Presto Stantest Pvt. Ltd.

I-42, DLF Industrial Area Phase-1, Delhi Mathura Road, Faridabad 121003, Haryana, India
P : 9210 903 903, +91 129 4272727, 93111 24302   E : info@prestogroup.com

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42 YEARS
1983-2025
TIME TESTED TESTING INSTRUMENTS

Optical Vision Measurement System

One Click measurement
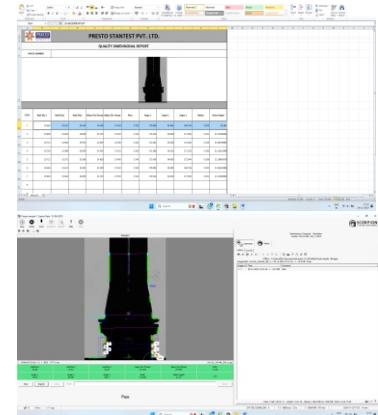
It is high speed, one click measurement system for part size and geometry inspection. This Automatic optical Inspection system offers speed, accuracy (**3 micron precision**) , operator-independent results and ease of use . It measure any kind of 2D geometry in parts with just one click. This ONE CLICK MEASUREMENT SYSTEM is cable of measuring points, lines, circles, angles, distances, pitch, positions, etc.

Features

· 　High-resolution industrial camera for accurate defect detection
· 　Automatic, optical, Non-contact, high-speed inspection process
· 　Detects visual, dimensional, and structural defects
· 　Automated pass/fail decision making
· 　Software based with real time analysis
· 　User-friendly interface with recipe management
· 　Data storage and report generation capability
· 　Compatible with laboratory and production environments
· 　Designed for versatile applications, making it suitable for wide range of components and industries

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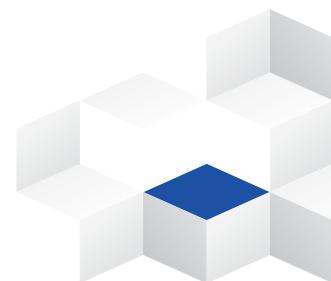
Measurments Point-

- Height
- Length
- Major Dia
- Minor Dia
- Angle
- Pitch
- Thread
- Radius
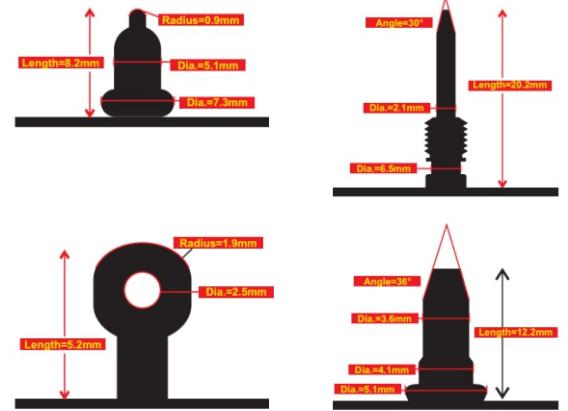
Specification

SN	PARAMETER	REMARK
1.	Field of View (Round)	ø 120 mm
2.	Depth of Field	45 mm
3.	Field of View (Rectangle)	42*62 mm
4.	No. of Camera	1 No.
5.	Camera	20 MP Industrial Camera
6.	Accuracy	±3+L/30µm
7.	Repeatability	±3µm
8.	Least Count	1 µm
9.	Power Supply	220 ± 10 VAC @50 Hz
10.	View	Side View
11.	Lens Type	Concave
11.	Interface	USB
12.	Batch Programming	Yes

Application

• Preform • Colour Preform • Screw • Bottle Neck • Rubber Seal

Operation Requirements: The software should allow user to interact with the machine, monitor its status, and make necessary adjustments.

Operational Features:

o **Start/inspect/Stop Operation**: Provide controls for starting, pausing, and stopping operations, including an emergency stop function.

o **Data Acquisition**: Automatically collect data from the Software instrument during operation and store it securely.

o **Performance Monitoring**: Monitor machine health, uptime, and performance, ensuring timely maintenance and minimizing downtime.

o **User Instructions and SOP**: Provide step-by-step guidance for operators and standard operating procedures (SOPs) for critical tasks.