

Automation Engineer

Location: Oceanside, CA

Company: Tensor Vision Corporation

Employment Type: Full-Time, Onsite

Salary: \$108,430 per year

About Tensor Vision Corporation

Tensor Vision Corporation (Tensor ID) designs and delivers advanced industrial automation and machine vision solutions for manufacturing environments across industries including food & beverage, medical device, pharmaceutical, and consumer goods. We integrate cutting-edge inspection, robotics, and control technologies to help customers improve quality, efficiency, and compliance.

Position Summary

Tensor Vision Corporation is seeking an **Automation Engineer** to work onsite at our Oceanside, California facility. This role focuses on the design, integration, programming, installation, and support of industrial automation and machine vision inspection systems for manufacturing and packaging applications.

Key Responsibilities

- Optimize, control, and support industrial automation and machine vision inspection processes using SCADA systems for manufacturing and packaging lines.
- Model and design mechanical and electrical system components using CAD software, including:
 - Control panels
 - Sensor and camera mounts
 - Robotic end-of-arm tooling
 - Conveyor modifications for system integration
- Design, program, test, and debug control and inspection solutions using:
 - PLC and robot programming environments

- Machine vision platforms such as Sherlock, Aurora Vision Studio, Matrox Design Assistant, VisionScape, TMFlow, AutoVision, Inspect
 - Control software including Sysmac Studio, RSLogix / Studio 5000, Connected Components Workbench (CCW)
 - High-level programming languages including C#, C++, Python, and Visual Basic
 - Install, commission, and support new and existing Tensor ID systems at the Oceanside facility and at customer sites.
 - Perform preventive and corrective maintenance on automation and vision systems.
 - Provide customer training and technical support before and after system installation.
 - Participate in projects involving UV and infrared technologies, parallel robot applications, power systems design, circuitry design, and advanced inspection technologies.
 - Receive training from suppliers to stay current with emerging automation and vision technologies.
 - Work hands-on in the lab integrating PLCs, robots/cobots, servo drives, pneumatic systems, and industrial communication protocols such as Modbus, Ethernet/IP, and serial communications.
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Requirements

- **Master's degree in Industrial Engineering**
- Demonstrated proficiency with:
 - C++ / .NET
 - Visual Studio
 - SQL
 - Python
 - JavaScript and HTML
- Strong knowledge of:

- Signal processing
- Image processing and image analysis
- Numerical analysis
- Computer vision

Compensation

- **Salary:** \$108,430 per year
- Competitive compensation aligned with experience and qualifications

How to Apply

Interested candidates should send resumes to:

Alan Eddy

Chief Technology Officer
Tensor Vision Corporation
3644 Ocean Ranch Blvd.
Oceanside, CA 92056



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Legal Notice

This position is