

# Global Markets for Machine Vision Technologies

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## Abstracts

### Report Scope

This report covers the market for MV hardware and software, including smart cameras and smart sensors, image processing hardware, PC-based MV systems, MV lighting, cameras, and frame grabbers.

A variety of factors were considered in making the market forecast, including plant construction and upgrades, the rate at which new MV technology is being applied in new areas, the underlying economic growth of the overall market, and the growth rates reported by manufacturers and end users of MV products.

The report will look at the global market for the various components that comprise an MV system. These components have been undergoing constant upgrades in terms of sophistication, but also provide easier operation. In addition, the prices of these components continue to fall, so the MV industry has been characterized by improving price and performance ratios. This has made the market for MV components very competitive. This study will examine the nature of the competition and offer a regional breakdown of this market. In addition, this report covers the outlook of future global markets for MV systems and the technologies that will be involved. Starting with some basic industrial applications two decades ago in a few selected countries, the growth of this technology has allowed it to penetrate varied non-industrial fields, and the market has become global in nature.

Recent advances in MV technology have facilitated and accelerated varied applications for industrial as well as non-industrial use in the near future. This report investigates the present global and regional markets for these various applications and provides a realistic forecast of their growth.

The major objective of this report is to determine the worldwide market for MV systems and its growth potential over the next five years. It also highlights the various technologies involved and improvements in them. We also look at the structure of the industries involved in the research, development, design and manufacture of MV components and systems. Profiles of global manufacturers are provided along with a discussion of the global competition in this ever-expanding market. An analysis of patents issued to various companies for related technologies and processes is contained in this study. Forecasts take into account product and technology life cycles.

## Report Includes

115 data table and 17 additional tables

An in-depth analysis of the global market for machine vision technologies within the industry

Country specific data and analysis for United States, Canada, Mexico, France, Germany, U.K., China, Japan and so forth

Segmentation of the market by function, by component, technology type, end-user industry and geographical region

Information on impact analysis and discussion about opportunities with respect to technologies, components and end-user industries

An analysis of patents issued to various companies for related technologies and processes

Profiles of the major market players and an overview of their products and strategies, including Basler Vision Technologies, Cognex Corp., Keyence Corp., National Instruments Corp., Omron Corp., and Teledyne Technologies

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