



PUGMILL

CONTINUOUS MIXING PLANT

Mixing Capacities up to 1000 TPH

Rubberlined opening Walls and Floor

Relocatable Plant Options

Reversible Ni Hard Paddles

Complete Turn-key Solutions



ROCKTEC
Rock Technology



PUGMILL

CONTINUOUS MIXING PLANT

Rocktec continuous mixing plants are designed to provide capacities of up to 1000 TPH, of any granular or fine material with both liquid and particle binders. All Rocktec Pugmills are supplied as an integrated unit to provide a complete package for the end user. The mixer forms part of a total system which the feed metering is a critical part.

Rocktec Metering Systems are designed to ensure the desired proportions are efficiently and accurately delivered to the Pugmill. Aggregates are delivered by volumetric or weight control in a 'ribbon' stream to the pugmill, this increases the mixing efficiency. Rocktec Pugmills feature Heavy Duty Rubber Lined side walls. These walls are hydraulically hinged and open to allow extensive access to the mixing chamber for unobstructed inspection and maintenance. The lower quadrant of the mixing chamber are also rubber lined and hydrolically opened. When these 'bomber' doors are opened the crust which forms part of the wearing surface is easily removed to eliminate cross mix contamination.

With all wear surfaces lined with rubber and hinged for access, inspection, cleaning and routine maintenance is made easy. All additional contact surfaces are lined with UHMWPE.

➤ Shaft

Rocktec standard shaft design uses oversize arms welded to the shaft. Each mixing plane features four reversible, cast NiHard Paddles, which form the advancing helix.

➤ Discharge

Choices of stockpile conveyor and feeding directly into a truck. Stockpile capacities of our 750 Tonne are possible with a Radial Luffing conveyor option.

➤ Water

Positive Displacement metering pumps provided complete with surge tank, to deliver up to 50m³/hr.

➤ Bearings

Housings are designed specifically to ensure the greatest protection for the bearings. Double seals with additional air gap keep any contaminants out.

➤ Electrical

Advanced PLC provided to enable up to 50 separate mixers pre-programmed into the system, with silo level monitors and auto shutdown sequences if any ingredient runs out.

➤ Silos

Rocktec offers a range of proprietary silos from specialist manufacturers to complement specific system requirements. Silos discharge volumetrically via rotary valves or augers.

➤ Infeed Hoppers

Capacities up to 17m³ as standard, suitable for loading with up to CAT 980 or equivalent. Internal Top hats for additional belt protection. High efficiency belt feeders with integrated scales on weight systems models) and close coupled drive boxes.

Rocktec can tailor a solution to suit your specific site requirements. Whether it is a 2 Bin + 1 Silo or a 4 Bin + 2 Silo combination, a complete turnkey solution can be provided by Rocktec to exacting standards. All plants comply with the latest Australian and New Zealand electrical and mechanical safety standards.

All rocktec pugmills are built to withstand the harshest mixing applications and designed to give maximum throughput with minimum maintenance.



- **Mixing Capacities up to 1000 TPH**
- **Rubber lined opening Walls and Floor**
- **Complete Turn-key Solutions**
- **Relocatable Plant Options**
- **Reversible Ni Hard Paddles**



STANDARD FEATURES

Rocktec offers a range of Pugmill Plants to suit all mixing requirements. Custom solutions can be designed to suit individual site and customer requirements.

Talk to your local Rocktec representative about the possibilities for your site.

► Pugmill Features

- Hydraulic Folding Walls lined with 25mm rubber, with clearance to suit maximum 100mm Material
- Ends and Roof Lined with UHMWPE plastic liner
- 130 Diameter bearings, Double Sealed from Mixer Material
- 200 diameter shaft with weld on paddle arms, reversible Ni hard paddles (600 BHN)
- Main Shaft flanged to input shaft
- Dual motors through electronically timed gear boxes
- Hood over inlet, with dust extraction unit.
- Bomb-door floor opening under pugmill.
- Safety interlocks provided to prevent machine operating if access points not locked closed.
- Weigh scales on cement conveyor interlocked to feed.
- Positive displacement water pump interlocked to feed.

► Pugmill Capacity

- Mixing Capacity up to 1000 tph with Continuous Feed
- Maximum Input Material Size 100mm

► Silos (Option)

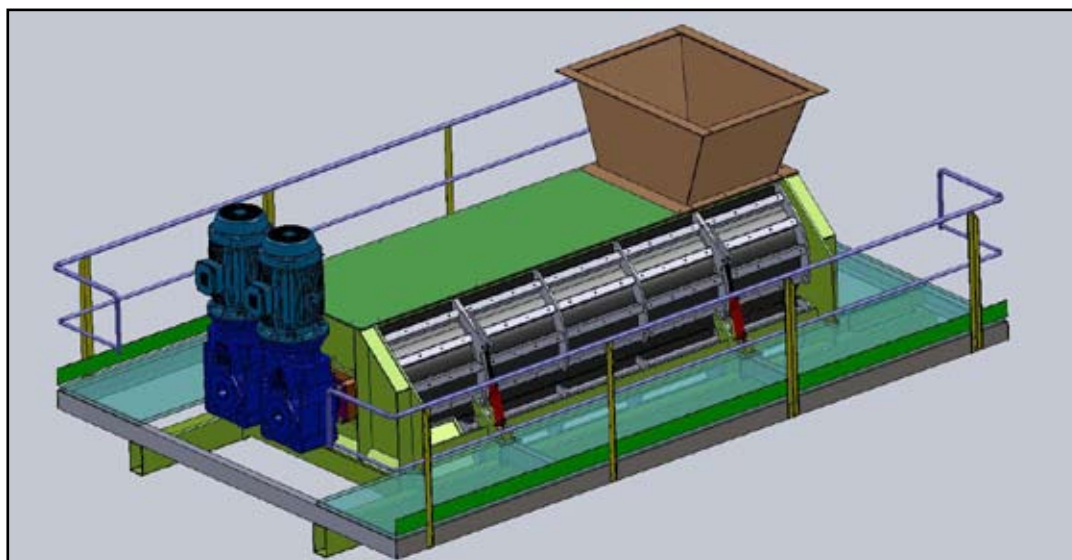
- 2 additive silos for lime or cement, capacity 50m³ each
- Filler pipe, over pressure valve, filter, high/low alarm, fluidization at base.
- Galvanised
- Auger discharge up to 40 tonne per hour each

► Plant Washdown

- 5.5 kW Grundfos yard Pump reticulated to Pugmill (option).

► Pugmill discharge

- Up to 750 tonne stockpile under luffing conveyor



All Specifications and capacities are for information purposes only and are subject to change without notice. Please contact your Rocktec representative for system capacities and specifications, specific to your site requirements.

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