



# CASCADE 2000



Combines the benefits of Derrick's revolutionary Flo-Line Primer with the time-proven solids removal capabilities of the Flo-Line Cleaner 2000 into a single, compact unit.

# DERRICK CASCADE 2000 SYSTEM

*The Derrick Cascade 2000 combines initial scalping and primary screening in underground construction applications including Micro-tunneling, Horizontal Directional Boring, and Foundation Drilling.*

**The Top Primer Deck** - provides initial separation of large-oversized material such as cobbles, stones, gravel, etc., Scalping of large-oversized particles reduces loading on the primary shaker below improving separation efficiency and increasing primary shaker screen life.

Scalping separation is accomplished by the use of an inclined variable speed mesh conveyor, which transports the cuttings off the machine without vibration. The long-life (average running time: 250 hours) inclined synthetic conveyor belt is available in 5, 10, 20 and 30 mesh. The four access doors, one located on each side and two on the back of the machine, allow for easy clean out and simplified belt replacement. A counter rotating brush effectively cleans the belt without adding any water to the system.

**Primary Screening** - is done by the bottom deck of the Cascade 2000 is powered by two Super G™ motors, which provide an unprecedented linear vibratory force of over 7.0 G's. This increase in G force at the screen surface has been found to dramatically improve the conveyance rate, allowing for the removal of more tons per hour of cuttings.

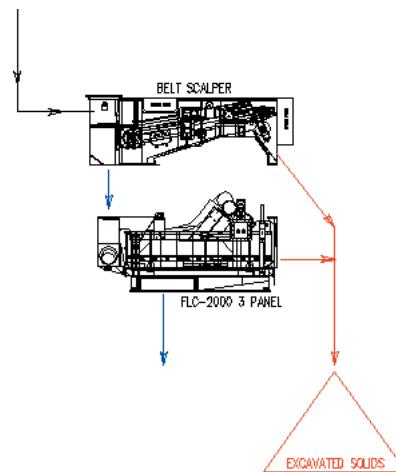
The bottom deck allows for the use of Derrick's full line of patented screen panels. Available screens include Urethane (TH), Perforated Plate (PWP), three-dimensional Pyramid (PMD™), and Pyramid Plus (PMD+™) screens. Installation of patented Derrick Urethane and Pyramid screens permits the use of finer mesh sizes at higher capacities, further optimizing the performance of the Derrick shaker.

Derrick's time proven adjustable deck angle is a manually operated hydraulic jack that enables one person to quickly and easily raise or lower the screen basket from -1° to +5°. As production rates and formation or mud properties change, the angle of the screen surface can be adjusted to achieve proper solids conveyance and precise fluid end points without interrupting operation.

The Cascade 2000 is a component-based system, allowing the two modules to be run independently if desired.



Flo-Line Primer removing large drilled cuttings at 10 mesh.



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## APPROXIMATE WEIGHT AND DIMENSIONS

Weight:	7,000 lbs (3718 kg)
Overall Length:	131" (3327 mm)
Overall Width:	70" (1778 mm)
Overall Height:	91" (2311 mm)
Weir Height:	72" (1829 mm)