

## Robotic Simulation Specialist Job Posting - Barrie, Ontario

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Prodomax is a specialized industrial engineering firm focused on designing complex automation with a blue-chip customer base and a tremendous track record since it was founded in 1971. Prodomax operates from two facilities with a combined footprint of 200,000 square feet and 200+ employees in Barrie, Ontario. In July 2018, Prodomax joined forces with Jenoptik a globally operating technology group which is present in more than 80 countries with approximately 4,000 employees worldwide. Jenoptik's key capabilities include optics, lasers, metrology and automation servicing the automotive, life sciences and semi-conductor industries.

We currently have a requirement for a Robotic Simulation Engineer/Specialist to join our team, reporting to the Director of Engineering. The purpose of the Robotic Simulation Engineer/Specialist is to provide support to the Process Engineering group to validate processes as well as the Robotics group to supply off-line programs for machine start-up and development.

Prodomax has earned many prestigious awards for its advanced processes including:

- Best Managed Companies Award
- Best Managed Companies Gold Award
- Barrie Chamber of Commerce – Business Excellence Award
- Barrie Chamber of Commerce – Innovation Award

### Key Accountabilities and Responsibilities:

- Possess a thorough knowledge of robot programming and motion planning.
- Will be competent with most robotic manufacturer's equipment (Fanuc, ABB, Motoman, Nachi).
- Experienced in the use of robot simulation and offline programming software (RoboGuide, Delmia)
- Experienced in performing simulation studies and tasks including,
  - Interference and Reach validation
  - Cycle time reports
  - DCS (Virtual limiting) offline setup and safety audit sheets for validation purposes
  - OLP creation and validation including
    - Robot paths
    - Weld seam identification, labelling and programming
    - Resistance weld labelling and programming
  - Adding kinematics to imported models
  - Preparing customer documentation including AVI's
- Possess the ability to set up I/O structures, robot start-up, and fieldbus networks.
- Arrange and provide direction to contracted simulation companies as necessary based on internal capacity constraints
- Responsible for all programming activities as well as assisting robotic tasks to completion.
- Participate in meetings for tooling design and development and work with the Process and Applications Group.
- Possess a thorough overall understanding of welding (mig, spot, and projection).
- Responsible for managing hours of work performed against budgets assigned to the project

### Robotic Simulation Specialist Key Professional Attributes:

- Engineering Degree or Engineering Technologist/Technician in Robotics, or related field of study and/or equivalent industry experience.
- 7 plus years of practical experience in robotic programming in an online and offline environment using simulation software such as Delmia and Fanuc RoboGuide.

### Our Benefits:

- Competitive salary and profit-sharing bonus
- Comprehensive Group Health & Dental Benefit Plan
- Employee assistance and wellness programs
- Employee training, development, tuition and professional fees reimbursement
- Partial tuition reimbursement for employees' Children enrolled in technical program at recognized Canadian college/university
- Annual performance management review
- Safe, professional work environment
- Casual business dress
- \$1,000 referral fee if you recommend an approved permanent hire – family & friends included
- Safety shoes and safety glasses reimbursement
- Prodomax Employee Excellence Recognition (PEER) Awards

Prodomax is minutes away from the GO Station connected to Toronto and close to beautiful Kempenfelt Bay on Lake Simcoe. Barrie has something for everyone. Just ask our people. If this opportunity sounds like an environment you would thrive in, send your submission to <https://jobs.jenoptik.com/Jobs/All?lang=eng>

We have mountain bikers, road bikers, skiers, golfers, runners, video game heroes, musicians, community volunteers, race car drivers, fitness enthusiasts, hockey players, outdoor sportspeople, TV & potato chip experts, single people, family people, and every other variety of people. Everyone is welcome.