



# Mechanical Designer

## Company Overview

TS Manufacturing a local family-owned manufacturer of Automated Machinery for the Sawmill & Material Handling sector, based in the scenic City of Kawartha Lakes. As an industry leading manufacturer, TS Manufacturing has continually improved its facilities and infrastructure leading to the completion of a multi-million-dollar facility and equipment expansion culminating in the expansion of its 70,000 square foot manufacturing facility. Currently Celebrating 49 years in business with an experienced multi-generational team; TS Manufacturing offers a rural based lifestyle, while working in a global reaching, pandemic essential business; offering competitive pay and benefits. **We are a World Leader in Innovation for the lumber processing industry.** We design and manufacture in house and provide anything from a small single machine center up to multi-million dollar turn-key installations. Our product line is rather vast, and includes all sorts of multi-axis automated machines, including, troughed idler conveyors, Lumber Board Edger's, Headrig Saws, Stacking Lines, Lumber Trimming Lines, Sorting Systems, and the list goes on. With modern technology, and a strong global customer base we require people who are willing to take advantage of the opportunities to improve our processes and customer experiences throughout the organization including the current opportunities below.

## Job Description

The successful candidate will possess strong general mechanical skills to work in our design office in Lindsay, Ontario. Based on the candidates experience they will use their skills to successfully take projects from design managers and prepare designs for final issue to our in-house manufacturing department. In addition, they will provide shop and installation support for manufacturing personnel and customers.

## Key Duties include

- Autodesk Auto/CAD and/or Inventor. CAD detailed design and detail of mechanical, Pneumatic/hydraulic systems and materials
- Independent and team efforts on large multi-discipline industrial automation equipment design and detail projects.
- Lead/coordinate/communicate with detailers as a term to complete design project for manufacturing within the TS Manufacturing facility.
- Be a part of a team that: Completes the design cycle (Kick Off Meeting, Product Selection, Design, Detail, Check, Markup, Approval, Bill of Materials, Issuing, General Assembly Drawings and Fabrication/Assembly Technical Shop Support.
- Participate in pre/post-design reviews
- Complete as-built drawing mark-ups with plant assembly input.
- Project documentation\*(Depending on the candidate's strengths-subject to vary slightly).

## Desired Skills & Experience

- Minimum 2-year Dip. Eng. Technology – Mechanical
- 2-4 years Minimum design/detailing experience in related industries
- Working Experience in one or more of the following specialties areas:
- Manufacturing design as it relates to fabrication/assembly of automated equipment.



- Knowledge and understanding of manufacturing routing (Plasma/Laser, Bender, Shear, Fabrication, Paint, Machining, Assembly).
- Knowledge and understanding of Motors, Drivetrains, Gearboxes, Sprockets/Chains, Pneumatics, Hydraulics, Electrical Controls Devices etc.
- Knowledge and understanding of Steel and Plastic material products used in manufacturing of large, automated machines and production lines.
- Sheet Metal flat panel developments
- Ability to work in a multi-disciplinary team (both internal and remote), including mechanical, structural, electrical, instrumentation, fluid power and CAD support.
- **Fully versed in Autodesk Auto Cad 2015 or later is required.**
- **Advanced experience with Autodesk Inventor 2015 or later is preferred.**
- **Working knowledge and experience with Drafting fundamentals and practices.**
- Microsoft Office 2012 or later
- Excellent verbal and written communication skills
- Ability to work extra hours to ensure a successful project when required
- Be willing and able to travel globally to job sites to provide technical support

### What we Offer

Working with TS Manufacturing is a unique chance to take part in a growing company with projects all over the world. Our family oriented company ensures that you are not just a number, but a part of that family, where you are a part of an industry leading team of people all after a common goal. To be the best.

- Well lit and newly expanded manufacturing shop with in-house Engineering Department, and large Fabrication and Assembly shop recently upgraded to handle larger industrial equipment
- Modern CNC based plasma cutting, press brake, saw, lathe and milling capability on site to support Fabrication and Assembly processes
- Health and dental benefits
- Company pension plan
- Overtime after 40 hours
- Excellent opportunities for new skills and experience with our industrial machinery as we design, manufacture, install, maintain and upgrade our own equipment throughout its life cycle to customer requirements

### Locale

TS Manufacturing is [located right in the centre of the Kawarthas](#). Just over 60 minutes to the GTA, and in close proximity to Hwy 115 and 401, Peterborough, Toronto, and all major Ontario Cities - they are easily within reach providing options for those who prefer the big city amenities, as well as those who prefer the small-town easy-going pace. For more information about Lindsay and the surrounding area, please visit <http://www.explorekawarthalakes.com>.

If you think you should be a part of our engineering, trade or sales team for the mission above, email your resume with cover letter, detailing why you should be working for TS Manufacturing, to:

Interested applicants can submit their resume, in absolute confidence, to [Careers@tsman.com](mailto:Careers@tsman.com).

Applicants are encouraged to view our website [www.tsman.com](http://www.tsman.com)