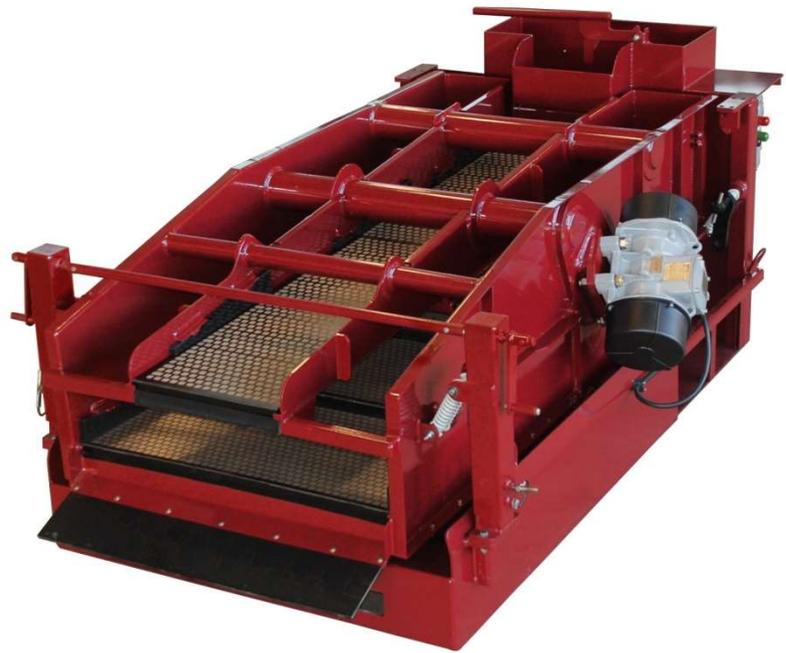


SCM-PRIMAG-NLD 4PDD CASCADING SHALE SHAKER



Scomi offers a comprehensive range of Solids control equipment for oilfield applications. The Scomi line of high-performance shakers are specifically designed and engineered to efficiently and reliably separate solids from drilling mud thus reducing waste volumes and associated costs.

The SCM-PRIMAG-NLD 4PDD Cascading Shaker is a Near Linear Motion Shale Shaker which produces a range of 6.0 – 7.75 g's of vibrational force. The PRIMAG-NLD 4PDD Cascading Shale Shaker has been designed with an impressive 43.5 ft² of screening area while maintaining a small equipment footprint. The larger screening area of 43.5 ft², 6.0 – 7.75 g's of force and linear motion results in excellent solids conveyance and outstanding performance.

PERFORMANCE

Shale shaker's performance can be characterized as a product of screening area multiplied by G force, the range of 261 – 337 ft²-g's is one of the highest in the industry and this results in excellent separation and solids conveyance while extending screen life.

VIBRATOR

The SCM-PRIMAG-NLD 4PDD Cascading Shaker uses MVSII Vibrators which are extremely durable with long life bearings producing less noise. The MVSII Vibrators deliver a range of 6.0 – 7.75 g's of vibrational force to the Scomi Ellipse 4PDD Cascading Shaker.

FEATURES & BENEFITS

- Near Linear Motion Cascading Shaker with a range of 6.0 – 7.75 g's of vibrational force
- Large screening area of 30 ft² (2.79m²) and additional upper screening area of 13.5 ft² (1.25 m²)
- Full view of the lower deck while operating
- Small equipment footprint
- Durable polyurethane wedge blocks hold screens securely in place
- Baskets are fully seal welded and stress relieved
- Two (2) layers of powder coat. Baked-on zinc-rich epoxy 1st layer for corrosion resistance and abrasion resistance final coat
- Scomi Cascading Shakers are engineered to minimize screen wear
- Easy screen inspection, removal, and installation
- Low weir height
- Efficient vibration isolation, hence a quiet machine during operation
- Seal welded baskets reduce corrosion and increase machine life
- Minimal maintenance with few spares parts required

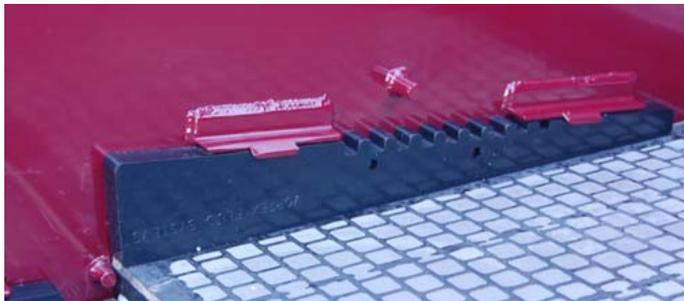
VIBRATION ISOLATION

Stainless steel spring isolators provide superior vibration isolation and corrosion resistance. The Shaker basket is hung from the spring and the springs are constantly in tension which gives superior isolation while allowing for superior vibration transmission throughout the basket with no vibration dampening.



WEDGEBLOCK

Durable polyurethane wedge blocks hold screens securely in place. Wedgeblock fasteners produce easier and better tightening of wedge blocks against the screen hence ensuring screens remain tight independent of wear.



DURABILITY

All baskets are fully seal welded and stress relieved which not only improves vibration transmission to the screen but also reduces corrosion, adding years to the machine's life.

SPECIFICATIONS

General	
Model	SCM-PRIMAG-NLD 4PDD
Speed	1800 RPM
Variable G Force Range	6.0 – 7.75 g's
Screens	
Upper Screens	
Number of Screens	2
Screen Area per Panel	4.89 ft ² (0.454 m ²)
Screen Panel Area	6.78 ft ² (0.630 m ²)
Non-Blanked Screen Area	9.77 ft ² (0.908 m ²)
Screen Angle	-4 to +4 degree
Lower Screens	
Number of Screens	4
Screen Area per Panel	5.56 ft ² (0.5165 m ²)
Screen Panel Area	7.71 ft ² (0.7163 m ²)
Non-Blanked Screen Area	22.24 ft ² (2.066 m ²)
Screen Angle	0 to +6 degree
Dimensions	
Length	126" (3,200 mm)
Width	78.5" (1,994 mm)
Height	56" (1,422 mm)
Weir Height	39.5" (1,003 mm)
Weight	
Net	6,000 lbs (2,722 kg)
Utility Requirements	
Power	7 HP / 2 x 3.5 HP (5.22 kW / 2 x 2.61 kW)
Voltage	380 / 460 V
Frequency	50 / 60 Hz
Phase	3 Phase

CORROSION PROTECTION

The Scomi PRIMAG-NLD 4PDD Cascading has two layers of powder coat. The first coat is baked-on Zinc-rich epoxy which provides corrosion resistance. The final coat provides abrasion resistance.