Certified Vision Professionals

LEONI has a reputation for being at the forefront of Machine Vision technology. As part of this, LEONI employs engineers that have been certified at the Advanced Level by the AIA (Automated Imaging Association)

The topics of this level were: Advanced Color Theory & Applications, 3D Vision System Development, Designing High-Speed & Linescan Vision, Advanced Lighting, Advanced Optics, Metrology, Particle Analysis & Classification Techniques, Advanced Vision Guided Robotics, and Advanced Camera & Image Sensor Technologies.

For more information
regarding the AIA Certification, visit
www.visiononline.org

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Machine Vision Systems
Industrial Solutions

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The Quality Connection

LEONI

The vision experts

Applications

Vision Platforms

LEONI is dedicated to staying on top of the latest technology in this rapidly expanding industry. We frequently work with many of the industry standard platforms including but not limited to:

SCORPION VISION SOFTWARE®

ether CAT inspect

MATROX IMAGING

cevf

FANUC Robotics

MICROSCAN.

COGNEX CVI CERTIFIED VISION INTEGRATOR

DALSA

sensor control

SICK Sensor Intelligence.

The Vision Solutions group specializes in machine vision systems for industrial applications. We strongly believe in performing front-end analysis to build a well-informed foundation. This way we can tailor the right level of assessment and provide a customized solution for you. Whether your application requires one camera or multiple cameras, PC-based or smart camera, an infra-red line light or a defused blue light, we have you covered.

Our knowledgeable staff of vision experts specializes in turn-key solutions for the following application types:

- **Robot Guidance:**
  Positioning of the robot using a vision-based solution
  → Reduction of hard tooling and labor costs

- **Defect Detection:**
  Inspection of the surface quality of an object (i.e. cracks, porosity, voids, etc.)
  → Improvement of quality and reduction of scrap

- **Assembly Verification:**
  Verifying the presence of objects within a given area
  → Verification of manual or machine assembly

- **Auto ID:**
  Identifying the correct part is present and tracking the item through the assembly process (e.g. Optical Character Recognition (OCR), Datamatrix, 1D Barcode, etc.)
  → Full scale traceability of manufacturing/assembly process