

OX1 Vision Solution

OX1 from Oxipital AI is a powerful and easy-to-use inspection solution designed to provide high-speed, comprehensive visual inspection of variable objects in complex processing operations.

The OX1 has an IP69K rating and uses food-grade materials to enable optimization of complex manufacturing processes in the harshest of environments found in the food processing, agriculture, and consumer packaged goods industries — applications that have consistently challenged and often evaded existing vision-based inspection technologies.



Key Features



All-In-One Inspection Solution

The OX1 is designed to have an immediate impact, requiring neither software development nor machine learning expertise to deploy into production. User-friendly, web-based setup tools, and cloud dashboards take the mystery out of AI, leaving your business with the insights that you and your customers can act on right now.



100% Real-Time Inspection

Our AI-enabled vision solutions are engineered for seamless integration into existing production workflows, eliminating the need for upstream product manipulation and structured presentation to our cameras. The OX1 can inspect 100% of your product at the fastest production speeds.



Defect Detection and Mitigation

Detect, identify, and characterize defects at any production stage to optimize yield and operating margins, improve product quality, and reduce waste.



Deep Object Understanding

A “no-code” inspection rules editor, combined with pre-trained, deep object models result in the most capable, user-friendly vision solution available today for quality inspection. Customer-provided imagery and manual labeling not required.



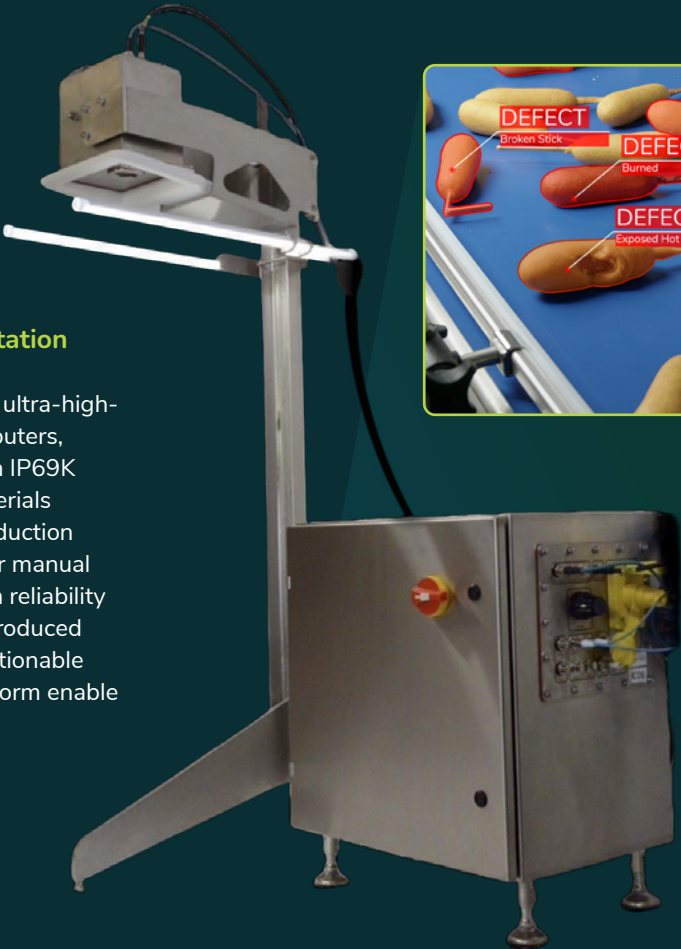
Live Monitoring

Real-time insights into production quality via Oxipital AI's cloud dashboard enable you to respond faster to production issues, minimize downtime, and improve your manufacturing KPIs.

Product Description

Visual AI Powered Inspection Station

The OX1 comes fully integrated with ultra-high-performance cameras, Edge-AI computers, and application-specific lighting in an IP69K package, made with food-grade materials and designed for the harshest of production environments. The OX1 can take over manual quality control tasks, performing high reliability defect detection on 100% of items produced at full production rates. Real-time, actionable insights from Oxipital AI's cloud platform enable you to supercharge your operation.



Product Description & Part Numbers

Smart P/N Config: [OX Model]-[STAND CONFIG]-[OPTION 1]-[OPTION 2]

Example: OX1-STC-HMI-SHD-LPS

PRODUCT	DESCRIPTION	(STA)	P/N
Visual AI Powered Inspection Station (OX1)	Station includes Integrated Camera/Light Stand ⁽¹⁾ with Perception Module and Processing and Control Cabinet	(STA)	700900
		(STB)	700905
		(STC)	700910
		(STD)	700915
		(STE)	700920
		(STF)	700925

Hardware Options

Human Machine Interface (HMI)	HMI	700790
Additional Lighting Package (LMD)	Additional Lighting Package	700791
Shroud (SHD)	Lighting Shroud	700792
Additional Perception Assy. (LPS)	Additional Perception Assembly w/ Stand, Perception Module (PMOD), and Lighting	700793

(1) Contact Oxipital AI to determine stand configuration.