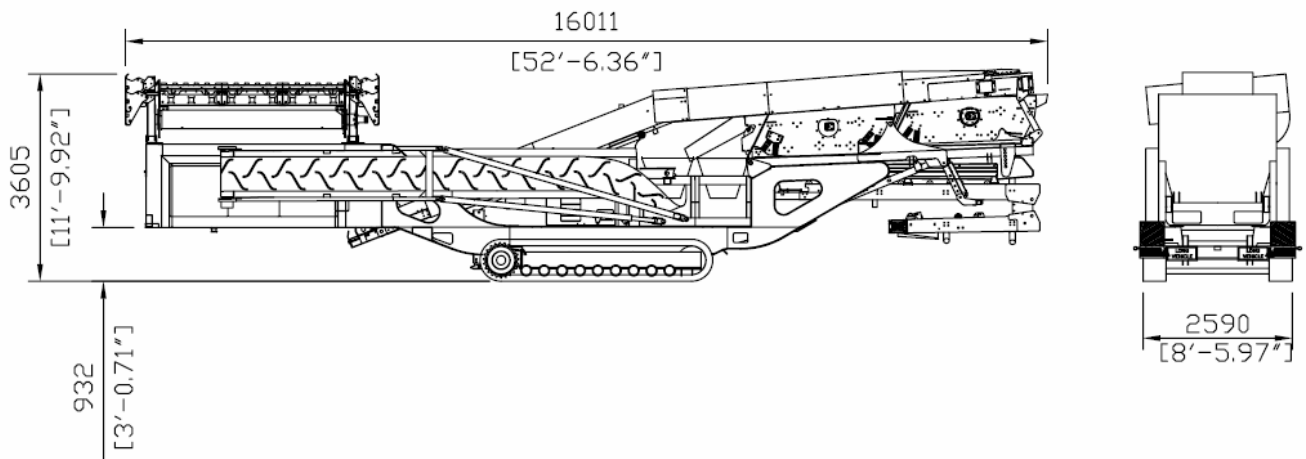
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S-5 Transport Drawings



NOMINAL WEIGHT 28,000kg



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