

VISION TESTING MACHINE

With (360° Rotating)



Complete 360° Inspection
Accurate. Intelligent. Reliable.



SYSTEM COMPONENTS



Precision motor

Provides precise rotation and controls the 360° movement.



21MP Camera

Provides high-resolution images for accurate inspection.



Vision Sensor

Provides images and detects defects with high accuracy.



Biometric Machine Knows its operator

Secure login and automatic operator identification.



Rotary rotation

Holds the product and rotates for multiple inspection.



Encoder for angle control

Rotates at and handles for precise positioning.



LED light

Provides bright and uniform illumination for accurate results.



HMI

User-friendly interface for control.



PLC:

Programmable Logic Controller for automatic control.



Vision software



INSPECTION SEQUENCE

01



Load Product

Place the part on rotary fixture.

02



Rotate 90°

Servo rotates the product.

03



Capture Images

Image captured at first angle.

04



Rotate 90°

Moves to next inspection angle.

05



Capture Images

Image captured at second angle.

06



Rotate 90°

Moves to final inspection angle.

07



Capture Images

Image captured at third angle.

08



Analyse

Vision software analyses the data.

09



Data Logging

Results are saved automatically.

10



Pass/Fail

OK or NG decision is displayed.



Safety Components



Safety Curtain 4



Safety relay



Emergency switch



ADVANTAGES OF 360° VISION INSPECTION



Accurate & Objective Measurement



Multiple Diagnostic Measurement in fraction of Seconds



Easy access to record



Speed & Efficiency



Multiple tests in one machine more accurate results



High accuracy



Time Saving



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