



## Sand Recovery and Classification

**Cyclones** – Process Engineers provides cyclones manufactured by Krebs which come complete with metal housings, replaceable rubber liners, cyclo-stack sand dewatering boots and siphon controls. The sand is generally recovered back into a sand product or further processed and classified. The dirty overflow is typically fed to a high capacity water clarifier or pond.

**Density Separators** – Process Engineers provides density separator sand classifiers. Density separators are a very accurate way to classify sand and are able to make a very specific cut to maximize desirable sand products. They operate by using a rising current of water through a bed of sand. The cut point is changed by changing the rising current rate and/or density of the sorting zone.

**Structural** – Process Engineers designs and manufactures custom structural supports for cyclone and density separator systems. We also design rubber lined manifolds for material splitting to multiple units and bulk material handling hose for conveying sand slurry between pumps and cyclones.

**Process Engineers & Equipment Corporation** is a family-owned business with equipment installed in hundreds of plants in North America and abroad. We specialize in sand classification and dewatering, slurry transport, fine sand recovery, water clarification and sludge dewatering systems. These systems are designed to recover salable products while reducing operating costs by eliminating costly tailings ponds. We differentiate ourselves with unrivaled field installation and operation experience, accurate process flow diagrams and equipment sizing, and systems automation.

With manufacturing facilities in Washington, Texas, and Wisconsin, we differentiate ourselves from others by providing personal on-site service. We deliver Tier 1 quality equipment and engineered solutions in a timely manner. Please contact us anytime for your project and equipment needs.

### Benefits for you

- We use a modeling program to predict cyclone recoveries and properly size units for your application
- Efficient removal of clay
- Removal of non-product particles
- Maximize product yield