

Robert P. Henderson

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PROFESSIONAL SUMMARY

Senior Precision Device Inspector with over 10 years of experience in high-tolerance manufacturing. Expert in CMM programming and the calibration of complex optical instruments. Proven track record of reducing defective output by 15% through the implementation of more rigorous inspection protocols and staff training.

WORK EXPERIENCE

Senior Quality Assurance Lead | Manchester Precision Engineering Ltd | Manchester, UK

May 2018 - Present

- Spearheaded the overhaul of the calibration tracking system, reducing missed inspections by 100% over a 24 month period.
- Supervise a team of 8 inspection technicians in a high-volume precision manufacturing facility.
- Managed a departmental budget of £450,000 for new measuring equipment and software upgrades.
- Reduced product return rate by 18% through the implementation of enhanced double-blind inspection protocols.
- Negotiated with vendors to save £15,000 annually on external calibration service contracts.

Precision Instrument Inspector | BAE Systems / North West Aerospace | Preston, UK

Sept 2013 - Apr 2018

- Performed high-precision dimensional inspections with tolerances of +/- 0.001mm using CMM and laser scanners.
- Identified a design flaw in hydraulic actuator gauges that saved the company £200,000 in potential recall costs.
- Authored 12 new Standard Operating Procedures (SOPs) for the maintenance of optical measuring systems.
- Achieved a personal accuracy rating of 99.9% across over 20,000 individual part inspections.
- Facilitated weekly cross-functional meetings with the engineering team to resolve manufacturing variances.

Quality Control Technician | Midlands Medical Device Group | Birmingham, UK

Jun 2010 - Aug 2013

- Managed the daily calibration of over 200 handheld measuring tools including micrometers and depth gauges.
- Assisted in the successful completion of 4 UKAS and MHRA audits with zero major non-conformance findings.
- Implemented a barcode-based asset tracking system that reduced tool search time by 30%.
- Trained 15 new hires on the proper application of GD&T principles and visual inspection techniques.

EDUCATION

University of Manchester | Bachelor of Science (Hons) | Mechanical Engineering

Aug 2006 - May 2010

Manchester College | HND | Precision Machining & Tooling

Sept 2004 - Jun 2006

SKILLS

CMM (Coordinate Measuring Machine), Optical Comparators, Digital & Analog Micrometers, Bore Gauges, Surface Roughness Testers, ISO 9001 Standards, AS9100 Implementation, GD&T (Geometric Dimensioning and Tolerancing), UKAS Traceability, Six Sigma Yellow Belt

CERTIFICATIONS

Certified Calibration Technician (CCT) | American Society for Quality (ASQ) / Local Equivalent (Nov 2015)
Six Sigma Green Belt | Institute of Industrial and Systems Engineers (Mar 2019)

LANGUAGES

English (Native)
German (B2 Upper Intermediate)

ACTIVITIES

Metrology World Expo Speaker

Presented a case study on automated inspection efficiency to over 200 industry professionals.

Community STEM Mentor

Volunteer monthly to teach secondary school students about precision manufacturing and engineering career paths.

CV example from guide at vitae.so