

## PRESS KIT

Robotiq's Lean Robotics methodology and products enable manufacturers to deploy productive robot cells across their factory.

They leverage the Lean Robotics methodology for faster time to production and increased productivity from their robots.

Production engineers standardize on Robotiq's Plug + Play Components for their ease of programming, built-in integration, and adaptability to many processes. They rely on Insights and skills to accelerate robot projects and optimize robot performance once in production.

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## Company Profile

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**Founded:** 2008

**Headquarters:** 966, chemin Olivier, Suite 325, Lévis, Qc, G7A 2N1, CANADA

**Co-Founders:** Samuel Bouchard (CEO), Vincent Duchaine and Jean-Philippe Jobin (CTO)

**Sales Channel:** [Global network of distributors over 40 countries](#)

**Core Business:** Robotiq manufactures flexible robot grippers, sensors and vision systems with the goal of making automation easy, fast and accessible to Global Manufacturers and SMEs without the need of extensive technical knowledge, leading to a quick ROI.

**Principal Products:** flexible electric robot grippers, force torque sensor, vision systems, real-time robot monitoring software, ready-to-use, downloadable robotic programs.

**Principal Features:** Easy to install, simple to program, Plug + Play, can grip parts of many different sizes., brings the sense of touch and vision to robots, focused on human-robot collaboration, Software Applications to accelerate robot projects and optimize robot performance.

## MANAGEMENT

### SAMUEL BOUCHARD, CEO AND CO-FOUNDER



Samuel Bouchard is President of Robotiq, he co-founded the company in 2008. Samuel holds a Ph.D. in Mechanical Engineering and a bachelor in Engineering Physics from Laval University. He is a regular speaker at international events on robotics technology and business where he promotes the Lean Robotics methodology.

You can read him on emerging applications in industrial and service robotics on [LinkedIn](#), Twitter [@SamBouchard](#) and [blog.robotiq.com](#).

### JEAN-PHILIPPE JOBIN, CTO AND CO-FOUNDER



Jean-Philippe co-founded Robotiq in 2008. With his strong experience in engineering and arts he followed his passion for creation and technologies. As a member of the ISO committee on robot safety, he contributes in defining the next safety standards for collaborative robots.

[Read more about Jean-Philippe in this blog post >>](#)

## ROBOTIQ PRODUCTS

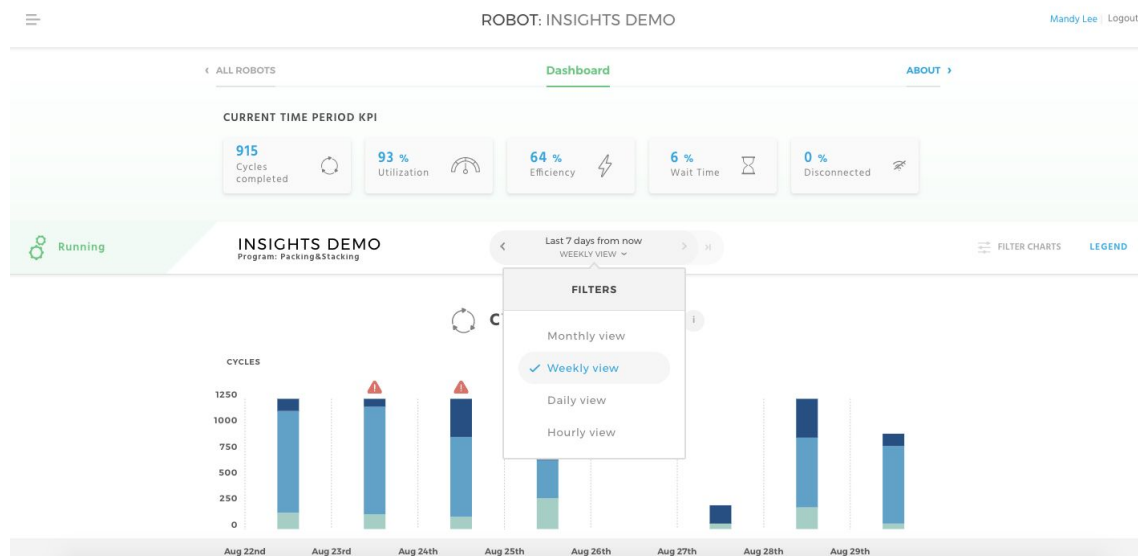
Robotiq products to lower the entry barriers to the world of industrial automation and enable automation in areas previously considered too complex or costly by offering Plug + Play and software solutions.



## INSIGHTS

Insights software gives manufacturing engineers the right KPIs to improve their product quality and increase process efficiency. Automation engineers get the data to optimize robot performance by reducing cycle time and diagnosing failures.

