

Global Surface Inspection Equipment Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Surface Inspection Equipment market size is expected to reach \$ 3903.6 million by 2029, rising at a market growth of 7.6% CAGR during the forecast period (2023-2029).

Global 5 largest manufacturers of Surface Inspection Equipment are AMETEK, Nordson, Vitronic GmbH, Omron and IMS Messsysteme GmbH, which make up over 32%. Among them, AMETEK is the leader with about 16% market share.

North America is the largest market, with a share about 40%, followed by Europe and Asia Pacific, with the share about 31% and 22%. In terms of product type, based on Image Processing occupies the largest share of the total market, about 58%. And in terms of application, the largest application is Chemical Materials, followed by Automotive.

Surface inspection equipment provides an automated approach to inspection for inclusions, foreign bodies, surface defects, cracks, fibres and missing materials across all industries.

Surface inspection equipment has a wide range of applications in the semiconductor industry and manufacturing.

In the manufacturing industry, surface inspection equipment is mainly used in several aspects:

Surface defect detection: In the manufacturing industry, surface inspection equipment is used to detect defects, scratches, cracks and other problems on the surface of

products. This helps to eliminate defective products and improve product quality and reliability.

Coating quality inspection: Surface inspection equipment is used to detect parameters such as coating uniformity, thickness, adhesion and quality. They can help ensure coating consistency and prevent problems caused by coating defects such as corrosion, reduced wear resistance, etc.

Surface cleanliness detection: Surface detection equipment can be used to detect surface cleanliness during the manufacturing process to ensure that there are no residual pollutants, grease, dust, etc. on the product surface, thereby ensuring product quality.

Part size measurement: In the manufacturing process, surface inspection equipment can be used to measure the size, flatness, roundness and other parameters of parts. This helps verify that the geometry of the part meets specification.

This report studies the global Surface Inspection Equipment production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Surface Inspection Equipment, 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 Surface Inspection Equipment that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Surface Inspection Equipment total production and demand, 2018-2029, (Unit)

Global Surface Inspection Equipment total production value, 2018-2029, (USD Million)

Global Surface Inspection Equipment production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Unit)

Global Surface Inspection Equipment consumption by region & country, CAGR, 2018-2029 & (Unit)

U.S. VS China: Surface Inspection Equipment domestic production, consumption, key

domestic manufacturers and share

Global Surface Inspection Equipment production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Unit)

Global Surface Inspection Equipment production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Unit)

Global Surface Inspection Equipment production by Application production, value, CAGR, 2018-2029, (USD Million) & (Unit).

This reports profiles key players in the global Surface Inspection Equipment 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 AMETEK, Nordson, Vitronic GmbH, Omron, IMS Messsysteme GmbH, ISRA VISION AG, Synergx, Perceptron and Inovision, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Surface Inspection Equipment market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Unit) 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 Surface Inspection Equipment Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Surface Inspection Equipment Market, Segmentation by Type

Based on Image Processing

Based on NDT

Global Surface Inspection Equipment Market, Segmentation by Application

Chemical Material

Automotive

Semiconductors and Electronics

Others

Companies Profiled:

AMETEK

Nordson

Vitronic GmbH

Omron

IMS Messsysteme GmbH

ISRA VISION AG

Synergx

Perceptron

Inovision

Dark Field Technologies

Hitachi High-Tech

Baumer Inspection

Icemi

AUTIS Engineering

Key Questions Answered

1. How big is the global Surface Inspection Equipment market?
2. What is the demand of the global Surface Inspection Equipment market?
3. What is the year over year growth of the global Surface Inspection Equipment market?
4. What is the production and production value of the global Surface Inspection Equipment market?
5. Who are the key producers in the global Surface Inspection Equipment market?
6. What are the growth factors driving the market demand?

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