

Robert L. Miller

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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 optimizing 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 | Precision Fibers Inc. | Charlotte, NC

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 OSHA safety regulations and internal quality standards.
- Optimized 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 | Greenville, SC

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 \$15,000 in monthly scrap costs.
- Trained 12 junior operators on chemical 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 | FiberTech Manufacturing | Spartanburg, SC

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 color-specific production runs.
- Assisted engineering team in the successful commissioning of a new \$2M nonwoven production line.
- Troubleshoot mechanical issues in real-time to maintain a 98% machine uptime rating.

EDUCATION

North Carolina State University | Bachelor of Science | Textile Technology

Aug 2005 - May 2009

Central Piedmont Community College | Associate of Applied Science | Industrial Systems Technology

Aug 2003 - May 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, OSHA Safety Standards, Quality Inspection Tools, Hazardous Material Handling, Lockout/Tagout (LOTO)

CERTIFICATIONS

Certified Nonwovens Professional | INDA Association of the Nonwoven Fabrics Industry (Nov 2015)
OSHA 30-Hour General Industry Safety | Occupational Safety and Health Administration (Mar 2019)

LANGUAGES

English (Native)
Spanish (Fluent)

ACTIVITIES

Textile Industry Mentorship

Volunteering as a mentor for local community college students entering the manufacturing workforce.

Annual INDA World of Nonwovens Conference

Regular attendee focusing on the latest advancements in sustainable filament processing.

CV example from guide at vitae.so