



PD411H

HIGH SHEAR COLLOIDAL GROUT PLANT

PENNDRILL MANUFACTURING
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WHY USE A HIGH SHEAR COLLOIDAL MIXER?

The PD411H Colloidal Grout Plant is designed with quality, productivity and ease of operation in mind. Each grout plant is inspected and tested for the highest level of quality. The Colcrete mixer produces a superior high shear colloidal mix and is the industry leader. The output pump on the holding tank has been proven to be very durable and reliable. The manual functions allow a single operator to manage all aspects of the plant, resulting in savings to labor costs. Pump output and all grout valves are controlled with ease. Many well known and respected geotechnical contractors rely on the PD411H every day to produce the highest quality grout possible. This product is a turnkey solution for your grout needs.

HIGH STRENGTHS AND HIGH SHEAR MIXING:

Colloidal mixing actions obtained allows the use of lower water/cement ratios, resulting in grouts with higher strengths than those mixed by conventional methods. With a discar tip speed of 26.5 meter/sec at 2,100 rpm results in a mix that can be pumped and remain stable without separation to permeate voids uniformly. Slurry is repeatedly re-circulated through the zone of high shear within the mixer to breakdown any clusters of dry particles and ensures maximum dispersion of fluids and solids, including hard to mix materials such as bentonite.

FAST, EASY CLEANING AND MINIMAL MAINTENANCE:

This unique design allows the operator to easily clean the unit in very short order with easy access cleaning ports at critical locations and other features to reduce the likelihood of maintenance issues.



SPECIFICATIONS:

- **ENGINE:** TIER 4 50 STATES COMPLIANT DIESEL
- **MIXER CAPACITY:** 40 GAL
- **HOLDING TANK CAPACITY:** 65 GAL
- **PUMP OUTPUT FLOW:** 38 GPM
- **PUMP OUTPUT PRESSURE:** 240 PSI
- **COLCRETE MIXER:** ADMK1 SERIES
- **OVERALL DIMENSIONS:** 96" x 77" x 77"

PENNDRILL MAINTAINS ALL COMMON WEAR
ITEM REPLACEMENT PARTS IN STOCK

