

**SCM-ELLIPSE 4P
SHALE SHAKER**



Scomi Equipment Inc offers a comprehensive range of Solids control equipment for oilfield applications. The Scomi Equipment Inc line of high performance shakers are specifically designed and engineered to efficiently and reliably separate solids from drilling mud.

The Scomi Equipment Inc Ellipse is a Progressive Elliptical Motion shale shaker which produces 6.25 g's of vibrational force. The Ellipse has been designed with an impressive 30 ft² of screening area while maintaining a small equipment footprint. The large screen area of 30 ft², 6.25 g's of force and the progressive elliptical motion results in excellent solids conveyance and outstanding performance.

PERFORMANCE

Shaker performance can be characterized as a product of screen area multiplied by G force, the 188 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 Ellipse uses the Martin 5900 vibrators which are extremely durable with long life bearings producing less noise. The 5900 Martin Vibrators deliver 6.25 g's of vibrational force to the Scomi Ellipse.

FEATURES & BENEFITS

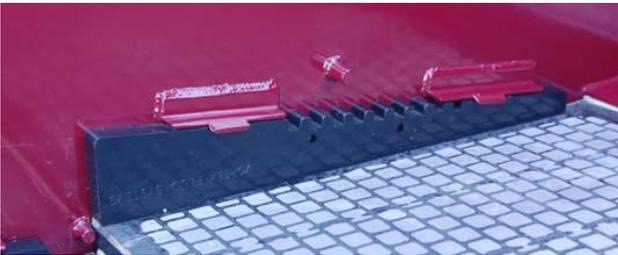
- Progressive Elliptical Motion shaker with 6.25 g's of vibrational force
- Large screening area of 30 ft² (2.79m²)
- Small equipment footprint
- Durable polyurethane wedge blocks hold screens securely in place
- Baskets are fully seal welded and stress relieved
- Two (2) layers of powder coat. Baked-on zinc-rich epoxy 1st layer for corrosion resistance and abrasion resistance final coat
- Scomi shakers are engineered to minimize screen wear
- The large screening area
- Low weir height
- Efficient vibration isolation, hence a quiet machine during operation
- Seal welded baskets reduce corrosion and increase machine life
- Minimal maintenance requirement

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.

**CORROSION PROTECTION**

The Scomi Ellipse 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.

SPECIFICATIONS

General	
Model	SCM-Ellipse 4P
Ellipse Speed	1800 rpm
G Force	6.25 g's
Screens	
No. of Screens	4
Non Blanked Area / 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 deg
Dimensions	
Length	126" (3,200 mm)
Width	78.5" (1,994 mm)
Height	70" (1,778 mm)
Weir Height	26.5" (673.1 mm)
Weight	
Net	4,800 lbs (2,177 kg)
Utility Requirements	
Power	5 hp / 2 x 2.5 hp (3.73 kW / 2 x 1.86 kW)
Voltage	380 / 460 V
Frequency	50 / 60 Hz
Phase	3 Phases

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 a machines life.