



**No More Human Errors!**  
Improve Your Plant's QCD Performance through Digitalized Work Records.

# Projection Assembly System

## Benefits

**Prevent Human Errors**

**Quality & Productivity Improvement**

**Knowledge Transfer from Experienced Workers**

**Reducing Training Time**

**"ZERO" Errors! Made Possible by Projector-Guided Instructions**

### Projector

Visualizing work areas and instructions through projection

### USB Camera

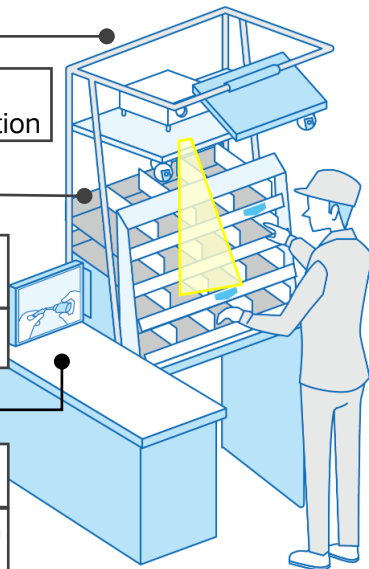
Image processing detects hand movement

Video recording of work

### PC

Storing work records and video data

External device and system integration



Guiding parts locations with light

Operators pick the instructed parts.

Step-by-Step video instructions

Attention Alert

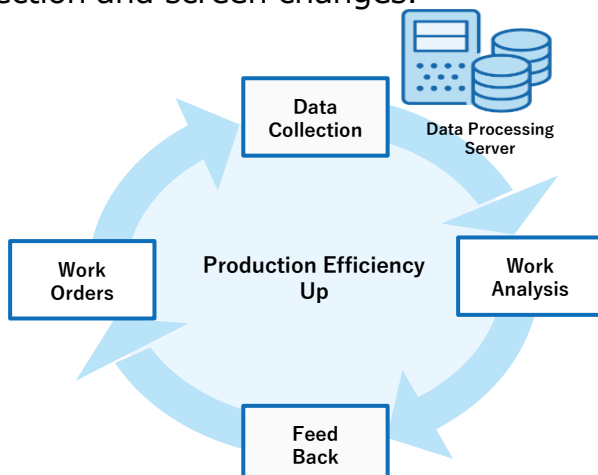
Operation manual



**Visualize on-site Status and Work Performance,  
Utilize Data and Improve the Workplace.**

## [Digitize Your Work Outcomes]

Automatically record manual tasks using hand detection and screen changes.



Use accumulated data to analyze operations and enhance on-site performance

## 1. Real-time System Operation Monitoring

Visualizes status and displays production quantities.



## 2. Display and Download Work Performance Records

Chart production numbers and durations to drive process improvements.



# Can be widely applied to meet various needs and on-site requirements.

Projection Assembly System enables you to create navigation which integrated with equipment and applications used on site. It is widely used in various scenarios, including part picking and assembly tasks, projecting work instructions onto workpieces, and inspection processes.

## 【Use Case: Parts Assembly】



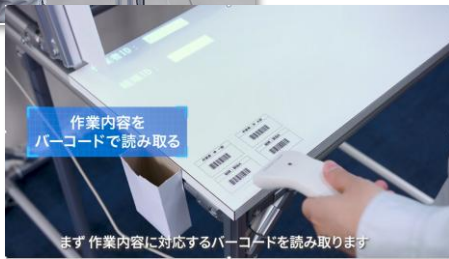
Following the work steps, the corresponding shelf lights up.

### 【More features】



Project screw-fastening procedures directly onto the product.

Quick quality checks by comparing images with reference samples.



Scan barcodes and retrieve task details.



Pick parts in order from the right shelves.



If you make a mistake in the procedure, a Red Light will turn on.

## Only 4 Steps to Set up Navigation! Customize it to Fit Your Work Environment.

### STEP1

Reference Image Capture



Adjust the camera angle while viewing the screen.

① Adjust the camera position and capture a reference image for recognition.

### STEP2

Display Position Setting



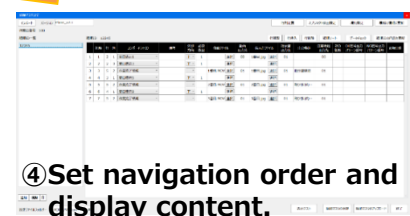
You can freely set hand detection zones. Easily verify with a recognition test.

③ Create hand recognition areas and link them to displayed content.

### STEP3

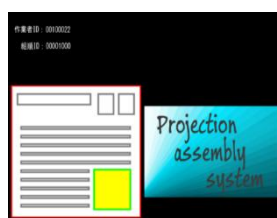
Recognition Area Setting

STEP4  
Assembly Process Setting

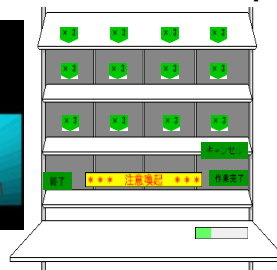


④ Set navigation order and display content.

Freely set the position and size of content



Monitor



Worktable

② Customize content and its location to suit your work environment

Navigation can be modified without programming. Flexible adaptation to design and process changes.

