

# Robert M. Henderson

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## PROFESSIONAL SUMMARY

Senior Metal Drawing Machine Operator with over 10 years of experience in high-speed wire drawing of copper and specialised alloys. Proven expert in die setup and machine calibration, consistently maintaining tolerances within 0.001 inches while reducing material waste by 15 per cent through proactive maintenance.

## WORK EXPERIENCE

### Lead Metal Drawing Technician | British Steel | Sheffield, UK

Mar 2018 - Present

- Spearheaded the operation of a multi-wire drawing line producing 50 tonnes of industrial copper wire monthly.
- Reduced material scrap costs by £10,000 annually through a new die-alignment protocol.
- Oversaw the installation of three new high-speed drawing machines, completing the project 2 weeks ahead of schedule.
- Maintained a zero-defect rate for six quarters by implementing rigorous hourly micrometer inspections.
- Developed a training manual for new hires that decreased onboarding time by 30 per cent.

### Senior Wire Drawer | Liberty Speciality Steels | Rotherham, UK

Jun 2012 - Feb 2018

- Operated heavy-duty bull block drawing machines for high-carbon steel rod processing.
- Corrected a persistent tension variance issue, resulting in a 15 per cent increase in line speed.
- Collaborated with the engineering team to test new diamond-coated dies, extending tool life by 40 per cent.
- Managed daily production logs and inventory tracking using SAP manufacturing modules.
- Led a safety committee that reduced shop floor accidents by 25 per cent over a three-year period.

### Metal Drawing Machine Operator | Bridon-Bekaert Ropes Group | Doncaster, UK

Jan 2008 - May 2012

- Set up and operated cold-draw benches for seamless stainless steel tubing.
- Conducted tensile strength tests on finished batches to ensure compliance with client specifications.
- Reduced setup times for specialised orders by 10 minutes per shift through tool organisation.
- Performed daily lubrication system checks and routine belt replacements for five machine units.

## EDUCATION

### University of Sheffield | Professional Certificate | Manufacturing Leadership

Sept 2019 - May 2020

### Sheffield Hallam University | Bachelor of Science | Industrial Technology

Sept 2004 - Dec 2008

## SKILLS

Wiredrawing machine calibration, Die geometry and polishing, Lubricant application techniques, Micrometer and calliper proficiency, Metallurgy (Ferrous and Non-ferrous), Blueprint reading, Preventative maintenance, Tension control monitoring, Scrap reduction strategies, Quality control inspections, HSE standards compliance, Forklift operation

## CERTIFICATIONS

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IOSH Managing Safely | Institution of Occupational Safety and Health (2021)  
NVQ Level 3 in Performing Engineering Operations | City & Guilds (2015)

## LANGUAGES

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English (Native)  
German (Professional Working Proficiency)

## ACTIVITIES

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### **Metalworking Industry Expo**

Regular attendee of the annual exposition to stay current on CNC and drawing technology.

### **Yorkshire Wildlife Trust**

Volunteer for local conservation and restoration projects.