Bottle Inspection Machine

A fully automated bottle inspection and measurement machine, suitable for product batch and laboratory testing. A stand-alone machine with an open source integral control system, fully guarded and compliant to ensure safe operation. Designed and developed by Sewtec to ensure accurate and reliable product inspection and handling.
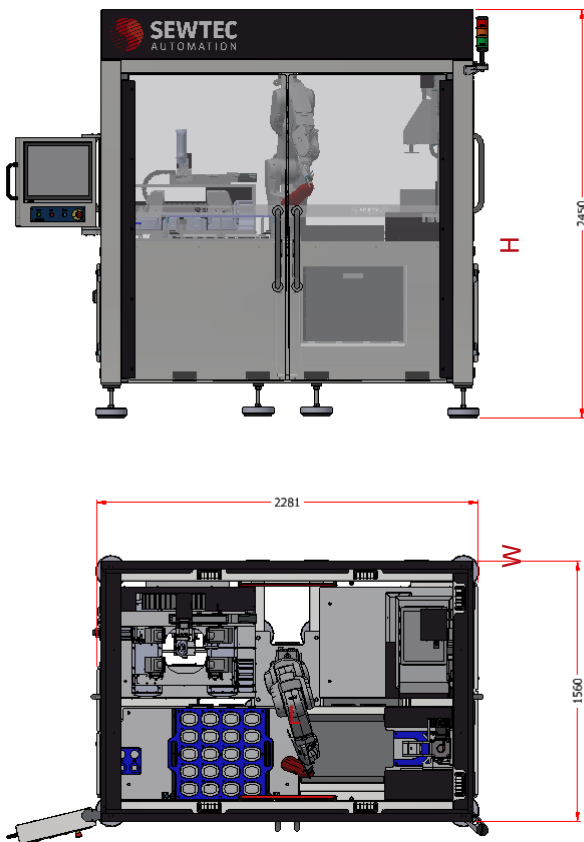
- High accuracy and repeatability based on Sewtec developed inspection system

- Compact footprint with integrated control system

- Open platform control system

Profile Inspection	Keyence TM-X 5000, accurate to +/- 2.4 micron
Wall Thickness	Keyence CL-3000 accurate to +/- 1 micron
Volumetric Test	Sewtec +/- 1ml
Top Load Test	Sewtec linear servo

Image represents Sewtec concept and for illustrative purposes

Better by Invention™

Options

- Remote access diagnostics

- Industry 4.0 compliant cloud based machine data monitoring

- Available in a wide range of control architectures

- Multiple product flow solutions available

- Multiple gripper types available depending on application

- Various product infeed and outfeed handling systems

- Multiple vision inspection parameters for differect size and type of bottles

- SPC data available for profile and thickness tests

Dimensions shown in table below. Layout may change on application

Technical Data

Machine dimensions	L 2281mm / W 1560mm
Throughput speed	1 bottle per minute depending on inspection criteria
Bottle size minimum	Approx 400ml, other bottle size options available
Bottle size maximum	Approx 1500ml ,other bottle size options available

Bottle Type	PET and PET pre form, other bottle types and materials options available
Load height	Approx 1200mm
Electrical	400V 50Hz Neutral. Other voltages may incur additional costs
Air supply	6 bar compressed. Constant feed pressure / flow rate
Control system	Beckhoff PLC and HMI with counters and scales in metric
Machine finish	Powder coat RAL9001 & RAL5011. Alternative RAL colours and stainless steel options available
CE	Machinery fully CE compliant