

Global Automated X-ray Inspection Systems Production, Demand and Key Producers, 2022-2028

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Abstracts

X-ray inspection technology, commonly referred to as automated X-ray inspection (AXI), is a technique used to examine hidden features of target objects or products that use X-rays as a source. Generally, there are manual x-ray inspection and automated X-ray inspection, we only focus on the automated X-ray inspection (AXI) market.

In the SMT industry, Automated X-ray inspection, or AXI, is a technology that uses X-rays to examine the features of a printed circuit board, semiconductor package, or power modules that are hidden from view and therefore cannot be captured by automated optical inspection (AOI), which uses visible light as its source.

X-ray inspection is also widely used in lots of applications such as medical, industrial control, and aerospace for control the quality of board assemblies and to analyze defects of hidden solder joints. X-ray has a unique advantage that is materials absorb X-rays proportional to their atomic weight and all materials absorb the X-ray radiation differently depending on their density, atomic number and thickness. Generally speaking, materials made of heavier elements absorb more X-rays and are easily imaged, while materials made of lighter elements are more transparent to X-rays.

At present, AXI technology has been widely used in product detection in lithium battery, semiconductor, solar photovoltaic, integrated circuit, electronic manufacturing, PCB, LED, die casting and other industries.

This report studies the global Automated X-ray Inspection Systems production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Automated

X-ray Inspection Systems, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2021 as the base year. This report explores demand trends and competition, as well as details the characteristics of Automated X-ray Inspection Systems that contribute to its increasing demand across many markets.

The global Automated X-ray Inspection Systems market size is expected to reach \$ million by 2028, rising at a market growth of % CAGR during the forecast period (2022-2028).

Highlights and key features of the study

Global Automated X-ray Inspection Systems total production and demand, 2017-2028, (Units)

Global Automated X-ray Inspection Systems total production value, 2017-2028, (USD Million)

Global Automated X-ray Inspection Systems production by region & country, production, value, CAGR, 2017-2028, (USD Million) & (Units)

Global Automated X-ray Inspection Systems consumption by region & country, CAGR, 2017-2028 & (Units)

U.S. VS China: Automated X-ray Inspection Systems domestic production, consumption, key domestic manufacturers and share

Global Automated X-ray Inspection Systems production by manufacturer, production, price, value and market share 2017-2022, (USD Million) & (Units)

Global Automated X-ray Inspection Systems production by Type, production, value, CAGR, 2017-2028, (USD Million) & (Units)

Global Automated X-ray Inspection Systems production by Application production, value, CAGR, 2017-2028, (USD Million) & (Units)

This reports profiles key players in the global Automated X-ray Inspection Systems market based on the following parameters – headquarters, production locations, products portfolio, Automated X-ray Inspection Systems revenue, sales, average price and gross margin, recent developments.

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 Automated X-ray Inspection Systems market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2017-2028 by year with 2021 as the base year, 2022 as the estimate year, and 2028 as the forecast year.

Global Automated X-ray Inspection Systems Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Global Automated X-ray Inspection Systems Market, Segmentation by Type

2D AXI

3D AXI

Global Automated X-ray Inspection Systems Market, Segmentation by Application

PCB Industry

Integrated Circuits

Battery Industry

LED & Casting

Others

Companies Profiled:

ViTrox Corporation

Omron

Nordson

Viscom

NIKON

Innometry

Comet Yxlon

Unicomp Technology

Zhengye Technology

Waygate Technologies (Baker Hughes)

Test Research Inc. (TRI)

DC Precision

Saki Corporation

ZEISS

Techvalley

SEC

Seamark ZM

Goepel Electronic

Scienscope

Key Questions Answered

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

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