

Profile Projector - Camera Based - (2D V.I.S)



Product Info :

Profile Projector, a 2 Dimensional Vision Inspection System is a revolutionary technology used in many industries and research labs for product quality inspection. It is an automated Defect Inspection System used to assess the structural quality of products like dimensions, thickness, edges, and design properties. It helps manufacturers in increasing efficiency and offer objectified and accurate quality control by automating the inspection process which was earlier commenced manually. Manufacturing and production units are always packed with time targeting work. They run by time to release maximum production and dispatch to warm more and more profits. In such a busy scenario what they miss out on a lot is quality inspection before dispatch or in between the production. The right process is to inspect the quality of raw material, the first release of production and also a final structural inspection of the

end product before dispatch to filter out the best for the customer. However, sometimes, the defects are missed by manual inspection, therefore it is important we need a high-end quality analyzer. With Profile Projector, the user gets a computer-based camera imaging technology that ensures that no defects are missed out during structural quality inspection to deliver the finest quality of end products. The 2D Vision inspection system is one of the most advanced and accurate inspection systems, used in leading industries to test the structural or physical defects in products. The machine can be utilized by a variety of fields such as packaging defect inspection, foreign element inspection, omission inspection, and product classification. It implements a multi-processing system that is used for performing complex inspections within a few minutes which makes the equipment ideal for high-speed production lines.

TECHNICAL DATA :

- Measurement System Used: Sipmeas Software
- Testing Platform Size & Travel Dimensions: 250 x 250 mm with Measuring Range / Travel of 100 X 100 mm
- Resolution: 0.001 / 0.0005 mm
- Linear Accuracy: (3+L/200µm)
- Vision Mechanism Used: 1/3" High-Resolution CCD Camera
- Magnification Technology: Optical Magnification of 0.7X to 4.5X
- Magnification Method Utilized: Cross-Hair On-Screen Technology
- Display Screen Dimensions: Standard 18.5" Monitor
- Illumination Surface: LED
- Operation Mechanism Used: Manual with Quick Release Knob
- Base Platform & Column Material: Metal Base
- Platform Load Capacity: 10 Kg
- Repeatability: ±2 Micron

FEATURES :

- One-click measurement for Point, Line, Arc, Circle, Distance, Angle etc
- Help evaluate graphics-based “Part View” construction error types that include Average Intersections, Tangent Line(s), Perpendicular/Parallel Line(s), Offset Skew Lines, Mid/Center Point(s), Shortest Distance, Gage Circle(s), End Point(s), Farthest Distance, Bolt Circle, and Angle Compliments.
- One can examine a wide range of Geometric Tolerancing like X/Y/Z Positional, Parallelism, Perpendicularity, True Position (LMC/MMC Modifiers), Theta (Angle), Angularity, Straightness, Form, Roundness, Concentricity, Runout and Diameter/Radius/Length/Width Size.
- Report data formats include Standard Report, Tolerance, CSV, and European
- Specifically designed for Multi-Touch software control.
- Available in both Horizontal or Vertical formats.
- Comes with an Advanced crosshair probe toolbox.

Our Valuable Customer



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