



ENGINEERING-FIRST AUTOMATION

# VISION STAND

Single-side or top-down inspection platform for reliable verification, measurement, and code capture.

The Vision Stand is a standalone platform for single-side or top-down inspection. It creates a controlled inspection zone for reliable verification, measurement, and data capture in production or audit workflows. Configuration depends on the application.

## AT A GLANCE

- Single inspection face (standard) for targeted checks
- Vision cameras, barcode readers, and supporting sensors (application-driven)
- PLC-controlled operation with industrial HMI + recipe support
- Upgrade path: expand into a Vision Tunnel as coverage needs grow

## VERIFY

- Presence / absence checks
- Print and label verification
- OCR and text validation

## MEASURE

- Dimensional checks
- Feature position and alignment checks
- Sampling inspection and quality audits

## READ

- Barcode and 2D code reading
- Code verification and string capture
- Workflow-ready pass/fail results

## LIGHTING & OPTICS

- Ring, bar, or diffuse lighting
- Fixed or recipe-based settings
- Optics selected for part geometry + finish

## CONTROLS & INTERFACES

- PLC-controlled operation
- Discrete I/O and fieldbus options
- Operator access levels (as scoped)

## DATA (OPTIONAL)

- Pass/fail logging with timestamps
- Optional image/code record storage
- CSV export or network/database handoff

## EXPANDABILITY & UPGRADE PATH

Start with a compact single-face inspection station and expand later. Additional inspection sides can be added over time or upgraded into a Vision Tunnel without replacing the entire platform.



# VISION STAND | CONFIGURATION

Configured per application • Supportable controls foundation • Built for industrial environments

## HOW IT WORKS

1

**Present** — Product is presented in a controlled inspection zone (inline, offline, sampling, or audit workflows).

2

**Acquire** — Cameras/readers/sensors capture the required view(s) with application-matched lighting.

3

**Evaluate** — Results are compared to acceptance criteria for verification, measurement, or code validation.

4

**Output** — Clear operator feedback plus pass/fail outputs and optional logging/reporting as scoped.

## INCLUDED

- Mechanical frame
- PLC controls and industrial HMI
- Electrical integration and wiring
- Supportable workflow behavior

## OPTIONAL

- Camera/reader package selection
- Lighting and optics package
- Traceability, reporting, and external data interfaces
- Fixture/presentation hardware (as required)
- Fieldbus/network integration (as required)

## PROJECT INPUTS (FOR SCOPING)

- Part/product photos and inspection requirements
- Acceptance criteria (what defines pass/fail)
- Throughput targets and presentation stability
- Space/layout constraints and integration points

SSI will recommend sensing, lighting, and integration scope based on the application.

**Next step: Talk to SSI about your application • Request a quote or schedule a viewing**