

Global AI-Powered Quality Inspection Systems Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global AI-Powered Quality Inspection Systems market size is expected to reach \$ 26707 million by 2032, rising at a market growth of 19.1% CAGR during the forecast period (2026-2032).

AI-Powered Quality Inspection Systems are advanced inspection solutions that use artificial intelligence (AI), machine vision, and data analytics to automatically detect defects, deviations, and quality issues in products or processes during manufacturing. Typically tens of thousands USD+ per line/system depending on specs.

This report studies the global AI-Powered Quality Inspection Systems demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for AI-Powered Quality Inspection Systems, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of AI-Powered Quality Inspection Systems that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global AI-Powered Quality Inspection Systems total market, 2021-2032, (USD Million)

Global AI-Powered Quality Inspection Systems total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: AI-Powered Quality Inspection Systems total market, key domestic companies, and share, (USD Million)

Global AI-Powered Quality Inspection Systems revenue by player, revenue and market

share 2021-2026, (USD Million)

Global AI-Powered Quality Inspection Systems total market by Type, CAGR, 2021-2032, (USD Million)

Global AI-Powered Quality Inspection Systems total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global AI-Powered Quality Inspection Systems market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Cognex Corporation (NASDAQ: CGNX, USA), Keyence Corporation (TYO: 6861, Japan), Siemens AG (ETR: SIE, Germany), Honeywell International Inc. (NASDAQ: HON, USA), Omron Corporation (TYO: 6645, Japan), Basler AG (ETR: B8F, Germany), Teledyne Technologies Incorporated (NYSE: TDY, USA), Datalogic S.p.A. (BIT: DAL, Italy), NVIDIA Corporation (NASDAQ: NVDA, USA), Intel Corporation (NASDAQ: INTC, USA), 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 AI-Powered Quality Inspection Systems market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global AI-Powered Quality Inspection Systems Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global AI-Powered Quality Inspection Systems Market, Segmentation by Type:

Machine Vision

Deep Learning Models

Pre-trained Models

Natural Language Processing

Global AI-Powered Quality Inspection Systems Market, Segmentation by Component:

Hardware

Software

Services

Global AI-Powered Quality Inspection Systems Market, Segmentation by Deployment Mode:

On-Premises

Cloud-Based

Hybrid

Global AI-Powered Quality Inspection Systems Market, Segmentation by Application:

Automotive & Parts Inspection

Electronics & Semiconductors

Pharmaceuticals

Packaging

Aerospace & Defense

Companies Profiled:

Cognex Corporation (NASDAQ: CGNX, USA)

Keyence Corporation (TYO: 6861, Japan)

Siemens AG (ETR: SIE, Germany)

Honeywell International Inc. (NASDAQ: HON, USA)

Omron Corporation (TYO: 6645, Japan)

Basler AG (ETR: B8F, Germany)

Teledyne Technologies Incorporated (NYSE: TDY, USA)

Datalogic S.p.A. (BIT: DAL, Italy)

NVIDIA Corporation (NASDAQ: NVDA, USA)

Intel Corporation (NASDAQ: INTC, USA)

Mech-Mind Robotics (Private, China)

Anhui KEYE Information Technology Co., Ltd. (Private, China)

Hangzhou DeepVision Technology Co., Ltd. (Private, China)

Foshan Jinghua Visual Technology Co., Ltd. (Private, China)

Shandong Hitec Intelligent Technology Co., Ltd. (Private, China)

Nanjing Jiashiwei Automation Technology Co., Ltd. (Private, China)

Key Questions Answered

1. How big is the global AI-Powered Quality Inspection Systems market?
2. What is the demand of the global AI-Powered Quality Inspection Systems market?
3. What is the year over year growth of the global AI-Powered Quality Inspection Systems market?
4. What is the total value of the global AI-Powered Quality Inspection Systems market?
5. Who are the Major Players in the global AI-Powered Quality Inspection Systems market?
6. What are the growth factors driving the market demand?

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