

Mitsubishi Electric Factory Automation Systems Offers Smart Inspection to Businesses with MELSOFT VIXIO

Mitsubishi Electric continues to develop tailored solutions for businesses in an era defined by competition, rising costs, and environmental regulations brought about by Industry 4.0 and the global economy. With its new AI-based visual inspection software MELSOFT VIXIO, Mitsubishi Electric delivers significant improvements in data analysis and quality control processes, helping companies accelerate their digital transformation journeys and gain a competitive advantage.

At a time when digitalization is accelerating and Industry 4.0 is taking manufacturing to a new dimension, major opportunities are emerging for businesses. The widespread adoption of smart technologies across all areas of life, easier access to data, advanced data processing capabilities, and artificial intelligence applications are making it essential to integrate these innovations into production processes. Many manufacturers aiming to close labor gaps are increasingly automating their operations. Today, industrial companies are turning to machine vision technologies and AI-based visual inspection systems to enhance efficiency.

Mitsubishi Electric's smart technology-driven visual inspection software MELSOFT VIXIO enables users to benefit from AI solutions without requiring specialized expertise. By helping minimize defective outputs in production processes, the software supports companies in reducing waste generation. Rule-based and AI-driven, MELSOFT VIXIO operates with high precision to reduce potential failures and ensure uninterrupted operational processes. It offers a significant advantage, particularly in detecting defects such as scratches and uneven coloration.

With MELSOFT VIXIO, Mitsubishi Electric provides an ideal AI algorithm designed to meet the automation needs of factories. Operating at high speed and precision, this technology identifies anomalies in production processes, making visual inspection more accurate and user-friendly. Thanks to its dual inspection mechanism, it reduces the risk of defective products being overlooked while ensuring quality consistency among operators. In this way, Mitsubishi Electric helps further automate inspection processes and ease the workload of quality inspectors.