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A GLOBAL PLAYER IN MINING AND CONSTRUCTION



Mobile **Crushing**
& Mobile **Screening**

Rolandtecnic GMBH



Mobile Solutions

By bringing together the leading component manufacturers, we have created one of the world's foremost mobile crushing and screening solutions providers. Our widened and enhanced product line allows us to meet your specific crushing and screening needs in a wide array of industries and applications.

Our mobile crushing and screening range embraces jaw, impact and cone crushers as well as multideck screening systems to match applications in quarrying, contracting and recycling and providing tailor-made solutions in materials including limestone, granite, asphalt, and construction and demolition waste.

Our products are sold and supported by manufacturing and parts facilities in the UK and Ireland, and by a worldwide dealer network that provides a responsive and reliable parts and aftersales service to help you achieve optimum equipment uptime, optimum productivity, and optimum profitability.



Content:

Crusher

RJ400	Jaw Crusher	4
RJ225	Jaw Crusher	6
RC400	Cone Crusher	8
RC250	Cone Crusher	10
RI220	Impact Crusher	12

Scalper

RSC350	Scalper	14
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Screens

RS600/3	Triple Deck Double Screen	16
RS450/2	Double Deck Double Screen	18
RS300	Double Deck Screen	20

Options

Crushing	Unit Options	22
Screening	Unit Options	23



RJ400 - Jaw Crusher



Key Features

- High crushing speed, together with large feed opening, provides impressive rates of production, yet able to provide superb reduction ratios
- Hydraulically adjustable CSS for a variety of applications
- Reverse crushing action to relieve blockages and automatic central lubrication system to increase machine up-time
- Hydraulic legs for increased stability and servicing capabilities
- Global aftermarket support, with standard stock parts to ensure minimum loss of production
- Machine designed for optimum fuel economy and low operating costs
- A variety of options is available to match the demands of any application

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Key Specifications - RJ400

Feed opening	1200 x 750 mm (48 x 30")
Max feed size	650 mm (26")
Capacity up to	400 mtph
Weight	46.4 t
Operation Dimensions	
Length	15760 mm (51'7")
Width	4110 mm (13'5")
Height	4170 mm (13'7")
Transport dimensions	
Length	14750 mm (48'4")
Width	2900 mm (9'5")
Height	3520 mm (11'5")
	3590 mm (11'9")
	1650 mm (5'5")
	1000 mm (3'3")
	650 mm (2'2")



RJ225 - Jaw Crusher







Key Features

- High crushing speed, together with large feed opening, provides impressive rates of production, yet able to provide superb reduction ratios
- Hydraulically adjustable CSS for a variety of applications
- Reverse crushing action to relieve blockages automatic central lubrication system to increase machine up-time
- Hydraulic legs for increased stability and servicing capabilities
- Global aftermarket support, with standard stock parts to ensure minimum loss of production

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Key Specifications - RJ225

Feed opening	1000 x 650 mm (39 x 26")
Max feed size	520 mm (21")
Capacity up to	225 mtp/h
Weight	32.4 t
Operation Dimensions	
Length	11850 mm (38'9")
Width	3840 mm (12'6")
Height	3800 mm (12'5")
Transport dimensions	
Length	12080 mm (39'6")
Width	2650 mm (8'7")
Height	3280 mm (10'8")
	2600 mm (8'6")
	1650 mm (5'5")
	800 mm (2'8")
	650 mm (2'2")

Operation space is limited?
Here is your high performance answer!



RC400 - Cone Crusher





Key Features

- Sonar level control as standard for controlled and continuous feed
- Hydraulic closed side setting adjustment
- Hydraulic legs for increased stability and servicing capabilities
- Metal detector for feed hopper
- Optional recirculation conveyor
- Global aftermarket support, with standard stock parts to ensure minimum loss of production
- Machine designed for optimum fuel economy and low operating costs

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Key Specifications - RC400

Feed opening	1200 mm (4')
Max feed size	185 mm (7 1/4")
Capacity up to	400 mtph
Weight	47.38 t
Operation Dimensions	
Length	14400 mm (47'2")
Width	4050 mm (13'3")
Height	4150 mm (13'6")
Transport dimensions	
Length	14840 mm (48'7")
Width	2760 mm (9'0")
Height	3830 mm (12'5")
	3200 mm (10'6")
	1000 mm (3'4")

Cubical Material wanted?

