

David Henderson

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PROFESSIONAL SUMMARY

Senior Nonwoven Filament Machine Operator with over 10 years of experience managing high-capacity spunbond and meltblown production lines. Proven track record in optimising machine settings to reduce material waste by 15% while consistently exceeding daily output targets by 10%. Expert in chemical processing and troubleshooting complex industrial extruders.

WORK EXPERIENCE

Lead Nonwoven Line Operator | Northern Technical Fibres Ltd | Manchester, UK

May 2018 - Present

- Managed high-speed Reicofil 4 spunbond production line, consistently exceeding throughput targets by 12% annually.
- Reduced raw material waste by 18% through the implementation of a new polymer filtration monitoring protocol.
- Oversaw a crew of 6 operators, ensuring 100% compliance with HSE safety regulations and internal quality standards.
- Optimised extruder temperature profiles which resulted in a 5% improvement in fabric tensile strength and uniformity.
- Orchestrated a preventive maintenance schedule that decreased unplanned machinery downtime by 22% over two years.

Senior Filament Machine Technician | Global Textile Solutions | Leeds, UK

Aug 2013 - Apr 2018

- Operated dual-beam meltblown equipment for medical-grade filtration media production.
- Spearheaded a process improvement project that identified and corrected air pressure fluctuations, saving £12,000 in monthly scrap costs.
- Trained 12 junior operators on COSHH safety and advanced machine troubleshooting techniques.
- Achieved a record 400 days without a safety incident while maintaining peak production speeds.
- Conducted detailed quality audits using digital thickness gauges and air permeability testers to ensure ISO 9001 compliance.

Nonwoven Production Operator | Apex Manufacturing UK | Huddersfield, UK

Jun 2009 - Jul 2013

- Responsible for the setup and operation of thermal bonding calenders and high-capacity winders.
- Improved roll changeover efficiency by 25% by redesigning the staging workflow for finished product.
- Monitored polymer feed systems and adjusted masterbatch dosing for colour-specific production runs.
- Assisted engineering team in the successful commissioning of a new £1.5M nonwoven production line.
- Troubleshooted mechanical issues in real-time to maintain a 98% machine uptime rating.

EDUCATION

University of Manchester | Bachelor of Engineering (Hons) | Textile Science and Technology

Sept 2005 - Jun 2009

Manchester College | BTEC Level 3 Extended Diploma | Manufacturing Engineering

Sept 2003 - Jun 2005

SKILLS

Meltblown & Spunbond Technology, Extrusion System Calibration, Web Forming & Bonding, Tension Control Systems, Slitting and Winding Equipment, Chemical Processing Maintenance, Statistical Process Control (SPC), ISO 9001 Compliance, HSE Safety Standards, Quality Inspection Tools, Hazardous Material Handling (COSHH), Lockout/Tagout (LOTO)

CERTIFICATIONS

NEBOSH National General Certificate in Occupational Health and Safety | NEBOSH (Mar 2019)
NVQ Level 3 in Performing Manufacturing Operations | City & Guilds (May 2011)

LANGUAGES

English (Native)
Polish (Fluent)

ACTIVITIES

STEM Ambassador

Volunteering to speak at local schools about careers in modern UK manufacturing.

Industrial Innovation Forum

Active member of regional forums discussing sustainable polymer use in textiles.