



#### Primary Hopper Belt Feeder:

The primary hopper has a nine cubic yard capacity with an 11' x 5'-4" top opening. The sides of the hopper have a 70 degree slope and are constructed of 3/16" thick A-36 steel.

The primary belt feeder is positioned underneath the primary feed hopper. The belt feeder is powered with a 5 hp variable speed electric drive. The feeder has a belt-width of 36" and is 11'-6" long.

#### Feed Conveyor:

The feed conveyor transfers material from the feed hoppers to the pugmill mixing box. It has a heavy duty channel-type frame, and is powered with a 7.5 hp electric head end drive. The conveyor is 27'-6" long and has a belt width of 30".

#### Pugmill:

The twin shaft pugmill consists of an enclosed 4' x 6' mixing box with AR steel liners. Enclosed in the mixing box are two heavy-duty 6" XH counter rotating shafts. These shafts push 40 double tip paddles in an overlapping spiral arrangement. The paddles are 4 3/4" x 5 1/4" x 1" Ni-hard tips set at a 45 degree pitch. Paddle tips have an adjustable wall clearance range of 3/4" to 2".

Power is transferred to the rotating shafts from a 60 hp electric motor through a v-belt/gear reducer drive. The reducer drives a single shaft which in turn powers the other shaft. The shafts are coupled with 3" timing gears that rotate in an oil bath.

The mixing box has an adjustable dam gate, a receiving hood, a spray bar, inspection doors, and a drop out bottom for easy clean out.

**Chassis:**

The pugmill plant's portable chassis consists of a heavy duty channel-style frame with a gooseneck and kingpin located at the feed end of the plant. The chassis utilizes a walking beam-type tandem axle with dual 11.0 x 22.5 tires (8 total) located at the discharge end. The kingpin area of the chassis is supported with hand crank landing gear during storage and two pin lock tube style support legs during operation.

**Secondary Hopper:**

The optional secondary hopper has a six cubic yard capacity with an 10' x 5' top opening. The sides of the hopper have a 60 degree slope and are constructed of 3/16" thick A-36 steel.

The secondary belt feeder is positioned underneath the secondary feed hopper. The belt feeder is powered with a 5 hp variable speed electric drive. The feeder has a belt-width of 30" and is 8' long.

**Water System:**

The pugmill plant's optional water system includes a 150 gpm pump (powered by a 3 HP motor), a flowmeter, and a valve. The system can be configured per customer request to be adjusted manually or to be automatically proportioned.

**Asphalt System:**

The optional asphalt system includes a 100 gpm pump (powered by a 10 hp motor), a flowmeter, and a valve. The system can be configured per customer request to be adjusted manually or to be automatically proportioned.

**Walkway:**

The 24" wide walkway gives the operator access to the pugmill mixing chamber. It consists of an operator's platform and a stairway (with handrail) to provide access to the platform from the ground.

**Automatic Proportioning:**

Automatic Proportioning is an optional feature that utilizes feedback from a belt scale to automatically adjust the amount of additives (e.g. water, asphalt, fly ash) that will be combined with varying amounts of material being fed to the pugmill mixing box.

**Controls:**

Controls for the pugmill plant are located on a ground accessible panel mounted to the side of the plant. Operators have start/stop capability for the plant as well as the ability to vary both the speed of the belt feeder and the rate at which any additives will be blended into the feed material.

**Physical / Operating Characteristics:**

Overall Length.....	48'-9"
Travel Length; kingpin to tail: .....	47'-5"
Travel Height.....	13'-4"
Travel Width.....	10'-9"
Feed Height.....	11'-8"
Discharge Height.....	8'-3"
Travel Weight (kingpin) .....	10,400 lbs
Travel Weight (axle) .....	26,400 lbs

**Mixing Capacities (100 pcf material):**

Dry Material Throughput .....	300 TPH
Water System (Optional) .....	150 GPM
Asphalt System (Optional) .....	100 GPM

**Options:**

- Secondary Feed Hopper (6 yd<sup>3</sup>)
- Belt Scale
- Dry Solids Flowmeter
- Diesel Genset (95 KW)
- Hydraulic Dribble Gate with Power Pack
- Manual Water System
- Automatic Water System
- Manual Asphalt System
- Automatic Asphalt System
- Discharge Hood



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**NOTE: Specifications are subject to change without notice.**

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