



PUG MILL MIXERS

Eagle Iron Works offers a range of rugged, high-capacity continuous mixers for applications in many industries. They appear in cold-mix asphalt trains and hot-mix asphalt plants. They are used to prepare stabilized base materials for roads and highways. Eagle's mixers may be used to mix reagents with contaminated earth in soil remediation projects. With small modifications, they even appear in power generation plants to pug neutralizing agents into flue gas desulfurization byproducts.

Eagle's Pug Mill Mixers have a sturdy box construction. They feature a rectangular feed inlet with optional hopper on top and a rectangular bottom discharge opening at the opposite end. Hinged inspection ports on the top of the machine open to expose the expanded metal personnel safety covers underneath.

Spray bars and a direct reading flow meter make it easy to control the product's moisture content. The plumbing can be modified to accommodate bituminous emulsions or other viscous fluids.

The counter-rotating twin shafts have intermeshing paddles cast of abrasion-resistant Eagle Armor, a chromium-nickel iron alloy. The shafts are synchronized and supported at one end by a single-input, double-output speed reducer of Eagle Iron Works' design. The shafts are supported at the other end by flange-mounted, grease-lubricated roller bearings. The paddles are reversible to provide increased scrubbing time.

OPTIONAL EQUIPMENT

Curved Close-Clearance Liners for Processing Binding Materials | Surge Bins with Hydraulically Operated Clam Gate | Pillow-Block Rear Bearings

DESIGN FEATURES

- Eagle's designed and built heavy-duty gear reducer
- Intermeshing shafts provide thorough mixing of materials
- High-grade, one piece, thick-walled steel tube
- Replaceable Eagle Armor paddles
- Three-bolt fastening system provides solid connection to mounting spuds
- Mixer tub is fabricated with thick-gauge steel
- Hinged Safety Covers
- Spherical-roller rear grease bearings

Pug Mill Mixers					
Size (Dia. x Length)	Maximum Capacity	Maximum Material Size	Electric Motor	Shaft (RPM)	Machine Wt.
27" x 8' 6" (685 mm x 2.5 m)	200 to 350 STPH (180 to 315 MTPH)	2.5" (63 mm)	40 HP (30 kW)	80	6,200 lb (2812.2 kg)
36" x 8' 6" (914 mm x 2.5 m)	350 to 750 STPH (315 to 675 MTPH)	2.5" (63 mm)	75 HP (56 kW)	60	10,600 lb (4808.0 kg)
44" x 12' (1117 mm x 3.6 m)	600 to 1200 STPH (540 to 1080 MTPH)	2.5" (63 mm)	150 HP (112 kW)	50	19,700 lb (8935.7 kg)



A portable EIW Pug Mill Mixer complete with a 2 hopper feed system