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# Global Automated Defect Detection for EV Components Market 2025 by Company, Regions, Type and Application, Forecast to 2031

https://marketpublishers.com/r/G3D061DF6858EN.html
Date: November 2025
Pages: 99
Price: US$ 3,480.00 (Single User License)
ID: G3D061DF6858EN

## Abstracts

According to our latest research, the global Automated Defect Detection for EV Components market size will reach USD 3490 million in 2031, growing at a CAGR of 16.0% over the analysis period.

Automatic defect detection for EV components refers to the use of computer vision, artificial intelligence (AI), machine learning (ML) and sensor technology to perform automated, high-precision quality inspection of core components of electric vehicles (such as batteries, motors, electronic control systems, charging ports, etc.), identify surface defects, structural abnormalities or functional failures, replace traditional manual inspection, and improve efficiency and accuracy.

This report is a detailed and comprehensive analysis for global Automated Defect Detection for EV Components market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

**Key Features:**

Global Automated Defect Detection for EV Components market size and forecasts, in consumption value ($ Million), 2020-2031

Global Automated Defect Detection for EV Components market size and forecasts by

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region and country, in consumption value ($ Million), 2020-2031

Global Automated Defect Detection for EV Components market size and forecasts, by Type and by Application, in consumption value ($ Million), 2020-2031

Global Automated Defect Detection for EV Components market shares of main players, in revenue ($ Million), 2020-2025

**The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Automated Defect Detection for EV Components

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Automated Defect Detection for EV Components 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 Isra Vision, Inovision, Grupo ?lava, Durr, Nikon, Sciemetric, Micro-Epsilon, Maddox AI, Intelgic, Midwest Engineered Systems, etc.

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

Market segmentation

Automated Defect Detection for EV Components market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

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Visual Inspection System

Laser Inspection System

Ultrasonic Inspection System

Others

Market segment by Application

Passenger Cars

Commercial Vehicles

Market segment by players, this report covers

Isra Vision

Inovision

Grupo ?lava

Durr

Nikon

Sciemetric

Micro-Epsilon

Maddox AI

Intelgic

Midwest Engineered Systems

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Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 13 chapters:**

Chapter 1, to describe Automated Defect Detection for EV Components product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Automated Defect Detection for EV Components, with revenue, gross margin, and global market share of Automated Defect Detection for EV Components from 2020 to 2025.

Chapter 3, the Automated Defect Detection for EV Components competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2020 to 2025.and Automated Defect Detection for EV Components market forecast, by regions, by Type and by Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Automated

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Defect Detection for EV Components.

Chapter 13, to describe Automated Defect Detection for EV Components research findings and conclusion.

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# Contents

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