

## Central Mixing Plant

Complete central mixing plant (pugmill) with a manufacturer rated mixing capacity between 600-1200 tons per hour. This plant was designed and has been operated to screen soil and aggregates and mix with cement (or any dry reagent) and water to produce soil cement , CTB (concrete treated base), bentonite clay and remediation of metal impacted soil. The MCC panel of the control trailer utilizes a Unitronics PLC which allows for accurate mix design duplication and cost effective operation.

The central mixing plant includes the following:

- Eagle 44" X 10'6" pugmill mixer with a 15 CY feed hopper and 42"X40 scale belt mounted n a dual axle trailer
- 30 ton feed hopper with 10 Hp VFD driven motor
- 36X80 truss conveyor axle mounted with 25 Hp motor
- Trio 6X16 double deck screen with poly screen decks, 25 Hp motor mounted on a heavy duty skid stand , reject chutes for both decks and 36X50 product transfer conveyor
- 36"X60 reject transfer conveyor with 10 Hp motor mounted on an axle
- 40 ton cement silo with vane feeder, VFD drive,12" auger feeder, base I beams with Rice Lake load cells on all 4 legs and Alanco pulse jet dust collector
- 36X60 Conveyor Systems radial transfer conveyor with 10 Hp motor
- Dakota 30 ton load out hopper with 42X60 Reuter conveyor to load out soil cement to haul trucks
- Custom built 22' van control trailer with control panel and start/stop switches, (2) Belt Way scales, 125 Hp soft start starter, 3 size 3 starters, 4 size 2 starters, 6 size 1 starters, (3) 20 Hp Siemens VFD's and (5) 10 Hp Siemens VFD's. A programable Unitronics PLC monitors and controls the soil, cement and water inputs for accurate mix design duplication