

SKILLS

HTML, CSS, Javascript, ReactJS, NodeJs, MongoDB, Git, CAD, PDM/PLM, ERP, MRP, CAM, ISO 9001, ISO 13485

EXPERIENCE

MDC Vacuum Products, Austin, TX - *Estimating Manager*

September 2020 - October 2021

- Developed and tracked quoting KPIs for gas delivery and vacuum products quoting groups.
 - Improved RPM/RTM on time quote percentage by 83% through revision to quoting worksheet and procedures.
 - Automated RPM quote log to reduce effort for estimators. Reduced quoting data entry time by ~4 minutes/quote.
- Worked with purchasing and planning departments to improve lead time and reduce product cost.
- Assisted sales department to meet target pricing on key business opportunities.
- Provided inside sales support for special projects, including DFx input for chambers, ultra-high purity gas lines, and weldments.

Reese Engineering, Santa Barbara, CA - *Manufacturing Engineer*

November 2019 - September 2020

- Provided design, programming, and machining support utilizing Solidworks, Surfcam, and HAAS CNC Mill for prototype and production goods
- Designed and fabricated shop fixtures, storage shelves, trailer components and brackets, etc.

MDC Vacuum Products, Hayward, CA - *Engineering Manager*

January 2018 - February 2019

- Collaborated with planning, manufacturing, and quality departments to improve facility OTD.
 - Determined key improvement areas through use of Six-Sigma techniques.
 - Developed procedures for manufacturing document creation to meet engineering KPI.
 - Contributed to daily GEMBA walks to monitor all department KPIs. Advised process improvements for other departments.
- Supported marketing and sales department in contract and quote review to determine new project feasibility.
 - Visited key accounts to discuss project requirements.
 - Formed daily review meetings to monitor quote log KPI.
- Aided sourcing team with new supplier integration through supplier site visits and review of capability.
- Provided engineering input for MRB team to disposition non-conforming product.
- Trained domestic engineering staff on European drawing practices and change control for design support.

MDC Vacuum Products, Hayward, CA - *Mechanical Engineer*

June 2016 - December 2017

- Design of custom vacuum chambers, fittings, and frames, with emphasis placed on DFM/A.
- Sole Solidworks PDM (Product Data Management) administrator for 2 engineering sites consisting of 10+ users.
 - Revised engineering procedures and configured PDM system to capture engineering development, changes, and approvals.
 - Reviewed, revised, and imported 500+ engineering models and 2000+ drawings for use in design and production
 - Coordinated setup of CAD servers to allow alternate site users to access CAD files quickly.
 - Created engineering drawing templates for 2 divisions, utilizing ANSI and ISO standards. Objectives were consistent formatting, ease of use for engineers, and production comprehension.
 - Assisted UK division with remote design support and integration of legacy vault into PDM vault. Established vault for 5 users at UK facility, performing all configuration, user setup, and troubleshooting.

EDUCATION

University of California, Santa Barbara, USA - *Bachelor's of Science, Biology*

September 2008 - December 2013