### Dan Jewell

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##### Manufacturing Design Engineer

Seasoned, highly skilled and trained engineering professional with more than 20 years of experience in multiple capacities within manufacturing environments.

# Areas of Expertise

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| * Design Engineering * Replacement Parts * Assembly Machinery Testing * 5S Methodologies | * Troubleshooting/Repairs * Team Management/Training * Workflow Designs * Creative Problem Resolution | * Trax SMX-CNC Control * Allen Brady PLC/SV Research * SolidWorks/CamWorks/Gcode * Microsoft Office Suite |

# Professional Experience

**R&D Machinist; Lead Cell Mechanic |** West Pharmaceutical, Clearwater, FL 5/2009 to 2/2016

Reporting to the Engineer Design team employed more than 20 years of comprehensive experience to assist with testing assembly machinery, and design/develop jigs and fixtures Contributed to increased workflows and product quality while simultaneously reducing damage. Served as a focal point for other departments concerning work orders. Researched and recommended new machinery and software purchases. Used an advanced knowledge of 5S methods to organize the shop. Assembled mechanical components using advanced blueprint reading skills and when needed, created blueprints. Manufactured replacement parts and repaired assembly machines, safely using CNC, mills, lathes, grinders, EDMs, and CMM. Designed machinery using SolidWorks; programmed CNC utilizing CamWorks. Trained new-hire employees.

Maintained/repaired high-speed assembly and printing production machinery. Used SV Research Vision Systems to develop vision programs; extensively used Allen Bradley PLCs and Keyence Laser Optic Sensors.

* Successfully increased area production rates from 69% to 84% as a Lead Cell Mechanic.
* Awarded by the company with a monetary award and positive additions to employee file for designing cost saving parts and for implementing unique, cutting-edge machine workflow designs.
* Certified with, and tasked with training others in, SolidWorks and CamWorks.

**Product Specialist |** Layton Truck Equipment, Colorado Springs, CO 11/2003 to 5/2005

Applied dedicated work ethics toward improving Quality Control and the cleanliness of projects to significantly increase profits. Ensured superior levels of customer satisfaction through oral and written communications. Manufactured specially-ordered trucks for Union Pacific Railroad.

* Maintained accurate work orders and data records.
* Followed complex electrical/hydraulic schematics for utility cranes, welders, and tool circuit hydraulics; performed setup tests on the railroad tracks.

**Shop Foreman |** M&M, Inc., Colorado Springs, CO 4/1998 to 5/2009

Supervised a team of six technicians. Significantly increased shop production/sales over 45% by implementing LEAN project management; improved performance, safety, and quality control using well-informed leadership and team-building strategies. Tasked with machining prototyped parts, welding, forging, and hydraulics; diagnosed/repaired electrical/mechanical equipment; manufactured and fabricated equipment attachments.

* Addressed facility and machinery maintenance issues.
* Picked up/delivered parts, performed computer maintenance, and provided web support for the front desk.

*Additional experience as* ***Field Service Tech*** *with Roll-A-Shield, Corp; as a* ***Field Technician*** *with A&B Telephones; Achieved multiple US Patent Pending designs including for the manufacture of an electronic circuit monitor device, and for an anti-theft/anti-car jack circuit* *as the* ***Owner/Operator*** *of DZ D-zigns, LLC.*

# Education & Certificates

**Coursework in Business Management, Machinery, and Theory |** Pike Peak Community College

**Certified**:SolidWorks 2015 | CamWorks 2015 | Soldering: J-STD-002 |

Wire Harness: IPC/WHMA-A-620

**Tools/Skills:** Blueprints/Schematics | Soldering/Electrical | Circuit Boards | PLC Logix Pro | Machining/Fabrication | ProtoTrak, CNC Mill | Manual Mill, Lathe | FARO Gage CNM | Sodick CNC Edm | ID OD Grinder | Hydraulic/Pneumatic | Moulding/Foundry