

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 specialized alloys. Proven expert in die setup and machine calibration, consistently maintaining tolerances within 0.001 inches while reducing material waste by 15 percent through proactive maintenance.

WORK EXPERIENCE

Lead Metal Drawing Technician | Precision Wire Technologies | Cleveland, OH

Mar 2018 - Present

- Spearheaded the operation of a multi-wire drawing line producing 50 tons of industrial copper wire monthly.
- Reduced material scrap costs by \$12,000 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 percent.

Senior Wire Drawer | Ohio Steel & Alloy Corp | Youngstown, OH

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 percent increase in line speed.
- Collaborated with the engineering team to test new diamond-coated dies, extending tool life by 40 percent.
- Managed daily production logs and inventory tracking using SAP manufacturing modules.
- Led a safety committee that reduced shop floor accidents by 25 percent over a three-year period.

Metal Drawing Machine Operator | Superior Tube Products | Akron, OH

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 specialized orders by 10 minutes per shift through tool organization.
- Performed daily lubrication system checks and routine belt replacements for five machine units.

EDUCATION

Case Western Reserve University | Professional Certificate | Manufacturing Leadership

Sep 2019 - May 2020

The Ohio State University | Bachelor of Science | Industrial Technology

Sep 2004 - Dec 2008

SKILLS

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

CERTIFICATIONS

OSHA 30-Hour General Industry Safety | Occupational Safety and Health Administration (2021)
Certified Manufacturing Technologist (CMfgT) | Society of Manufacturing Engineers (2015)

LANGUAGES

English (Native)
German (Professional Working Proficiency)

ACTIVITIES

Metalworking Industry Expo

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

Cleveland Community Bridge Building

Volunteer for local urban cleanup and restoration projects.