This cubical shape crusher is your answer!



RC250 - Cone Crusher





Key Features

- Sonar level control as standard for controlled and continuous feed
- Hydraulic closed side setting adjustment
- Hydraulic legs for increased stability and servicing capabilities
- Metal detector for feed hopper
- Optional recirculation conveyor
- Global aftermarket support, with standard stock parts to ensure minimum loss of production
- Machine designed for optimum fuel economy and low operating costs

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Key Specifications - RC250

Feed opening	1170 mm (3'8")
Max feed size	146/175 mm (5 1/4"/ 6 7/8")
Capacity up to	270 mtph
Weight	38.00 t
Operation Dimensions	
Length	13730 mm (46')
Width	2800 mm (9'1")
Height	4482 mm (14'7")
Transport dimensions	
Length	14740 mm (48'3")
Width	2800 mm (9'1")
Height	3730 mm (12'2") including cone rock box
Height	3430 mm (11'3") excluding cone rock box
	2880 mm (9'5")
	1200 mm (3'11")



RI220 - Impact Crusher



Key Features

- Excellent reduction ratio across a broad product spectrum
- Hydraulic legs for increased stability and servicing access
- Variable speed grizzly feeder for controlled and continuous feed
- Optional recirculation conveyor
- Global aftermarket support, with standard stock parts to ensure minimum loss of production
- Machine designed for optimum fuel economy and low operating costs
- 3bar rotor and variable rotor speed

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Key Specifications - RI220

Feed opening	1290 x 950 mm (51 x 37")
Max feed size	500 mm (20")
Capacity up to	220 mtph
Weight	43.3 t
Operation Dimensions	
Length	14020 mm (46'0")
Width	4110 mm (13'5")
Height	4000 mm (13'1")
Transport dimensions	
Length	14300 mm (46'9")
Width	2900 mm (9'5")
Height	4000 mm (13'1")
	3320 mm (10'11")
	1650 mm (5'5")
	1000 mm (3'3")
	650 mm (2'2")



Note: All dimensions within this brochure are for standard models

RSC350 - Scalper



Key Features

- Large total scalping area allows for enormous rates of production
- Capable of being fed by large crushers, yet precise enough to produce accurate aggregates, and tough enough to recycle mixed materials
- Heavy duty crusher-type chassis ensures maximum up-time.
- Global aftermarket support, with standard stock parts to ensure minimum loss of production
- Machine designed for efficient fuel economy and low operating costs
- Wide variety of deck options including mesh, tines, punch-plate and grizzly



Application include

- The screening of heavy overburden at a quarry face
- Pre-screening and scalping
- Recycling of construction and landfill waste
- Separation of cohesive aggregates

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Key Specifications - RSC350

Equipment	Double deck scalping screen
Max feed size	600 mm (24")
Capacity up to	350 mtph
Weight	28.8 t
Operation Dimensions	
Length	14410 mm (47'3")
Width	12960 mm (42'5")
Height	4250 mm (13'9")
Transport dimensions	
Length	14020 mm (46'0")
Width	2980 mm (9'9")
Height	3440 mm (11'3")
	3100 mm (10'2")
	3000 mm (9'10")
	1200 mm (3'11")
	800 mm (2'7")



RS600/3 - Triple Deck Screen Double Box

6500 x 1500 mm (20' x 5')











Key Features

- Triple deck equivalent Doublescreen with four product conveyors allows four accurately sized products to be produced
- Capable of working alongside large jaw crushers, yet precise enough to produce accurate aggregate products
- Modern chassis design ensures in-built machine quality and strength for maximum up-time
- Global aftermarket support, with standard stock parts to ensure minimum loss of production
- Machine designed for optimum fuel economy and low operating costs

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Key Specifications - RS600/3

