



ScreenRanger

Mobile & Fixed Screening Units



Quality Engineered
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Parker 'ScreenRanger' SA & SF

The vibrating screen is probably the single most important contributor in today's aggregate production industry. An efficient screen with adequate capacity not only produces good results, but can check costs across the whole range of an operation. Parker 'ScreenRangers' are a series of transportable and mobile screening units featuring the 'Rapide' in a number of different sizes. These can have 1,2,3 or 4 decks with discharge chutes tailored to individual preferences, including product blending when required. Every 'ScreenRanger' is an independent unit. It can separate up to four sizes plus oversize, according to model.

Eccentric Shaft:

The single activating shaft is eccentric and runs the width of the screen inside a protective steel tube. This tube also acts a substantial structural brace, being set in machined positions in the side plates to ensure the vibration is transmitted positively to the main frame. With eccentric weights the vibrator unit produces optimum amplitude for the majority of duties. Simple addition/subtraction of bolt-on adjustment weights to both sides of the shaft will increase/decrease amplitude for specific requirements.

Installation:

Four rugged lifting brackets are welded to the main chassis to assist during transit and erection.

Control Console:

The free standing, electrical control console containing starter gear for the screen, and associated equipment is bolted to the plant during transport.

Braking System & Front Dolly: (Mobile SA Option)

All mobiles are equipped with pneumatic tyred running gear to highway specification, with dual line air brakes and a hand parking brake on the rear wheels. Standard machine semi-trailer; Optional full trailer.

Spring Clamps:

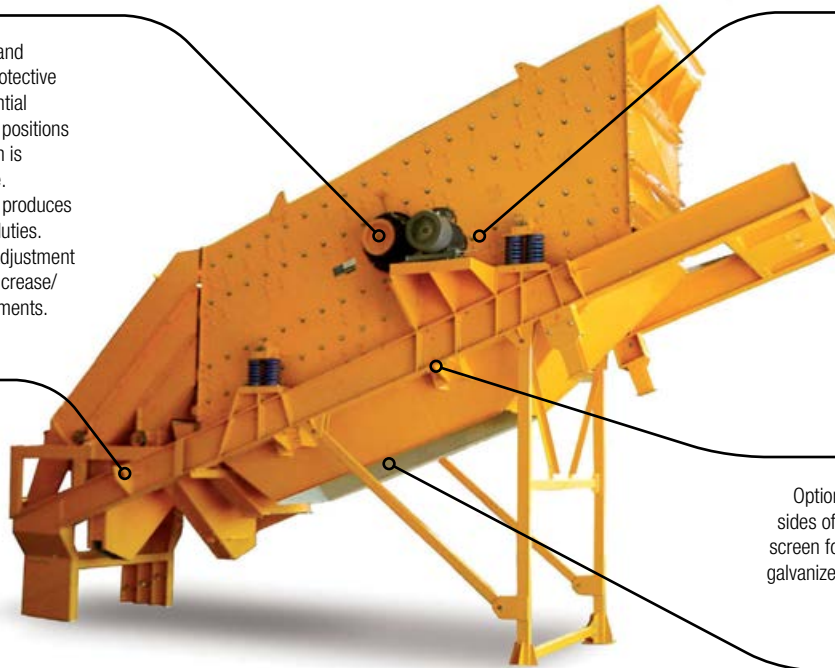
The 'Rapide' is a free floating screen, effectively isolated by its springs from the support structure. For transit, the screen is restrained in its angled travelling position by reusable clamp plates (travel brackets) simply bolted across the spring units.

Platforms:

Optional, open mesh platforms on one or both sides of the machine provide easy access to the screen for maintenance purposes. Complete with galvanized safety hand railing and access ladder.

Chutes:

Several different plant mounted chute arrangements are offered for directing graded material and oversize to separate discharge points. These can include the facility for proportional blending of products, for wet screening duties, the fine chute under the screen is replaced by a fluming chute.



Screen Size [m]	1 deck	2 deck	3 deck	4 deck
1.2 x 3.0	★	★	★	★
1.5 x 4.0	★	★	★	★
1.8 x 5.0	★	★	★	★
1.8 x 6.0	★	★	★	★
2.1 x 6.0	★	★	★	★
2.4 x 6.0	★	★	★	★

Advantages:

- Available as fully mobile or transportable units.
- Rugged practical design incorporating the well proven 'Rapide' screen.
- Big on output, efficiency & reliability - low on capital outlay and operating cost.
- Stress relieved, robust screen box construction.
- Withdrawable, easily accessible discharge chute manifold.
- Facility for proportional blending of products available.

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