

TAYLOR DORRIS

Personal info

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Certifications

Automation Technician (In Process)

RCII Flex for Yushin Robots

Lean Systems White Belt

MiniTab for Medical Device

Paulson Injection Molding Fundamentals

Skills

Design/Assembly in Solidworks

Creative Problem Solving

Project Management

Equipment Validation

Troubleshooting Automation

Sensor and Vision System Integration

PLC and Robot Programming



Professional Summary

Manufacturing and automation engineer with 4+ years of experience designing/integrating automation systems and performing equipment and assembly validations. Looking to leverage my wealth of knowledge and experience to help your organization reduce manufacturing costs and achieve its goals.



Employment History

Automation Engineer, Freudenberg Medical. Baldwin Park, CA

Jan. 2017 – Present

- Implement automation systems to reduce manufacturing costs and improve product quality. Ability to integrate pneumatic controls, sensors, and vision systems.
- Recently designed and implemented systems for automatic in-process inspection and secondary operations saving over \$100,000 in manufacturing costs for 2020.
- Design and install end-of-arm tooling for injection molding machines, and create robot program.
- Perform medical automation integration, validation and commissioning activities, including IQ/OQ/PQ, writing of work instructions, and all necessary documentation.
- Supply engineering support for safety initiatives, lean/continuous improvement initiatives, and quality initiatives.

Associate Engineer, Freudenberg Medical. Baldwin Park, CA

Aug. 2015 – Jan. 2017

- Draft and issue all necessary validation documents for equipment and assembly processes, including protocols and reports (IQ/OQ/PQ), Quality Assurance Specifications, Work Instructions, Deviations, Process Sheets, etc.
- Perform process development and design of experiment (DOE) for new manufacturing processes.
- Analyze validation visual and dimensional inspection data: Gage R&R, DOE, statistical analysis in MiniTab.
- Implement manufacturing processes for secondary operations, including degating, deflashing, laser marking, pad printing, and packaging.
- Provide customer service regarding projects, including project timeline updates, project status, and project progress.



Education

Oregon Institute of Technology, Wilsonville, OR

Bachelor of Science, Mechanical Engineering, Present

Pasadena City College, Pasadena, CA

Associate of Science, Engineering - Transfer, Feb. 2020