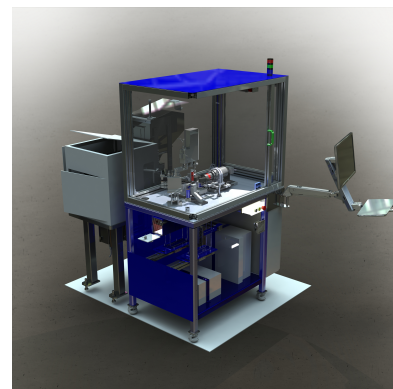


540° Plastic Filter Inspection

This 540° Plastic Filter Inspection, designed and developed by Integro Technologies, inspects plastic and mesh automotive filters to detect missing, broken, misshaped or flagging mesh, and plastic flash including dimensional analysis. Inspected parts are automatically sorted and collected in pass/fail bins.



TECHNICAL DATA

- Bowl-feeder transportation of parts to shuttle singulation at robotic pick station
- SCARA robot (x, y, z and full rotation) to pick then rotate part in front of line scan and 2D camera for inspection

FEATURES

- User interface that includes statistical data display of inspection results with part images and pass/fail criteria which allows for modification of tolerances
- 1.6 second cycle time

BENEFITS

- High-speed inspection and sortation with high accuracy
- Multiple defect types can be detected and identified to provide feedback for manufacturing process control and improvement