

MONGOOSE PRO Shale Shaker



With the new generation MONGOOSE PRO dual-motion shale shaker, M-I SWACO has combined balanced and progressive elliptical motion technology for a shaker that adapts as drilling conditions change.

As drilling conditions change, the evolutionary MONGOOSE PRO dual-motion shaker can be adjusted while operating. Simply flipping a switch on the control box reconfigures the shaker from Capacity to Normal Mode.

Features

- Dual motion: 7.5 G capacity/ 6.5 G normal
- Single switch controls motion changes during operation
- Utilizes pre-tension composite screens
- Patented ultra-tight seal between screen and screen bed
- Largest net (API) screen area among shakers of similar footprint
- Increased screen visibility
- Can be aligned with up to four shakers
- Comparatively small footprint
- Patented high-capacity distribution box
- Heavy duty, reliable, mechanical deck adjustment system
- Corrosion resistant deck jacks
- Low weir height

Benefits

- Increases fluid capacity and solids conveyance rate when operating in capacity mode
- Maximizes fluid recovery and screen life when operating in normal mode
- Allows for continuous shaker operations when switching between motions
- Facilitates fast screen change out
- Eliminates costly solids bypass
- Promotes safer screen changes and inspections
- Minimizes maintenance costs
- Reduces dilution, chemical requirements
- Recovers valuable drilling fluid for reuse
- Reduces waste stream
- Lowers costs
- Improves environmental performance

Key features of the MONGOOSE PRO shale shaker



Increased access for inspection, installation, and removal of screens



Two oilfield proven 2.5 HP motion generators



Deck angle can be adjusted while processing fluid. Adjustment Range is -3° to +3°



Largest non-blanked screen area among shakers of similar footprint: 21.2 ft² (1.97 m²)

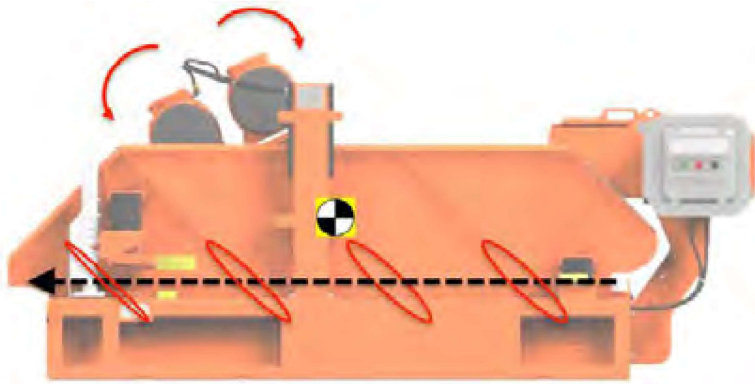


Patented ultra-tight seal between screen and screen bed

Motion comparisons for the MONGOOSE PRO shale shaker

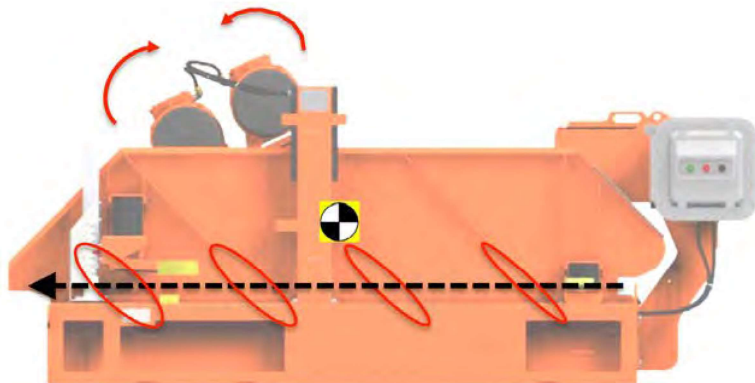
Comparison of motion

Capacity Mode



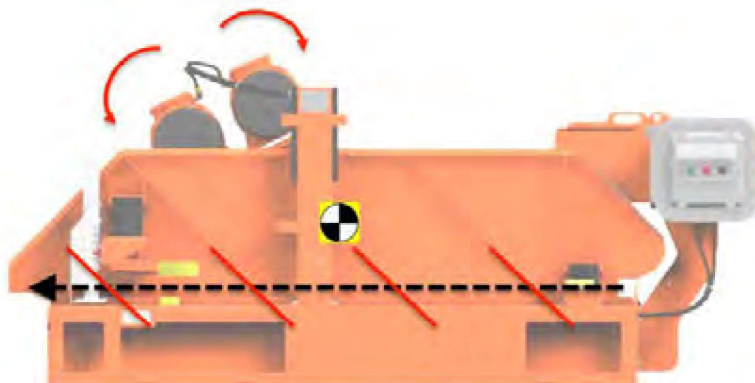
- Increases G-forces 7.5 Gs
- Speeds conveyance
- Increases shaker-fluid capacity
- Enables shaker to process heavier solids loads
- Enhances cuttings-processing volume

Normal Mode



- Reduces G-forces (6.5 Gs)
- Optimizes solids removal
- Maximizes drilling-fluid recovery
- Drier cuttings
- Extends screen life

Linear Motion (Configuration available on special request)



- Linear motion only (8 Gs)
- Applications where a linear single motion high G shaker is required

