

JAMES SMITH

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Sun City, AZ

(602) 488-0753

Summary

Manual and CNC machinist accomplished in manufacturing and repairing precision parts and instruments with outstanding problem solving skills focused on driving continuous improvement through innovative ideas and methods.

Highlights

- Surface grinder
- Hardinge manual chucker
- Cutoff and chop saws
- Turning and milling
- Some jig bore experience
- Tooling steels
- Billet, plate, bar, castings, alloy's, molly's
- Job shop work: pumps, bearings, line boring, weldments, breakdown and repair,
- Worked with many exotic metals
- Strong milling skills
- CAD technical drawing – AutoCAD, SolidWorks
- CAM programming – Mastercam, Solidcam, HSMworks, Featurecam
- Capable of interpreting and executing mechanical plans, reading technical drawings, drafts and sketches
- Mechanically inclined
- Time manageability
- Material processing
- Problem solving
- Read and interpret blueprints, including Geometric Dimensioning and Tolerance (GD&T)
- Strong turning skills
- Mathematical/analytical skills to perform calculations
- Wire EDM
- SPC – Statistical Process Control

Experience

Machine Tool Technician

Mobi Tools, LLC

Phoenix, AZ

01/1990 - 01/1998

- Responsible for tool room and manual machine shop work loads
- Regulated workloads, material ordering, time and tolerance management for preprocessing and post processing for heat treating, grinding, and plating
- Layout, fabricate, and machine r&d, tooling, fixtures, and prototype work in aerospace and medical fields
- Efficiently machined small and large parts to tolerances of .001 or less
- Proposed process changes that significantly improved quality and efficiency
- Responsible for updating stock inventory and post orders for new material
- Efficiently operated grinders for sharpening cutting tools
- Program, setup, and operations of CNC mills and lathes

Machine Tool Technician

M&B Machine & Tools Inc

Phoenix, AZ

06/1983 - 01/1990

- Fabricated tools, jigs and fixtures to meet manufacturing and engineering needs
- Dismantled and inspected components and adjusted and repaired them as necessary
- Trained, directed and instructed apprentices and helpers
- Selected appropriate speeds and feeds according to type of metal and finish specifications
- Coding with CAD – CAM Systems
- Program, setup, and operations of CNC mills and lathes

CNC and Manual Machining Instructor Sr

GateWay Community College Central City Campus

Phoenix, AZ

03/2015 - Present

- Precision machining and technical instruction
- Curriculum design and mapping
- Instruction of manual lathe, mill, surface grinding, CNC lathe and mill, CAD-CAM, GD&T, metrology and theory

Education

Moon Valley High School – Phoenix, AZ

1980 – 1983

Marine Corps Engineer School (Marine Corps Reserves)

1983 – 1984

Honorable Discharge RE Code: 1A

Other Accomplishments

From 1998 to March of 2013 I was a Co-Owner and responsible for remodeling of a lounge from the ground up for a new family business. This was a total success and have recently sold the business and relocated back to Phoenix

Duties included but not limited to:

- Setting up daily and monthly cash flow system including payroll and POS systems
- Product inventory and control
- Employee management and training
- Customer Service – the customer relationship and experience is the foundation and keeps them coming back
- All aspects of remodeling which also included bringing up to codes from subfloor to trusses and roof and electrical and plumbing utilizing all pertinent safety guidelines when working around the general public
- Continual, regular, preventive maintenance and normal wear and tear maintenance of the premises vital to the operations of the business and the safety of our customers