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MPC's Laboratory Tumbler

Mineral Process Control's laboratory tumbler has been designed and built for simple and efficient operation.

The tumbler is offered in configurations for either three-phase or single-phase power. Power requirements are either 415VAC, 3-phase, 50Hz, 10A, suitable for a 0.37kw 3 phase motor or 240VAC 50HZ 10A suitable for a 0.37kw single phase motor.

Each tumbler has the capacity to hold 60 x 1 L jars. The 60 jars are held in place in 4 plastic tote trays each with a capacity of 15 jars. One set of jars and trays is supplied with the tumbler and additional Jars and trays sold separately.

Each side of the tumbler holds two such tote trays. The two tote trays are held in place by the locking arm, which is in turn secured by a small "R" clip.

The tumbler will only operate when the front door is closed.

Load the tumbler one side at a time. When the first side is loaded and secured, close the door and press the green start button and wait for the carousel to turn. Press and hold the yellow button (single phase version only) and the carousel will stop when it is in position to unload/load the other side.

Tumbling is often preferred to rolling bottle agitation for cyanide leaching because it is more active. This may allow for more efficient and faster leaching.