Equipment	Triple Deck Screen Double Box 6500 x 1500 (20' x 5')
Max feed size	200 mm (8")
Capacity up to	600 mtph
Weight	35.0 t
Operation Dimensions	
Length	18210 mm (59'7")
Width	18370 mm (60'3")
Height	6480 mm (21'3")
Transport dimensions	
Length	17810 mm (58'4")
Width	2890 mm (9'5")
Height	3610 mm (11'8")
	650 mm (25 1/2")
	4240 mm (13'9")
	1200 mm (3'11")
	5210 mm (17'1")
	700 mm (2'4")
	5000 mm (16'5")
	700 mm (2'4")
	5000 mm (16'5")

The RS600/3 introduces a triple deck screen with double boxes and 4 conveyors allowing a total of 4 product materials plus one oversize from the tipping grid.



RS450/2 - Double Deck Screen Double Box

5000 x 1500 mm (16' x 5')





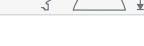

Key Features

- Unique independent doublescreen box design allows for precision screening with high rates of production
- Compact enough for the inner city, precise enough for sand & gravel, yet powerful enough for volume aggregate production
- Modern chassis design ensures in-built machine quality and strength for maximum up-time
- Global aftermarket support, with standard stock parts to ensure minimum loss of production
- Machine designed for optimum fuel economy and low operating costs

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Key Specifications - RS450/2

Equipment	Double Deck Double Screen 5000 x 1500 mm (16' x 5')
Max feed size	200 mm (8")
Capacity up to	450 mtph
Weight	25.4 t
Operation Dimensions	
Length	17840 mm (58'5")
Width	16830 mm (55'2")
Height	6170 mm (20'2")
Transport dimensions	
Length	15060 mm (49'5")
Width	2840 mm (9'3")
Height	3510 mm (11'6")
	1200 mm (3'11")
	4560 mm (15'0")
	700 mm (2'4")
	4620 mm (15'2")

The RS450/2 features the greatest innovation in mobile screening systems. The conflicting principles of providing larger screening areas on mobile plants is answered by the patented double screen box.



RS300 - Single Box Double Deck Screen

3000 x 1500 mm (10' x 5')




Key Features

- Capable of high production rates as machine possesses large screening area, and high frequency double deck screen
- Powerful enough to work at the quarry face, yet compact enough for the inner city development or recycling centre
- Modern chassis design ensures in-built machine quality and strength for maximum up time
- Global aftermarket support, with standard stock parts to ensure minimum loss of production
- Machine design designed for optimum fuel economy and low operating costs

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Key Specifications - RS300

Equipment	Single Box Double Deck Screen 3000 x 1500 mm (10' x 5')
Max feed size	200 mm (8")
Capacity up to	300 mtph
Weight	24.3 t
Operation Dimensions	
Length	15140 mm (49'7")
Width	16830 mm (55'2")
Height	5170 mm (17'6")
Transport dimensions	
Length	14040 mm (46'1")
Width	2840 mm (9'3")
Height	3510 mm (11'5")
	3800 mm (12'6")
	4620 mm (15'2")
	1200 mm (3'11")
	700 mm (2'4")

The ultra compact screener comes with a variety of features such as diesel hydraulics for selfpropelled tracks, conveyor spreader plate for full use of screen mesh and remote control of tracking and grid tip functions.



Crushing Unit Options

	RJ400	RJ225	RC400	RC250	RI220
Hopper Hardox Liner Plates Back & Sides	•	•	•	•	•
Belt Protection Plate	•	•			
Central Auto Lube (conveyors)	•	•	•	•	•
Central Auto Lube (crusher)	□	□			•
Hydraulic Breaker Arm	•	•			
150 mm (59") Extended Side Conveyor	•	•			•
Durst Suppression Including Canvas Covers	•	•	•	•	•
Wheeled Dolly	•	•	•	•	•
Remote Diesel Pump	•	•	•	•	•
Water Pump	•	•	•	•	•
-20°C / -4F Arctic Package	•	•	•	•	•
-30°C / -22F Arctic Package	•	•	•	•	•
Tropical / High Ambient Package	•	•	•	•	•
Stockpile Conveyor & Screen	•				
No Overband Magnet	•	•			•
No Side Conveyor	•	•			•
High Manganese Jaw	•	•			
Neodymium Magnet	•	•			•
Recirculating Screen			•	•	•
4 Blow Bar Rotor			□	□	•
Grinding Path					•

