

Grant Colvin

Production Manager

Fort Collins, CO 80525
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- Building, repairing, troubleshooting, and testing complex automation equipment for manufacturing
- Strong mechanical aptitude for devising and fabricating mechanical/electro-mechanical assemblies
- Mechanical CADD design (Solid Works) (AutoCad)
- Wiring electrical panels & automated machinery
- Installing electrical and pneumatic systems and plumbing on automated machinery
- Working within tight tolerances and specific details
- Precision machining on CNC & manual mills & Lathes
- Metrology: use of precision measuring tools.

WORK EXPERIENCE

Production Manager

Architectural Sheet Metal & Panels - Fort Collins, CO - 2010-01 - 2017-06

970) 484-1174

Manage production of sheet metal roofing parts and oversee all shop operations: Schedule work orders, create procedures and programs for bending complex parts out of one piece of metal. Produce accurate, high-quality parts in a timely manor, always starting and completing work orders as soon as possible, often working well over 8 hours a day to do so. Brought CADD capability to ASM, along with my 16 years of CADD experience. Documented, using CAD software, production procedures creating work-instructions for complex sheet metal parts, collector heads, curved soffit, one piece W-valley, and metal ridge cap. Keep sheet metal racks organized and accessible in the confines of a small warehouse while flat-sheet stock increases. Reorganized finished part storage area to allow a much higher quantity of finished parts to be stored in-house before they are picked up by customers.

Engineering Technician

Daytona Systems - Daytona Beach, FL - 2006-06 - 2009-11

386) 274-1550

Perform CAD design and drafting of automated machines using SolidWorks 2006 and AutoCAD 2006. Perform hands-on R&D, fabrication, assembly, and debugging of automated machines. Perform miscellaneous machining tasks as required. Setup machine shop in main shop area.

CAD Designer/Drafter

Woodward Industrial Controls - Fort Collins, CO - 2003-10 - 2006-05

970) 484-4528

Process E/C (Engineering Change) requests: Issue E/Cs. Revise engineering drawings in AutoCAD 2004, Solid Works 2001Plus, ME10, Solid Designer. Revise BOM's (Bill Of Materials) in Woodward PDM system. Analyze long standing E/CRs to determine need for completion or rejection. Perform graphic design of various types of labels and nameplates used on Woodward products. Create artwork for silkscreens for various Woodward products.

CAD Design & Packaging Specialist

Waterpik Technologies - Fort Collins, CO - 2000-12 - 2003-09

970) 484-1352

Design new packaging for Waterpik products. Revise existing packaging design to resolve issues or accommodate changes in product or display needs. Performed graphic design of various labels used on Waterpik product packaging and documentation. Completed project to consolidate packaging of oral irrigator accessories Reduced cost & inventory. Completed project to eliminate Styrofoam in international end of faucet SKUs. Reduced cost & inventory space. Met international customer requirements.

Create, maintain, and modify existing documentation of packaging for Waterpik Products using AutoCAD 2000, Solid Works, Pro Engineer, and Tops Pro. Issue and coordinate PCOs (Packaging Change Order) related to CAD changes. Perform feasibility analyses to consolidate and reduce cost of packaging. Implement product wide cost reducing packaging changes. Create AutoCAD drawings of legacy Pro Engineer and board drawings. Create assembly/work instructions & quality process sheets using digital Photography and photograph manipulation.

CAD Group Manager

Michael Pape & Associates - Ocala, FL - 1999 - 2000

352) 351-3500

Created base plans for use in landscape and irrigation plans. Created AutoCAD symbols library. Reduced drawing time, labor cost, and project completion time. Managed CADD group and workstations. Implemented new workstations and maintained network. Derived and implemented procedures and standards for all CADD related operations.

Engineering/Tooling Technician

Hewlett Packard - Greeley, CO - 1997 - 1999

Design, manufacturing, calibration and testing of prototype tooling used in the manufacture and testing of scanners. Design of tooling using Hewlett Packard's Solid Designer solid modeling software. Conceived and designed precision scanner target cutting jig - reduced cutting time, increased productivity, increased accuracy. Assisted in creating and maintaining producing documentation on tooling using Hewlett Packard's Solid Designer CADD software. Machined parts as necessary for prototype tooling. Performed electrical & mechanical assembly and tool qualification tests of prototype tooling. Precision cut, assembled, and tested final-test targets for scanners. Performed rework on printed circuit boards of scanners as needed. I was given two significant pay increases, Solid Designer training, and more responsibility on tooling improvement and cost reduction projects.

EDUCATION

Computer Information Systems and Business

Aims Community College - Greeley, CO

1990 - 1991