



SR. MECHANICAL DESIGNER



ENTRY DATE

Immediately

LOCATION

Canada - Kitchener, Ontario

AREA

Mechanical Engineering

ORGANIZATION

PIA Automation Canada Inc.
Adam Thompson – HR Generalist
355 Norfinch Drive
North York, Ontario
careers-CAN@piagroup.com

We look forward to receiving your application. Please apply online only:
www.piagroup.com/careers

WORKING AT PIA.



REQUIREMENTS:

The Sr. Mechanical Designer is responsible for designing custom machinery, tooling and automated equipment in various industries from concept to final product. The incumbent will conduct all activities with positive morale, quality, creativity and teamwork.

- Design mechanisms, subsystems and complete machines involving mechanical, pneumatic, hydraulic, electrical, and electronic components using Solidworks and Draftsight
- Perform engineering calculations with respect to strength of materials, speeds, horsepower, temperature, pressure, force, etc. as related to machine and tool designs
- Produce bills of materials using CAD, spreadsheets and ERP tools
- Verify that designs meet specifications, requirements, standardization, and safety standards
- Verify detail drawings for accuracy, proper material selection, machining techniques, finishes and cost saving
- Communicate with customers, vendors, technical managers, project managers and team members regarding all aspects of the project
- Provide design support to electrical, programming, purchasing, manufacturing, assembly, and service teams
- Provide direct instruction and guidelines for mechanical designers
- Prepare technical documentation as required
- Ensures design files and other related documents are updated
- Follow all company and departmental procedures, policies and guidelines including directions provided by department manager.
- Take lead on various projects and ensure they stay on track and meet the budget and timeline
- Coach, check and validate Mechanical Designers designs to ensure that all departmental procedures and instructions have been followed and designs are accurate, functional, manufacturable, cost effective, and assembly and maintenance friendly
- Collaborate with other senior designers in creating and applying standard components and modules in designs and coach and validate designers work to ensure they are applied to all designs and details



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PIA Automation Canada Inc.
Adam Thompson 3
55 Norfinch Drive North York,
Ontario
adam.thompson@piagroup.com

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WORK EXPERIENCE REQUIREMENTS:

- Minimum 8 years of Mechanical Design experience
- Minimum 5 years of automation design and integration experience

EDUCATION REQUIREMENTS:

- Post-secondary degree in Mechanical Engineering or equivalent

REQUIRED SKILLS

- Advanced knowledge of Solidworks and Draftsight
- Advanced knowledge of MS Excel for formulation and data analysis
- Working knowledge of other MS Office software
- Knowledge of existing and emerging technologies in automation and machine design
- Strong mechanical altitude and analytical skills
- Familiar with applicable safety and ergonomics standards
- Must be resourceful in resolving problems
- Excellent verbal and written communication skills
- Strong customer service and relation skills
- Ability to multitask and prioritize workload
- Ability to work in a fast-paced environment
- Proven team player with the ability to interact effectively with a team, customers, and vendors while representing the company in a professional manner

WHAT DO WE OFFER?

- Excellent in-house training programmes (PIA Academy)
- PIA Life, because we care about the well-being of our employees
- International working experience at PIA locations worldwide
- Extended health benefits

**WORKING
AT PIA.**



PIA Automation welcomes and encourages applications from people with disabilities. Accommodations are available on request for candidates taking part in all aspects of the selection process.