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Summary of experience:

- Seasoned long term experience in precision CNC and conventional machine shop; scientific, aerospace/aircraft and commercial work.
- 30 years leadership experience including frontline supervision and management positions.
- Scope of Experience: Tool & die making, jig & fixture design & fabrication, research/prototype machining, product research & development, engineering drawings and documentation, long & short run production.
- Equipment: CNC Lathe up to 4 axis mill-turn with live tooling and CNC mill up to 4 axis simultaneous, Fanuc, Mitsubishi. Mori-Seiki, OKK, Mazak, Hitachi-Seiki. Engine lathes, VTL's, chuckers, micro precision lathes, horizontal boring mills, jig borers, surface grinders, tool & cutter grinders, cylindrical ID/OD grinders, honing/lapping, and blanchard grinders.
- CNC programming software: Mastercam, Autodesk Powermill, Power Shape, AutoCAD and Rapid Output G- Zero for production of part and assembly drawings and base geometry files for modeling and programming.
- Work with all materials including exotics such as Titanium, Nickel, High Temp Stainless Steel and High Alloy Steels. Plastics of many types.
- Trained in the application of statistical process control and statistical process analysis for production engineering and process improvement.
- Experienced in design for manufacturing collaboration with product engineering teams.
- Experienced trainer. Trained as a trainer. I love to teach.
- Past employment includes Douglas Aircraft, Learjet Research, American Racing Custom Wheels along with many smaller job shops in which I gained a broad scope of machinist and management experiences.

Recent Work History

6/2015 – Present Nexikon, Inc. Calhoun, Georgia

Machine Shop Supervisor and Programmer

- CNC and conventional Job Shop specializing in molds and associated tooling for the crumb rubber mat industry, and general CNC machining of commercial and scientific metal and plastic components.
- Estimating and quoting, job planning, programming, training and supervision of all machinists. Mill-turn Mori-Seiki lathes with bar feeders, OKK 4 axis bed and bridge mills.
- High speed machining, hard milling and turning.
- Process optimization of repeat and long running production. Reverse engineering of existing parts and assemblies for various customers.
- Custom design and fabrication for factory machinery modifications.
- Development of standards for and documentation of programming data, storage/retrieval of programs and set-up data, for existing and new machining items.
- Software: Auto Desk AutoCAD, Power Mill and Power Shape, and Rapid Output G-Zero.

9/2014 – 5/2015 SML Engineering, Inc. Santa Ana, CA

CNC Milling Supervisor and Programmer

- CNC Aerospace Manufacturer of components and small assemblies.
- Small quantities of 5 to 100 pcs. High complexity and precision with geometric work holding challenges.
- 4 axis vertical and horizontal machines.
- Programming with Mastercam.
- Guide owner during quoting to determine processing steps and tooling requirements and cycle time estimates etc.
- Design all processes and fixturing required for new part numbers and provide programming to CNC mills.
- Provide part processing programming with detailed set-up sheets and instructions for set-up and operate personnel.
- Optimize existing part programming, fixtures and tooling to correct quality and productivity issues.
- Review of processes in CNC Lathe and Q.A. departments to assure downstream processing in house and with outside vendors is going to produce quality results.

7/2013 – 9/2014 Kempton Machine Works Brea, CA

General and CNC Machinist

- CNC and conventional job shop.
- Prototypes, custom machines, scientific components, 90% one or two pieces.
- MasterCAM Programming.
- All ranges of exotic materials.
- Required to design and fabricate various machinery components and assemblies from interpretation of engineer field sketches.
- Design and fabricate any tooling, fixturing and special cutting tools for each job.
- Determine all processes to complete each job and recommend changes to the design of the workpiece to produce a more economical build and or improved simplicity and manufacturability.
- Responsible for inspection of all completed work of 5 machinists. Produce certification inspection reports as needed.

4/2003 – 7/2013 Freedom Development & Engineering Services La Habra, CA

Business owner

- Developed business with the Chevron gasoline retail dealer network offering services for gas stations, car washes, convenience stores and commercial centers.
- Provide property development consulting, design, planning, Entitlement, engineering, permitting and construction management services.
- Expanded business to serve retail and commercial property owners and residential builders.
- Projects ranged from \$75,000.00 to \$5,000,000.00

8/1998 - 4/2003 Chevron, La Habra, CA

Contract Project Manager, Chevron Property Development, Acquisitions Branding.

- Worked as a team with acquisitions branding management to guide and support Chevron gas station investors, architects and general contractors through the entitlement, permitting and construction of Chevron Image gas stations; to achieve the optimal Chevron branding image possible for each development.
- Work included capital and expense budgeting, material specification, purchasing and management of sub-contract installation of Chevron signage, store equipment and other Chevron Image elements for each development.
- Multitasking of 10-15 projects at a time.
- Projects ranged from \$75,000.00 to \$200,000.00 for Chevron's investment and \$200,000.00 to \$5,000,000.00 for owner's construction.

4/1990 – 4/1998 American Racing Custom Wheels, Rancho Dominguez, CA

Machine Shop Department Manager

- Recognized for reduction of accident rates - lowest in the division.
- Reduced machine shop scrap rates from 4.20% to 0.4%; led teams to reduce plant-wide scrap.
- Reorganized existing equipment into product group work cells and implemented cell teams.
- Assumed management of production process engineering to improve processes and tooling.
- Led Engineering teams in study and evaluations of sample capital equipment.
- Justified and implemented a \$5,000,000.00 CNC machine shop investment and other \$300K to \$2M Machinery and Tooling investments.
- Increased production from 6,000 wheels/day to 8,000+ while reducing manpower by 140 employees.
- Maintained a continuous improvement of manufacturing cost per wheel while overall costs across all departments was climbing.
- Assisted division executives in evaluating production conditions and optimizing machine shop productivity and quality, in other manufacturing plant locations in Mexico and USA.

Pre-1990 Job History available upon request.

Training and Education of interest while employed at American Racing Custom Wheels

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|------|---|----------------------------|---------|-----------|
| 1990 | Justifying Automation | SME Seminar | 2 Days | |
| 1991 | Statistical Process Control | Cal Tech | 3 Days | 2.0 ceu's |
| 1991 | Malcolm Baldrige Award | Quality Institute | 3 Days | |
| 1991 | Dale Carnegie | D.C. Institute Certificate | 14 Eves | 3.0 ceu's |
| 1992 | Effective Manufacturing Cells | SME Seminar | 2 Days | |
| 1992 | Manufacturing Management Excellence | C.S.U.F. Certificate | 17 Eves | 3.3 ceu's |
| 1993 | Deming; The New Economics | Deming Seminar | 4 Days | 3.0 ceu's |
| 1993 | Time Management | A.M.A. Seminar | 2 Days | 1.2 ceu's |
| 1993 | Front Line Leadership | Zenger Miller | 17 Days | |
| 1993 | Root Cause Analysis | Touch Stone | 8 Days | |
| 1994 | Advanced Product Quality Planning | A.I.A.G. | 2 Days | |
| 1994 | Effective Training Techniques (Train the Trainer) | A.M.A. Seminar | 5 Days | |
| 1995 | Growth & Kaizen | Freudenburg-Nok | 1 Day | |
| 1995 | Moving from "Winners to Champions" (Maximizing the People Asset) | Dr. Fred M. Mills | 2 Days | |

Education

H.S. Diploma – Warren High, Downey, CA

Machine Tool Technology - Cerritos College, Cerritos, CA