

Global Industrial Visual Inspection System Supply, Demand and Key Producers, 2023-2029

https://marketpublishers.com/r/G733246B8430EN.html

Date: October 2023

Pages: 130

Price: US\$ 4,480.00 (Single User License)

ID: G733246B8430EN

Abstracts

The global Industrial Visual Inspection System market size is expected to reach \$ 25920 million by 2029, rising at a market growth of 10.7% CAGR during the forecast period (2023-2029).

Industrial vision inspection systems help monitor work environments. It provides functions such as process control, robot guidance and automatic inspection in industrial applications. The increasing complexity of industrial production and manufacturing activities makes it difficult and increasingly unreliable for people to keenly detect, observe and inspect production activities. The technology is widely adopted in industrial operations and is significantly replacing manual inspection and measurement due to the increasing demand for efficient and reliable inspection and measurement. Vision inspection systems deploy smart cameras and image processing to perform measurements and inspections. The growing demand for advanced inspection and increasing automation are key influencing factors paving the way for significant adoption of machine vision technology. Additionally, the need for enhanced quality control from consumers and manufacturers, coupled with government regulations to comply with mandated specifications, is expected to drive the adoption of visual inspection technology. The technology is gaining considerable traction in food and packaging, automotive, pharmaceuticals, and other industrial verticals due to capabilities such as improved object detection, enhanced analytics, monitoring tolerances, and precise ingredient measurement, all of which are expected to grow in the forecast Drive market growth during the period.

Industrial visual inspection systems are used to automate manufacturing processes and production lines and are valuable for automating inspection and quality control processes. The use of these systems results in higher production yields, lower defect



rates, and the delivery of a consistently high-quality product, which is important for customer satisfaction and brand reputation. Beyond industrial manufacturing applications, IoT machine vision technology is being used in medical and dental applications to improve patient care. Medical robots equipped with imaging technology assist surgeons during procedures, IoT machine vision system is also helping to diagnose skin diseases, perform rapid and accurate complete blood counts, and identify tumors from optical analysis of x-rays and other medical imaging sources.

This report studies the global Industrial Visual Inspection System production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Industrial Visual Inspection System, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Industrial Visual Inspection System that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Industrial Visual Inspection System total production and demand, 2018-2029, (Units)

Global Industrial Visual Inspection System total production value, 2018-2029, (USD Million)

Global Industrial Visual Inspection System production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Industrial Visual Inspection System consumption by region & country, CAGR, 2018-2029 & (Units)

U.S. VS China: Industrial Visual Inspection System domestic production, consumption, key domestic manufacturers and share

Global Industrial Visual Inspection System production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Units)

Global Industrial Visual Inspection System production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Units)



Global Industrial Visual Inspection System production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units).

This reports profiles key players in the global Industrial Visual Inspection System market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Applied Vision, Cognex, Datalogic, Keyence, Texas Instruments, Imperx, FRAMOS, LMI Technologies and Ifm Group, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Industrial Visual Inspection System market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K USD/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Industrial Visual Inspection System Market, By Region:

United States	
China	
Europe	
Japan	
South Korea	
ASEAN	
India	

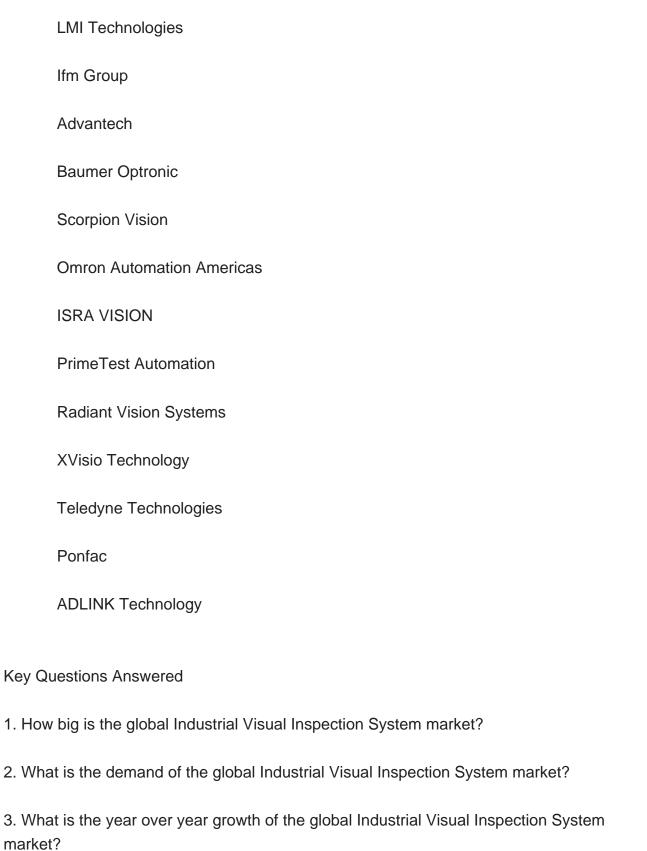


Rest of World

Global Industrial Visual Inspection System Market, Segmentation by Type	
Discrete Visual Inspection System	
Integrated Visual Inspection System	
Global Industrial Visual Inspection System Market, Segmentation by Application	
Aerospace	
Electronics and Semiconductors	
Auto Industry	
Medical Treatment	
Others	
Companies Profiled:	
Applied Vision	
Cognex	
Datalogic	
Keyence	
Texas Instruments	
Imperx	

FRAMOS





System market?

4. What is the production and production value of the global Industrial Visual Inspection



5. Who are the key producers in the global Industrial Visual Inspection System market?



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