

Manufacturer of Concrete Batching, Mining, & Quarrying, Blending & Asphalt Equipment



Twin shaft continuous mixer / pugmill

Produces:

- » Paving concrete
- » Roller compacted concrete
- » Stabilised road base
- » Cement treated base
- » Back fill paste for mines
- » Land fill soil mixed with bentonite
- » Mixing of contaminated soils
- » Solidification of sludge's
- » Foam bitumen

CMQ's unique design of the twin shaft mixer gives a stream of mixed product based on infeed product weight. Material is fed into the pugmill at the opposite end to the drive allowing easy and full access for inspection and maintenance to the electric motor, gearbox and hydraulic pack. The powerful twin-shaft mixing action transforms the raw material into a continuous stream of product.

Steel case mixer has top access on either side for inspection and cleaning. Hydraulically operated bottom radial doors open for cleaning and exposure of the total mixing chamber. There is no case build up because of this unique radial door design. A Poly Lining is

attached to the incoming product end wall eliminating any build up on this face.

Technical Data

The number and configuration of mixing paddles is varied to suit different applications. For Back Fill Paste Mixers, a weir is added to the mixing chamber. This weir retains product within the mixer for a longer period ensuring thorough mixing of paste.

Option

CMQ has a unique mixing shaft design that allows for the quick removal of the two mixing shafts for maintenance or the removal of the mixing chamber and drive section independently.



Hydraulic pump and drive assembly

Available Models

Pug Mill 400

- Capacity – **400 Tonnes per hour**
- Mixing blades – 50
- Power requirement – 90kW single drive (75, 110kW optional)
- Mixing chamber length – 2550mm
- Shaft diameter – 150mm solid shaft
- Shaft centre – 600mm
- Bearing – 125 and 110mm

Pug Mill 600

- Capacity – **600 Tonnes per hour**
- Mixing blades – 58
- Power requirement – 110kW single drive
- Mixing chamber length – 3000mm
- Shaft diameter – 150mm solid shaft
- Shaft centre – 600mm
- Bearing – 125 and 110mm

Pug Mill 1000

- Capacity – **1000 Tonnes per hour**
- Mixing blades – 64
- Power requirement – 180 kW single drive
- Mixing chamber length – 3300mm
- Shaft diameter – 180mm
- Shaft centre – 650mm
- Bearing – 150mm and 125mm

Pug Mill 500 Paste Backfill

- Capacity – **500 Tonnes or 250 cubic meters per hour**
- Mixing blades – 72
- Power requirement – 90kW single drive
- Mixing Chamber length – 3665mm
- Shaft Diameter – 150mm solid shaft
- Bearing – 125 and 110mm



Mixing chamber



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Hydraulic controls