3D Machine Vision Market by Component (Camera, Frame grabber, Software), Product (PC-based and Smart Camera-based) Application, Vertical (Automotive, Consumer Electronics, Postal & Logistics, ITS) and Geography - Global Forecast to 2020

Description:
This report provides a detailed analysis of the market based on component, product, application, vertical, and geography. The single-camera 3D machine systems in manufacturing applications are becoming popular due to resolution & accuracy improvements and easy calibration. 3D vision applications, in particular, are helping manufacturers to improve quality and prevent defects, achieve compliance with new traceability requirements, and increase productivity.

To estimate the size of the 3D machine vision market, we have considered top-down and bottom-up approaches. This entire research methodology includes the study of annual and financial reports of top players, presentations, press releases, journals, paid databases, and interviews with industry experts. All the percentage splits and segment breakdown of the market is based on secondary and primary research activities. The base year used for this study is 2014 and the forecast period is 2015 to 2020.

The study answers several questions for the target audiences, primarily which market segments to focus on in next two to five years for prioritizing the efforts and investments.

The Target Audience:
- 3D machine vision system designers and manufacturers
- Software providers
- Research organizations and consulting companies
- Associations, forums, and alliances related to 3D machine vision
- Investors
- Key players

Scope of the Report:
This research report categorizes the global market based on component, product, application, vertical, and region.

On the Basis of Component:
The global 3D machine vision market based on components has been segmented into cameras, frame grabbers, optics, LED lighting, software, and others. Cameras are further classified into imaging technology as laser, stereo vision, and structured light.

On the Basis of Product:
3D machine vision market on the basis of products has been segmented into PC-based machine vision systems and smart camera-based machine vision systems.

On the Basis of Application:
The 3D machine vision market has been segmented on the basis of application into quality assurance & inspection, positioning & guidance, measurement, and identification.

On the Basis of Vertical:
The 3D machine vision market has been segmented into industrial and non-industrial verticals. Industrial vertical is further segmented into automotive; semiconductor, ICs, and PCBs; consumer electronics; glass; metals; wood & paper; pharmaceuticals & medical devices; food & beverage; rubber & plastics; printing & publishing; solar panels; and machinery tools, while non-industrial vertical is segmented into healthcare;
security & surveillance; postal & logistics; intelligent transportation system; and military & defense.

On the Basis of Region:

The global 3D machine vision market has been split into four regions, namely North America, Europe, Asia-Pacific (APAC), and Rest of the World (RoW). The market in North America includes the U.S., Canada, and Mexico. The market in Europe includes the U.K., France, Germany, and others. The market in APAC includes China, Japan, South Korea, and Rest of APAC. Rest of the World (RoW) includes the Middle East, Africa, and South America.

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