

Marcus Delgado

Manufacturing Technician

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SUMMARY

Manufacturing technician with 7 years in automotive machining and metal stamping plants, including a 2-year maintenance apprenticeship. Keeps CNC and assembly cells running through troubleshooting, setups and preventive maintenance, reads technical drawings daily and works with engineering and quality to close production issues. Brings mechanical aptitude, attention to detail and clear shift-handoff communication.

SKILLS

- Troubleshooting
- Mechanical Aptitude
- Hand Tools
- Preventive Maintenance
- Technical Drawings
- Microsoft Excel
- SPC
- 5S
- Attention to Detail
- Communication

EXPERIENCE

Manufacturing Technician 03/2023 - Present
Piedmont Drive Components Greer, SC

Tier 1 supplier of transmission housings and gear assemblies for 4 automotive plants.

- Diagnose sensor, fixture and pneumatic faults on 6 CNC machining and assembly cells, restoring output in under 30 minutes.
- Set up fixtures for **14** part numbers from technical drawings and work instructions, with zero first-article rejects in 2025.
- Perform weekly preventive maintenance with hand tools on spindles, conveyors and presses, cutting unplanned downtime 22% in one year.
- Record production counts, scrap and gauge checks in Microsoft Excel trackers that feed the daily engineering and quality report.

Production Associate 06/2021 - 02/2023
Upstate Fabricated Metals Spartanburg, SC

Contract metal stamping shop serving appliance and HVAC manufacturers.

- Operated 200-ton stamping presses and examined finished parts against prints, holding scrap under 1.5% per shift.
- Measured parts with calipers and micrometers every 50 pieces and charted the results on SPC charts for quality.
- Reduced die changeover time from 45 to 30 minutes on 3 press lines by staging tools with the setup lead.
- Organized tooling carts and the press area to pass 12 straight monthly 5S and safety audits.

Maintenance Apprentice 08/2019 - 05/2021
Carolina Fastener Works Simpsonville, SC

Part-time apprenticeship at a bolt and screw plant during the mechatronics program.

- Replaced belts, bearings and motors on 20 cold-heading machines under a senior maintenance mechanic.
- Tested PLC inputs and outputs with a multimeter to trace wiring faults on 4 packaging machines.
- Documented 300+ work orders in the CMMS, giving the maintenance planner a parts history for each machine.

EDUCATION

Associate of Applied Science 05/2021
Greenville Technical College Greenville, SC
Mechatronics Technology

CERTIFICATES

OSHA 10-Hour General Industry
OSHA Training Institute
08/2021

Forklift Operator Certification
Upstate Fabricated Metals
07/2021