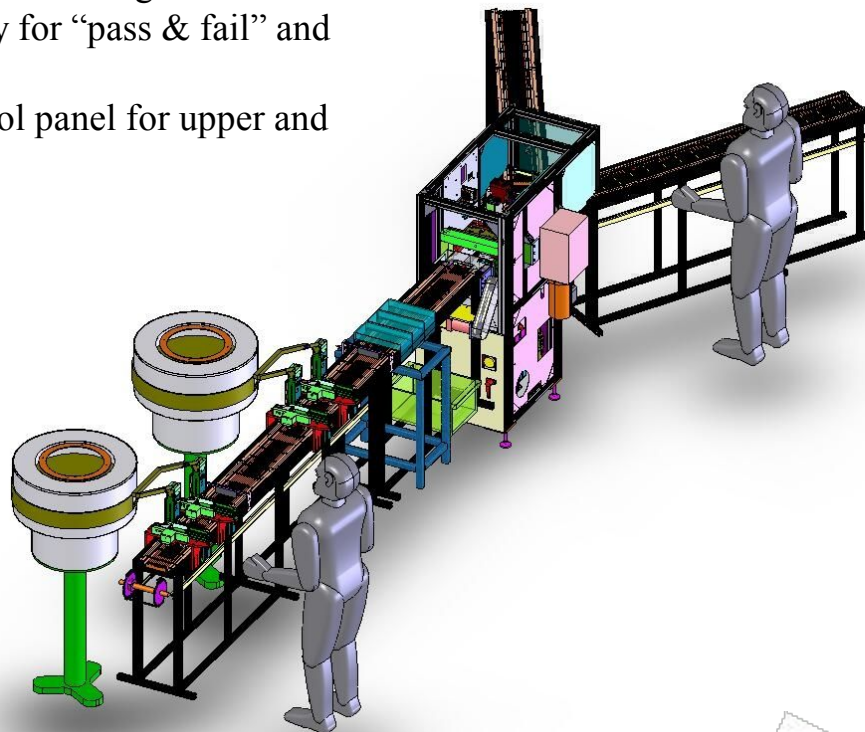


CWMM: Cartridge Weigh & Measure Machine

A fully automatic stand alone inspection system for measuring and weighing LIVE Cartridges before being packed

Features:

- 160 to 200 cartridges per min
- Automatic loading and unloading with inline reject station
- Vision assistance for final manual inspection
- Full form check tolerance: +/- 0.075mm
- Weight check tolerance: +/- 0.1g
- Full diagnostic history for “pass & fail” and process verification
- Global setting at control panel for upper and lower limits



Machine general specifications	
Cycle time per Cartridge	<0.3 seconds
Number of vibratory bowls	2 (each with 8 station)
Number of indexing tracks	10 track, each with continual process monitoring.
Indexing Speed position	200mm per sec. Positional 0.1mm
Number of pneumatic axis	22 with soft stop
Parts loading	4 x Dual track Vibratory bowl
Diagnostics	diagnostic “one cycle” run to check all sensors and actuators are functioning, with full error history

GETECH AUTOMATION PTE. LTD.

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CWMM: Cartridge Weigh & Measure Machine

A fully automatic stand alone inspection system for measuring and weighing LIVE Cartridges before being packed



The **CWMM** is a Cartridge Weighing & Measuring Machine is sub divided into 4 modules, with each module having its independent Pass/fail cartridge ejector. The modules include:

Cartridges feeder

A hopper fed vibratory bowl orientates and feeds the cartridges into 4 off gravity fed stacker; prior to being ejected out onto the 10 track indexing conveyor ready for inspection processes.

Full form, Height and full length check

Cartridges are indexed into an arrangement of precision gauges to check true form. LVDT sensors are used to obtain true length.

Inline Weight Check stations

Passed Cartridges are indexed over high precision load cells. Each cell is calibrated remotely

Manual inspection conveyor

Passed Cartridges are then transferred to one of two conveyors, where manual inspection is achieved with the assistance of camera

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