

IMS PM 1050-16Tb Track Pugmill

The **IMS Tracked Pugmill** is fitted with a twin shaft mixer for high production and anti-surfing to produce high quality material blending for stabilizing road based materials with the addition of water, cement, lime and can also be used for blending at asphalt plants, cold emulsified asphalt mixing (Cold Mix) to Roller compacted Concrete (RCC) and flowable backfill and pre-coating. The feed material is controlled with variable speed and front adjustable flow control gate on the hopper. The water supply has its own water surge tank and control gauges to maintain consistent flow to the mixing chamber. Cement and lime additives can be added by manual controlled argue from silos or a fully computer controlled integrated system operating between the pugmill and silo.



The IMS Pugmill offers a high production affordable track mounted machine which offers quick fully hydraulic set up between transport and operating mode and the advantage of self loading onto transporters and site mobilization. When not required as a pugmill the pughead can be removed and used as a sixteen meter track conveyor which can be fed with either a loader, crusher or screen. This can also be fitted with its own two deck screen box offering the upmost flexibility in plant management and utilization of capital instead only offering a single plant function as is the case with most Pugmills. Crusher & Screen can also offer mobile cement silos and addition mobile feed bins for sale or hire.

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Specifications

CONVEYOR

The conveyor is constructed in 3 latticed angle sections , the tail section includes a generous 8m³ feed hopper and the head section includes the conveyor drive , consisting of twin Sauer-Danfoss hydraulic motors coupled to a rubber lagged drive pulley with variable speed.

DIESEL-HYDRAULIC POWER UNIT

The conveyor is powered by a Caterpillar C4.4 75.5kw liquid cooled Diesel Engine coupled to a triple hydraulic pump giving sufficient oil flow to drive the conveyor at maximum output, to provide the drive for the Pug Head, to operate the crawler tracks, and to operate the various hydraulic cylinders

UNDER-CARRIAGE

The under-carriage consists of the hydraulically operated crawler tracks together with an adjustable support trestle arrangement, which allows variation in both feed and discharge heights

PUG MILL HEAD

The Pug Mill is designed with Twin Mixer shafts for anti-surfing and high production material blending. Each shaft is fitted with replaceable 500 grade Paddle tips rotatable through 180° to equalize wear. Pug Mill drive consists of a hydraulic piston motor directly coupled to a Chain Final Drive to give an auger speed of 100 RPM at a motor speed of 1850 RPM. Pughead dimensions are 2400mm long x 1360mm wide x 835mm deep. Pughead augers are 1800mm long by 640mm diameter producing up to 480 tonne per hour depending on the material etc.

HYDRAULIC FOLDING MECHANISM

The folding mechanism of the conveyor head and tail sections allow for quick site set up and provides a flexible approach to transport of the unit. The hydraulic folding is designed so that the hydraulic cylinder piston rods are fully protected when the machine is operational

EMERGENCY STOP SYSTEM

Every PM1050-16TB Track Pug Mill unit is equipped from the factory with an emergency stop system that will render the plant inoperable when activated, providing added safety for the operator.

STANDARD FEATURES

Crawler Track Movement with Dog Lead Control

75 kw Diesel-Hydraulic Drive

1050 mm (42") wide 3 ply conveyor belt

Hydraulic Folding on Pug Mill

Hydraulic Folding of Head Section

Hydraulic Raise and Lower

Hydraulic Adjustment of Tail Section for transport on Low Loader

Water Header Tank

Additive Chute

Wash facility for Pug Mill Mixer

Remote Stop/Start controls the conveyor, pughead and water pump all at once

Variable speed conveyor and front of hopper adjustable flow gate

OPTIONS

Dual Power

Electric & Diesel / Hydraulic Power Unit Remote Start/Stop

Hopper Hardox Wear plates

SPECIFICATIONS

Operational length 18 meters (60')

Operational height 5 meters (42'8")
under the pughead (Height Adjustable)

Loading height 1.2M – 3.4M (4'0" – 11' 3")

Feed hopper Hopper length 5.00 meters (16'.25")
Hopper Capacity 12 cubic meters

Hydraulic tank capacity 377 l (83 gallon)

Diesel fuel capacity 216 l (48 gallon)

Engine make/model Caterpillar C4.4 NA

Engine Type 4 cylinder Liquid Cooled

Engine power (horsepower) 74.4kw (100 HP)

Transport width 2.25M (7'4")

Transport height 3.5 M (11'6")

Transport length 13.019 meters (42'31")

Weight 19.680 Tonne (43,296 lbs)

