



Vortex Fluid Systems Inc.

Serving our Customers Worldwide

This brochure gives an overview of Vortex Fluid Systems Inc. (VFSI) Orbital shaker product line. VFSI is committed to using the highest quality components and materials in building shakers. When welding each Orbital 3000, precise tolerances have been maintained, producing one of the most durable and quietest shakers in the world today. VFSI has over 500 units in the field. As a result, the Orbital 3000 is a field tested design marked by outstanding performance, durability, and unmatched screen life. For more information on the VFSI product line visit us at: www.vortexfluidsystems.com

RECOMMENDATION

"Justiss Oil Company has been using Vortex Fluid Systems, Inc. shale shakers for several years. We liked the performance so well we now run these shakers on all our rigs. We typically spud and complete wells with 210 mesh screens in all geographic areas where we work. The simple yet rugged design of this shaker is what the oilfield needs."

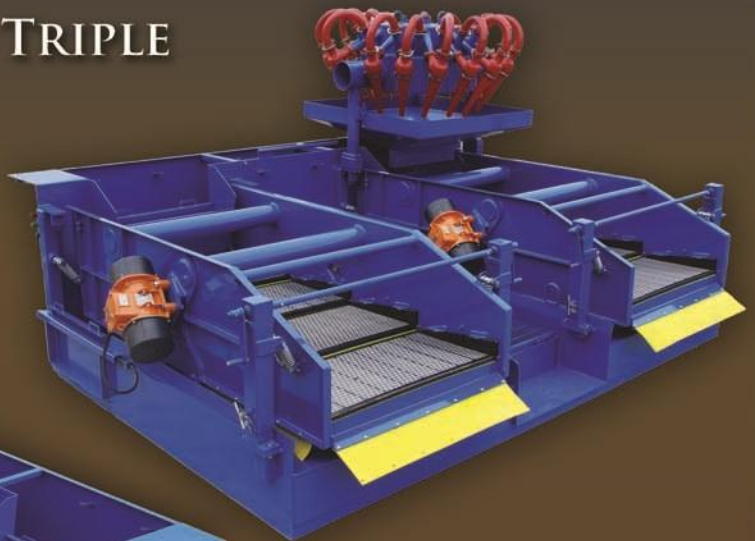
Product service from this privately owned company is excellent. The company owner is the designer of the shaker, and is available to discuss any aspect of the product, and has the authority to resolve any problem."

Sincerely, J.F. "Jim" Justiss III, V.P. of Operations

ORBITAL 3000 DUAL AND TRIPLE

Standard Features Offered on All Vortex Shakers

- high performance
- low noise
- competitively priced
- simple to adjust screen angle
- minimal operational costs
- fully seal welded baskets
- g-force of over 6 g's
- dependable and durable
- low maintenance
- wedge blocks with wedgblock tightening tool



Orbital 3000 Dual and Triple Specific Features

- Optional 16 and 20 cone hydrocyclone manifold, can process 800 and 1000 gpm
- simplification of rig move, remains level when hoisted
- impressive 60 ft² of screening area for Orbital 3000 Dual and 90 of screening area for Orbital 3000 Triple
- low weir height
- conveniently arranged to simplify drilling fluids/cement bypass management
- grated area between the baskets provides clean walkway to operate shakers

ORBITAL 3000

General Features

- 30 ft² of screening area
- high performance
- competitively priced
- minimal operational costs
- simple to adjust screen angle
- two layers powder coat, a first coat of zinc rich epoxy provides corrosion resistance, a final coat provides abrasion resistance
- g-force of over 6 g's
- dependable and durable
- one of the lowest weir heights in the industry
- low noise produced by efficient isolation, orbital motion, and a sturdy base; it is possible to stand a nickel on each corner while the machine is running



ORBITAL 3750 INDUSTRIAL

Features

- 37.5 ft² of screening area
- low noise
- competitively priced
- simple to adjust screen angle
- minimal operational costs
- fully seal welded baskets
- g-force of over 6 g's
- high performance
- dependable and durable
- low maintenance
- wedge blocks with wedgblock tightening tool

Orbital 3000 Industrial Specific Features

- multiple base types available
- multiple modular inlet manifolds available for different feed types



ORBITAL THREE PANEL MUD CLEANER

General Features

- 22.5 ft² of screening area
- high performance
- low noise
- g-force of over 6.5 g's
- fully seal welded baskets
- dependable and durable
- competitively priced

Orbital Three Panel Mud Cleaner Specific Features

- this compact 3 panel machine boasts an impressive 1000 gpm processing capacity
- 10 long four inch hydrocyclones designed to process 100 gpm
- hydrocyclones extend into basket to minimize overspray and shorten overall shaker height
- hydrocyclone cone section available with a ceramic insert for increased service life
- the large screen area and high "g-forces" allow the user to commonly run 250 mesh screens



ORBITAL 3000 HORIZONTAL BORING

General Features

- 30 ft² of screening area
- high performance
- competitively priced
- g-force of over 6 g's
- dependable and durable

Orbital 3000 Horizontal Boring Specific Features

- open frame base allows easy mounting on a horizontal boring mud tank
- efficient design provides a large screen area while minimizing space
- shaker length of 8' 5" eliminates the need for a wide load permit between drill sites
- Horizontal boring applications require shakers capable of handling high solids laden fluids. The Orbital 3000HB has exceptionally good solids conveyance. Solids do not pile up on the shaker, resulting in outstanding fluid handling capacity and screen life.



DURABILITY AND SCREEN LIFE

Durability:

All baskets are fully seal welded and stress relieved. Seal welding reduces corrosion, adding years to machine life. The Orbital 3000 pretension screening machine requires minimal maintenance.

Corrosion Protection:

Two layers of powder coat. Baked on zinc-rich epoxy first coat provides corrosion resistance. Final coat provides abrasion resistance. Most fasteners are stainless steel, providing excellent corrosion resistance.

Screen Life:

Vortex has distinguished itself as having exceptional screen life. A shaker can often save the original cost of the shaker in screens within the first year. In a recent independent study, the Vortex line of shakers was shown to have the best screen life of all the shaker brands tested.

WEDGE BLOCK TOOL

Wedge block fastener produces easier and more secure tightening of wedge blocks against the screen.



WEDGE BLOCKS

- Durable polyurethane wedge block holds screens securely in place.
- Manufactured with a steel insert for increased rigidity.



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