

Elgin's Patent-Pending Screen Cascade Technology



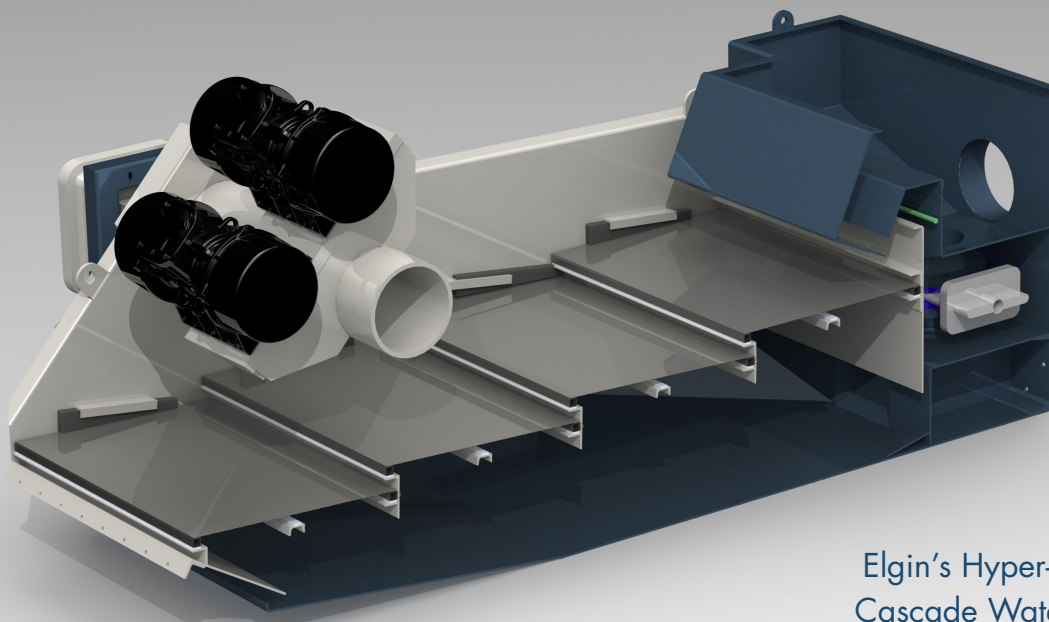
Despite the advances achieved in shaker screen technology, they have failed to mitigate the largest source of solids bypass. This is the direct result of shaker screen decks that allow drilling fluid to continuously pass over the rear flow-line gasket of each screen.

Over time, these gaskets weaken and/or lose their seated position as a result of the energy exerted by the vibrator motors. When this happens, it is possible for significantly larger volumes of coarse solids to bypass the shaker and directly enter the active mud system.

Elgin's new patent-pending Screen Cascade Waterfall Technology incorporates a proprietary angled deck configuration that insets each successful screen below the prior screen. This fully protects the seated position of each screen and allows the drilling fluid flow to fall onto each screen past the gasket position. This greatly lowers the potential for solids to be driven between the screen gasket and the shaker basket and dramatically extends the life of the shaker screen gaskets.

Elgin's Screen Cascade Waterfall Technology yields a number of unique benefits, including:

- *Improved primary drilling fluid treatment.*
- *Allows for independent installation of removal of screens.*
- *Ensure maximum screen gasket life.*
- *Eliminates "settling ponds" where drilling fluid and solids can build between screens.*
- *By the nature of the design, each inclined screen improves the solids dewatering by increasing the treatment residence time.*



Elgin's Hyper-G™ Screen Cascade Waterfall Design