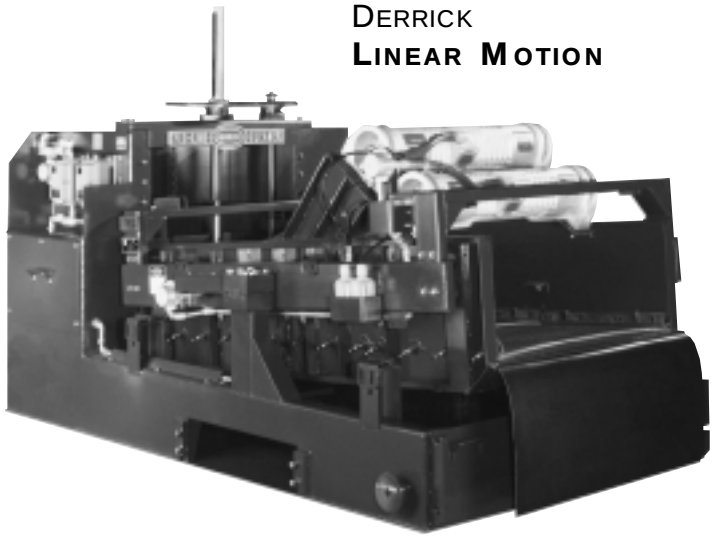
DERRICK® CORPORATION

KAOLIN CLAY

Derrick Corporation is a successful supplier of vibrating screening equipment to the clay industries. Derrick manufactures high quality, screening units for both the wet and dry processing industries. Our speciality in the industry is fine screening from $^{3}/_{4}$ inch to 400 mesh. The Derrick Linear Motion and Derrick Low Profile (LP) units are the most common screening machines used in the clay industries.



DERRICK
LINEAR MOTION

IN THE CLAY INDUSTRIES, OUR SCREENS ARE USED FOR:

- Degritting
- Removing of grinding media
- Removing mica after hydrosizers
- Product screening

DERRICK ACCESSORIES WHICH HAVE PROVEN BENEFICIAL IN THE CLAY INDUSTRIES INCLUDE:

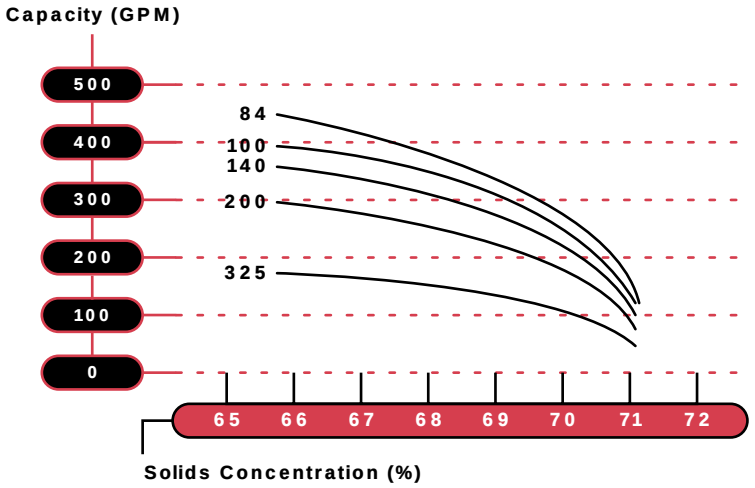
- Urethane screen panels
- Three-Dimensional, Pyramid® Screen
- Anti-blinding, Sandwich® Screen
- Bonded screen cloths
- Floating backing wire
- Flo-Trak™ screen panels
- Ramp-Lok draw bolts

DERRICK
LOW PROFILE (LP) UNIT

Capacity

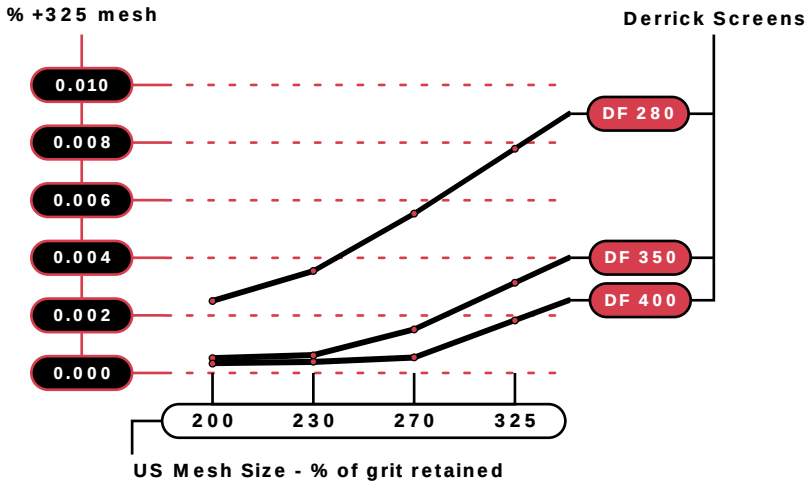
Screen capacity and grit levels depend on the screening objective, unit design, cut point, feed percent solids, feed distribution, particle shape, slurry viscosity and panel design. Figure 1 illustrates product screen capacity at different percent solids and cut points.

(*It is our experience that screen capacity is very difficult to predict, and laboratory testing is strongly recommended.*)



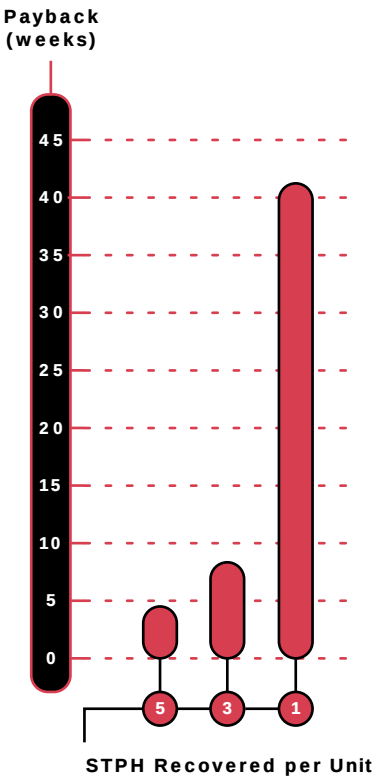
Cut Point vs. Grit

Figure 2 demonstrates how panels with various cut points remove different amounts of grit. With other classifiers, more product is discarded to tailings due to classification inefficiencies.



Return on Investment

Figure 3 shows the return on investment for one (1) Derrick screen with 3 different levels of product recovery. It is not uncommon for one (1) Derrick screen to recover more than 1 STPH of product.



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