

# 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

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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

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English (Native)  
German (B2 Upper Intermediate)

## ACTIVITIES

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### **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.