

North America Surface Vision and Inspection Market By Component (Camera, Lighting Equipment, Optics, Hardware & Software and Frame Grabber) By Application (Electronics & Electrical, Automotive, Logistics & Postal Sorting, Food & Beverages, Medical and Others) By Country, Industry Analysis and Forecast, 2019 - 2025

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Abstracts

The North America Surface Vision and Inspection Market would witness market growth of 10.2% CAGR during the forecast period (2019-2025).

The surface vision and inspection market is expected to experience substantial growth owing to rapid technical advancements over the projected period. Growing consumer preferences and competition for better quality goods are driving development for different technology applications.

The equipment is gradually being provided with technologies that can conduct inspection automatically by means of advanced solutions. Such technologies include machine vision (MV) technology that assists manufacturers in optimizing production process performance, provides accurate inspection results, facilitates superior quality assurance, high productivity, as well as increases customer retention. Machine Vision is primarily being used by manufacturers for visual inspection, which includes repeatability of measurements, high speed, and high magnification. Technology is a preferable choice because of its ability to count objects, read serial numbers, and identify surface defects and errors. Some of the typical defects of the intermediate components are laps, direction marks, seams, scabs, steel, and twists.

The tools provide substantial reduction in wastage, improved product efficiency, reduced cost of production and feedback analysis processes that are useful for data analytics and AI applications. Stringent government regulations and the implementation of quality regulatory standards have also resulted in growing demand for these devices. Nevertheless, a lack of resources and a low rate of acceptance by medium-sized companies have hindered the surface vision and inspection market growth.

Based on Component, the market is segmented into Camera, Lighting Equipment, Optics, Hardware & Software and Frame Grabber. Based on Application, the market is segmented into Electronics & Electrical, Automotive, Logistics & Postal Sorting, Food & Beverages, Medical and Others. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include Ametek, Inc., Datalogic S.p.A. (Hydra S.p.A.), Basler AG, Omron Corporation, Baumer Holding AG, Teledyne Technologies, Inc. (Teledyne DALSA, Inc.), Sick AG, Keyence Corporation, FLIR Systems, Inc., Sony Corporation, Panasonic Corporation, ISRA Vision AG, Edmund Optics, Inc., and Industrial Vision Systems Ltd.

Scope of the Study

Market Segmentation:

By Component

Camera

Lighting Equipment

Optics

Hardware & Software

Frame Grabber

By Application

Electronics & Electrical

Automotive

Logistics & Postal Sorting

Food & Beverages

Medical

Others

By Country

US

Canada

Mexico

Rest of North America

Companies Profiled

Ametek, Inc.

Datalogic S.p.A. (Hydra S.p.A.)

Basler AG

Omron Corporation

Baumer Holding AG

Teledyne Technologies, Inc. (Teledyne DALSA, Inc.)

Sick AG

Keyence Corporation

FLIR Systems, Inc.

Sony Corporation

Panasonic Corporation

ISRA Vision AG

Edmund Optics, Inc.

Industrial Vision Systems Ltd.

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