The machine vision market has witnessed burgeoning demand with a growing number of applications in automotive, electronics & electrical, semiconductor, food & beverage, robotics, medical, and other manufacturing industries. The machine vision technology helps computers recognize objects with greater accuracy and reliability, and has replaced quality inspection performed by humans. Manufacturers employ machine vision to improve the traceability of their products to enhance consistency, productivity, and overall quality. This desire for quality is made clear by the preferences of consumers, who demand goods without defects or errors.

With IIoT or Industrie 4.0, smart machines, inventory systems, and production machinery will considerably improve industrial processes, driving use of more automation products such as machine vision systems.

Machine learning (ML) will revolutionize the role of machine vision in industrial automation and smart manufacturing. Integrating machine learning with machine vision drives operational efficiencies, accelerates inspection processes, and increases productivity in a manner that was not cost-effective to achieve in the past.

This report discusses strategies for both end users and suppliers in detail, so that each can leverage advancements in hardware, software, and service offerings.

For more information, please visit us at www.arcweb.com/market-studies/.

This report intends to serve as an effective planning guide for providers of machine vision products and solutions as well as purchasers. This report will help understanding the competition and market dynamics, such as:

- What industries and applications offer the greatest opportunity?
- What role will IIoT and digitization have in market growth?
- How will emerging markets impact the total market?

**RESEARCH FORMATS**

This ARC research is available in the form of a Market Intelligence Workbook (Excel); and/or a Market Analysis Report (PDF) with or without detailed charts.