Note • Option

□ Available as Standard

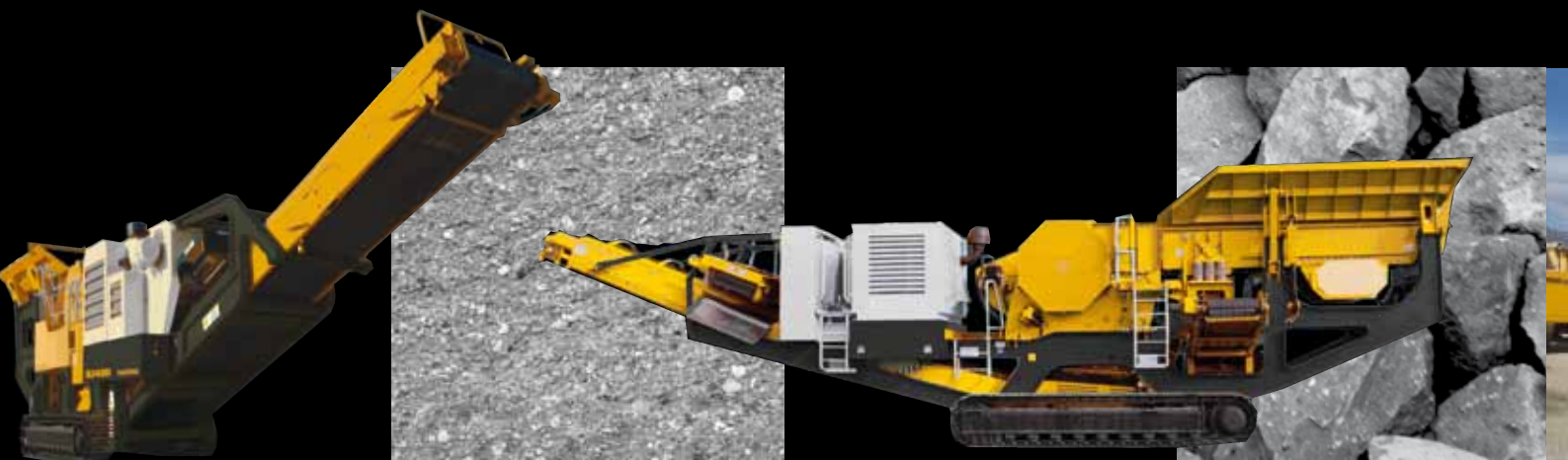


Screening Unit Options

	RSC350	RS600/3	RS450/2	RS300
Hopper Hardox Liner Plates Back & Sides	●	●	●	●
Central Auto Lube (conveyors/screen)	●	●	●	●
Durst Suppression Including Canvas Covers	●	●	●	●
Remote Diesel Pump	●	●	●	●
Water Pump	●	●	●	●
-20°C / -4F Arctic Package	●	●	●	●
-30°C / -22F Arctic Package	●	●	●	●
Tropical / High Ambient Package	●	●	●	●
Double Deck Vibrating Grid		●	●	●
Hardox Spreader Plate		●	●	●
Screening Media	●	●	●	●
Double Shaft Shredder Unit			●	●
Side Conveyor Feed Boot Hardox Lined	●	●	●	●
Roll Back Flaps		□	□	□
Main Conveyor Lift Rams		□	□	□
Radio Controlled Tracks	□	□	□	□
Lighting Masts	●	●	●	●
Overband Magnet & Frame		●	●	●
Punch Plate on Top Deck	●			
Bofar Steel Grizzly on Top Deck	●			
Bofar Steel Grizzly on Top Deck Punched Plate	●			
Heavy Duty Tines on Top Deck	●			
Cascade Fingers on Bottom Deck	●			
One Bofar Steel Grizzly on Top Deck Tines	●			
Belt Feeder	●			
Wheeled Dolly		●	●	●
Washing Units	●	●	●	●

Note ● Option

□ Available as Standard



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