ATS Vision Systems

Machine Vision Services:
/ Optics
/ Lighting
/ Software Design
/ Integration

ATS Imaging
ATS has developed thousands of machine vision applications. We have the knowledge to tackle even the most difficult inspection requirements. In addition, through 30 years of machine vision experience, ATS has developed vision technology that is easy to use and high performing:

- Multi-camera presence/absence
- Nuclear “thumbtack” alignment
- Cannula inspection
- Medical device inspection
- Solar cell inspection

### Market Segments

ATS Imaging provides solutions in automation, integration, products and services in the following market segments:

- Automotive
- Electronics
- Life Sciences
- Medical devices
- Pharmaceutical
- Chemical
- Consumer products
- Solar energy
- Nuclear energy
- Packaging
- Food
- Test systems

### Capabilities

Extensive capability to prototype, design, integrate and install complex machine vision systems:

- High processing speeds
- Highly accurate sub-micron inspections
- 3-D positioning for robotic applications
- Infrared or Ultraviolet lighting
- Vision guided motion systems
- Multiple camera system
- Systems in radioactive environments
- Area scan & line scan systems
- High resolution inspection

### Services and Support

ATS Imaging’s proven turnkey solutions ensure real and lasting results through the use of:

- Concept reviews
- Feasibility studies
- Proof-of-principle studies
- Detailed optical and lighting designs
- Vision design specifications
- Support services
ATS Vision Key Products

The **ATS Cortex™** vision controller is a state-of-the-art platform, with integrated lighting, camera, I/O and PLC interfaces.

It is equipped with **ATS SmartVision™** software which results in ease of use with high machine vision performance.

The **ATS SmartVision™ M+** process combines a person’s innate ability to process and interpret visual information with a vision system’s data management.

ATS has mastered automation across diverse industries and processes. The vast experience and resources gained from being a world leader in automated solutions for manufacturing directly benefits every customer’s project.