Hyper G™ Shaker
Capturing Decades of Experience (Rev I)

www.elginseparationsolutions.com
Full-Service OEM
Engineering, Design, Manufacturing, Commissioning and Servicing.

As a division of the Elgin Equipment Group, Elgin Separation Solutions is able to tackle both the small and the big projects, regardless of location or well complexity.
Organizational Footprint
And Key Customers.
Elgin Separation Solutions’ Dual Motion Hyper-G™ allows operators to select both the G-force and the excitation pattern (linear motion or balanced elliptical motion) with a single on-board NEMA 7X explosion-proof VFD system.
Elgin Separation Solutions has incorporated a series of product innovations into the Hyper-G Shaker that now allows operators to use one shaker for a variety of mud and hole applications.
Elgin’s Dual Motion Hyper-G™ shale shaker allows operators to tune one shaker for any hole or drilling fluid condition experienced.

- NEMA 7X Class I – Division I VFD Panel provides multiple G-forces in both linear and balance elliptical motion.
- One-piece Firestone Marshmallow Springs maximize G-force while minimizing carriage vibration.
- Dual 2.5HP Explosion-Proof High-G motors provide up to 7.5 G's of force.
- Multi-functional High-G motors generate both linear and balanced elliptical motion.
- Fully balanced, adjustable while drilling single-point jacking system.
To ensure that excessive G-force is not being applied, when not called for, the on-board VFD allows for optimum system fine-tuning.
The Hyper-G™ Shaker was designed for maximum installation flexibility, regardless of the rig or the current assets utilized.

- Fully-balanced shaker basket allows for deck angling with minimal effort while drilling.
- Dual single-piece flow diverters allow for mud to be managed to either side of the shaker.
- New conveniently located knife-gate provides for seal-tight mud by-pass capability.
- Reversible control panel that can be placed on the left or right side of the shaker.
- 10” inlet flange provided directly on rear of one-piece possum-belly / gumbo tray.
Ensuring Operator Safety Remains a Fundamental Commitment to Elgin’s Design Philosophy.
By significantly improving the design, Elgin has been able to extend a three-year warranty with its Hyper-G™ Shaker.

**Hyper-G™ Shaker**

*Mud Management*

- Integrated “gumbo tray” and “possum belly” eliminate possibility of mud by-pass into the carriage.
- “Gumbo tray” designed with integrated flow diffusion device to minimize physical wear on the screens.
- New single piece wedge ensures that sufficient pressure is applied to seal the screens to the basket.
- Elgin’s proprietary “water-fall” staggered screens eliminate solids bypass between screens.
- Integrated mud skirt lip allows for smooth discharge of solids directly into a conveyor or tank.
Most importantly, Elgin’s new Hyper-G shaker comes with an unbeatable, industry leading, 3-Year Limited Warranty.
Closing the WBM & OBM Loop
Integrated Solids Control and Waste Management Products.

Elgin’s product portfolio provides a “one-stop” shop for any solids control management or waste management challenge.
Hyper-G™ Shaker

Key Features

**Power**
On-Demand Power

With a redesigned basket & motors, the Hyper-G™ is Elgin Separation Solution's most powerful variable G shaker, therefore allowing the operator to tune the shaker to the drilling program.

**Motion**
Selectable Motion

By the simple turn of a switch the Hyper-G™ can generate either linear motion or balanced elliptical motion, therefore allowing the operator to tune the shaker to the cuttings.

**Durability**
Three-Year Warranty

By focusing on quality and value, Elgin Separation Solution's Hyper-G™ maintains the industry’s most aggressive three-year warranty.
Elgin Value
Definitive Value Proposition in Utilizing Elgin Shakers

Unsurpassed Experience
Elgin Separation Solutions has shipped shakers to over 40 different countries over the last 25 years and continues to provide local support and maintenance in 16 different countries.

Unsurpassed Durability
With more than 25 years of experience building shakers for the oil and gas industry, Elgin Separation Solutions has developed a reputation for the most durable systems in the market. The average asset life exceeds 10 years with proper preventative maintenance.

Engineering Support
Elgin’s dedicated Engineering team evaluates system hydraulics, frictional losses, predictive reliability, and failure mode evaluation analysis (“FMEA”) for each shaker designed. Months of product validation testing is performed prior to the release of any Elgin shaker.

Elgin manufactures its own spare parts and consumables ensuring 100% integrated accountability for the entire shaker.