

Personal

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Innovative, creative and meticulous senior manufacturing engineer with MscEng and 6+ years work experience. Self-starter able to work with minimal supervision. Comfortable with ambiguity and change and capacity to propose solutions rapidly. Highly proficient in reading technical schematics and diagrams. Excellent problem-solving, analytical, and critical thinking skills. Results-driven with well-defined interpersonal skills and flair to pull diverse teams together to achieve results. Average cost saving on production line per annum of \$180K and increased productivity of 27% by implementing real-time measures and live reports.

Work Experience

**Senior Manufacturing Engineer**  
International Paper, Auburn

Sep 2016 - Present

- Technical subject matter expert for customization of equipment
- Coordinating new product introductions with multidisciplinary teams
- Collaborating closely with engineering team and vendors to balance design intent with manufacturability and performance
- Identifying potential manufacturing process or equipment problems and implementing preventative solutions
- Employing and supporting PLCs, conveyors, and robotics
- Supporting technicians by helping troubleshoot complex processes and machine issues
- Generating specifications, validation plans, and acceptance criteria for new equipment, materials, and processes
- Identifying key cost-cutting opportunities by baselining cost, cycle time analysis, and throughput improvements
- Working with quality control team doing root cause analysis and corrective action on quality concerns
- Sourcing and designing manufacturing tools, equipment, and fixtures
- Using 3D CAD software (Solidworks)
- Utilising lean tools, principles, and methodology
- Producing reports and instructions on proper equipment usage, maintenance, and technical procedures

Skills

Leadership	● ● ● ● ●
Communication	● ● ● ● ●
Trouble shooting	● ● ● ● ●
Problem-solving	● ● ● ● ●
Production processes	● ● ● ● ●
Lean manufacturing principles	● ● ● ● ●

Education and Qualifications

**Master of Science in Manufacturing Engineering**  
University of Maine, Orono

2016 - 2016

References

References available on request.