

Amilgar Figueroa

Lead Machinist / Programmer - DIVERSIFIED MACHINE SYSTEMS

Colorado Springs, CO 80922

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Career-oriented position as a Machinist / Programmer, which will utilize my skills and abilities to their fullest.

Work Experience

Lead Machinist / Programmer

DIVERSIFIED MACHINE SYSTEMS - Colorado Springs, CO
2015 to Present

SPECIAL MACHINIST ACCOMPLISHMENTS

- Edited Master CAM programs.
- Perform manual programming using G Codes.
- Serve as the "Go-to-Person" for technical advice to other employees.
- Serve as Lead Machinist authorized for critical and complex parts.

SPECIAL OPERATIONS ACCOMPLISHMENTS

- Organized the entire maintenance department of equipment and supplies.
 - Save money by using the right feeds and speeds.
- Consistently find the proper tools for increasing productivity.
- Selected to serve as Quality Control Specialist.

SPECIAL TECHNICAL ACCOMPLISHMENTS.

- Interact with Engineers on new fixtures for design and set-ups.
- Manufacture parts for building specialized CNC machines.
- Categorize and label products for increasing efficiency of operations.
- Maintain 5S Certification.

PROGRAMMING DUTIES

- Review prints for tolerances and locations.
- Determine availability of required tools and materials.
- Meet with engineers to ensure technical aspects of the job desired.
- Open up Master CAM software and download STEP file.
- Manually enter dimensions and locations.
- Ensure original job specifications were met.
- Proof the machine set-up and Master CAM files are accurate.
- Create the first article before production authorized.
- Observe and evaluate work produced by associates for quality assurance.

MACHINIST DUTIES

- Responsibilities include being in charge of setting up the more complex jobs for production and prototypes.
- Meet with Supervisor to receive job assignments
- Interpret blueprints and drawings of finished products.
- Determine proper set-up of fixtures and railings.
- Load software program by part number.
- Set zero for x, y and z coordinates.
- Confirm zero setting prior to running the job.
- Check first piece for proper measurement and tolerances.
- Start job at 50% feed rate and increased depending on type of material.

OPERATIONS DUTIES.

- Load software programs by part number.
- Utilize tools including digital/dial calipers/indicators, and micrometers.
- Make any changes or adjustments as required.
- Work on the following: Manual Lathes & Mills - CNC Controls - Grinders

REPAIR DUTIES.

- Interact with factory for support on specialized machines..
- Explain issues with filters, bleed-down valves, intensifiers, accumulators, or hydraulic pumps.
- Analyze problems and formulate solutions.
- Repair or replace parts as necessary and test for operational efficiency.

PRODUCTION DUTIES.

- Prioritize activities by regular schedule or urgency needs.
- Inventory and order supplies as necessary.
- Research Internet and company catalogues for products and availability.
- Evaluate items by quality and cost.
- Monitor preventive maintenance schedule on a weekly basis..
- Promote orderliness and cleanliness of work areas.
- Ensure Quality Control on all finished products.

Lead Machinist

PRESCOTT'S MANUFACTURING - Monument, CO
2010 to 2015

- Lead machinists of the CNC Lathes/Mill department responsible for the Aerospace and Medical industries.

Education

Associates Degree in Advance Manufacturing in Master CAM Programming

PIKES PEAK COMMUNITY COLLEGE - Colorado Springs, CO
December 2018

Skills

Inspection, Manufacturing, Quality Control, CNC, Maintenance, Welding, Microsoft Excel

Certifications/Licenses

Mater Cam

Present

- Utilizing master Cam software to engineer parts.