

# DEEP UNIT-AI

The AI quality center for  
SACMI vision systems

**AI-POWERED QUALITY MANAGEMENT, MADE SIMPLE.**

DEEP UNITAI is SACMI's **centralized AI server** designed for **multiple vision system installations**.

It enables advanced AI quality management applications—such as **ClassyAI** and **GildaAI**—to operate centrally and manage quality data **across the entire plant**, delivering efficiency, scalability, and simplified system management.

*Note: DEEP UNIT-AI hosts and runs quality applications that complement CVS vision systems. Inspection and reject management remain handled directly by the CVS vision systems.*



## Advantages of DEEP UNIT

### One AI engine for the entire plant

- **Centralized quality intelligence**
- Manage AI-driven quality applications for multiple CVS vision systems from a single computing hub and operator workstation.
- **Lower hardware costs**
- Eliminates the need for dedicated GPUs on each inspection machine.
- **Simplified plant management**
- One system to maintain, update, and expand as new AI capabilities are introduced.
- **Scalable architecture**
- Easily supports multi-line production plants and future AI applications.
- **Available for SACMI Vision Systems running CVS version 25 or later**



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# AI applications

## CLASSY-AI

Automatic defect classification that turns anomalies into **actionable information**.

- Immediate analysis of reject root causes
- Smart quality statistics
- Accessible also to non-specialist operators

## GILDA-AI

A digital assistant that interacts with quality data.

- Explains alarms and anomalies in natural language
- Trend analysis and decision support
- Available 24/7 with fully protected customer know-how
- **NEW – Knowledge Chamber: customers can securely upload their own documentation to extend GILDA-AI knowledge on their machines and processes, while keeping proprietary technological know-how fully private**



## PANORAMA

The synoptic dashboard providing a **real-time, line-level view** of quality performance.

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### MAIN HARDWARE:

RAM: 128 GB

GPU: up to 2 professional NVIDIA GPUs

### AVAILABLE CONFIGURATIONS:

- DEEP UNIT Base – 1 GPU

Supports one AI application (Classy-AI or Gilda-AI)

- DEEP UNIT Pro – 2 GPUs

Simultaneous support for Classy-AI and Gilda-AI

### INSTALLATION

Minitower form factor, no peripherals included

Installation at the customer's office

Network connection to CVS vision systems

Optional: monitor, keyboard, and mouse

Suitable for installation in an air-conditioned cabinet

for industrial environments



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