PAVEMENT TECHNOLOGY, INC.

PTI's MiniPugmill™ Double Mixer

GENERAL:

Hot-Mix Asphalt Laboratories have needed an efficient mixing system for many years. PTI has solved this problem by developing the Double Pugmill Mixer.

The Double Pugmill Mixer utilizes Stainless Steel Augers, which are offset inside each pugmill chamber. It can mix as little as 4.5 kg.(10 pounds) or as much as 20 kg.(44 pounds) in each chamber. The Mixer can prepare mixture closely simulating plant mix for a large range of size specimens. For example it can prepare enough mix for two (4) Asphalt Pavement Analyzer (APA) Beams in one mixing. The augers in each chamber are designed in such a way as to push the mix away from each chamber wall toward the middle of each chamber. This feature insures that that the aggregate particles achieve total coating in less than 1 minute. The Double Pugmill Mixer has heated chambers that are capable of maintaining temperatures up to 400-Fairenheit.

DIMENSIONS:

Height:	49"	(125cm)	Depth:	25"	(64cm)
Width:	64"	(163cm)	Weight:	1480 lbs.	(672kg)

MIXING CHAMBER:

- Two chambers are made of 3/8" steel plate with an access door assembly for introducing mixture ingredients.
- Each chamber can mix from 4.5 kg. (10 pounds) to 20 kg. (44 pounds).
- Both chambers mix simultaneously

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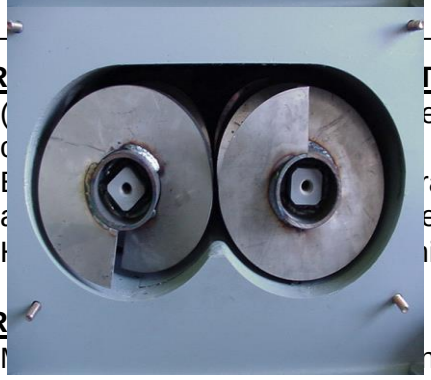
- Each mixing chamber has a slide gate operated by a pneumatic cylinder for discharging mix into a receiver pan.
- The mixer has two receiver pans 0.7 cubic foot in capacity. The pans are constructed of 14-gauge steel.
- Each chamber has (2) augers that can be easily removed and cleaned. An end plate is secured by 4 Allen Taps on the end of each chamber. Auger assembly is detached by removing a 7/16" allen bolt from end of the shaft

Below are Mixing Chamber Pictures:



CONTR TURE:

- (e mounted on the outside of the pugmill c
- E rature controller. The temperature controller a emperature inside each chamber.
- H ixture accumulation.

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- M nel is the emergency stop.
- Mixer start and stop with amber light when mixing.
- Temperature set point for the chamber on control panel.
- A digital display of temperature for the chamber is on the control panel.
- An off / on switch for the heaters for the chamber.
- Amp gauge for current draw observation.
- Control panel is accessible on front of cabinet.
- A Push/Pull Button is mounted above each chamber to open/close the pneumatic slide gate.

POWER AND SERVICE:

- The Mixer is powered by 3HP electric motor.
- The mixer requires 230 VAC, 60 HZ, 20 AMP circuit, Single Phase – 4 wire NEMA#L14-20
- The mixer requires compressed air of 3 SCFM @ 827 Kpa (120 psi minimum)

CABINETS:

- The cabinets are constructed of an attractive light gray steel cabinet with control panel on front for easy access.

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