Production managers see the long term trend in robot performance to improve planning and overall productivity. Insights Dashboard also gives the operators real-time status and alerts to simplify the production.



- Monitors robot in real-time
- Measures robot performance over time from years to minutes
- Gives access to your robot data anytime, anywhere
- Diagnoses work cell with Digital IO states and external sensor readout

## 2-FINGER ADAPTIVE ROBOT GRIPPERS

Our flexible robot grippers are designed to work perfectly with Universal Robots for a fast, easy, plug-and-play integration with collaborative robots. Manufacturers can eliminate changeovers by using a single programmable robot gripper to handle all their parts.

- Fast, easy, plug-and-play integration with Universal Robots
- Most popular applications: CNC machine feeding, quality testing, automated assembly, pick and place



## FT 300 FORCE TORQUE SENSORS

The Robotiq Force Torque Sensors give your robot the sense of touch. The FT 300 integrates seamlessly and quickly on all available UR models: no coding, no machining.

- Add the sense of touch to robots
- Most popular applications: assembly, precision part insertions, product quality testing.



## WRIST CAMERA

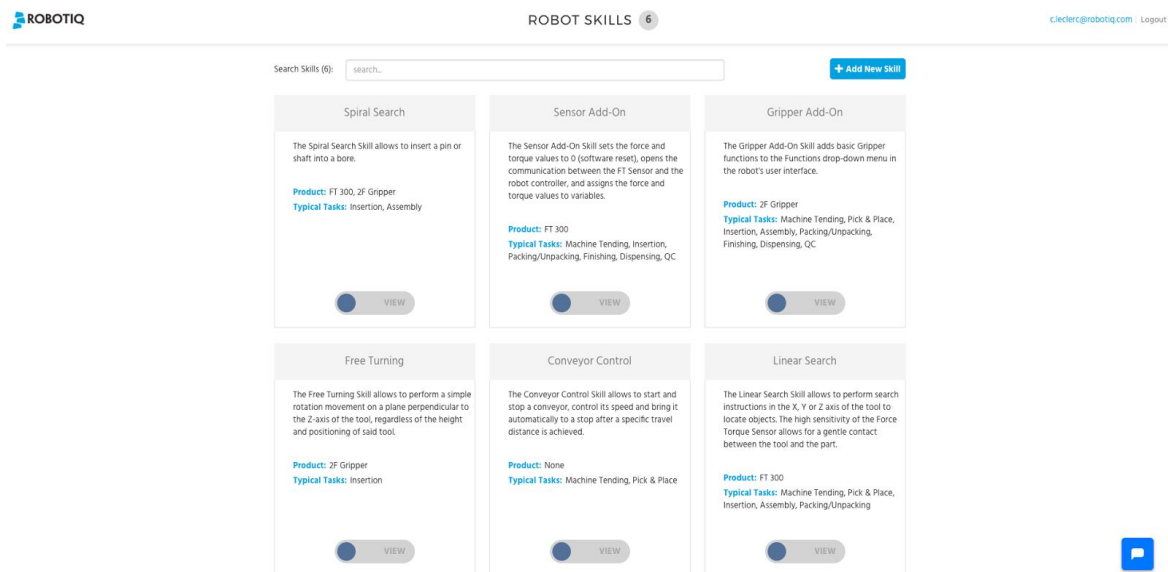
The Robotiq vision-guided pick and place solution for Universal Robots can be setup on a shop floor in 30 minutes, breaking down barriers to vision integration. No external PC is required to setup, program or run the Robotiq Camera.



## SKILLS

Skills accelerate robot programming by providing ready-to-use, downloadable robotic programs. They extend the build-in capabilities of the robot with a broader variety of specialized tasks. Skills are made to take full advantage of Robotiq plug + play Components, smart sensors, or advanced control concepts. They provide the new robotic capabilities you need for a faster time-to-production.

- Free for all users of Robotiq Plug & Play components or Insights subscribers
- Reusable to program a complex robotic task that has already been solved



The screenshot displays the 'ROBOT SKILLS' interface. At the top, there is a search bar with the text 'Search Skills (6): search...' and a '+ Add New Skill' button. Below the search bar, there are six skill cards arranged in a 2x3 grid. Each card has a title, a description, product information, typical tasks, and a 'VIEW' button.

Skill Name	Description	Product	Typical Tasks
Spiral Search	The Spiral Search Skill allows to insert a pin or shaft into a bore.	FT 300, 2F Gripper	Insertion, Assembly
Sensor Add-On	The Sensor Add-On Skill sets the force and torque values to 0 (software reset), opens the communication between the FT Sensor and the robot controller, and assigns the force and torque values to variables.	FT 300	Machine Tending, Insertion, Packing/Unpacking, Finishing, Dispensing, QC
Gripper Add-On	The Gripper Add-On Skill adds basic Gripper functions to the Functions drop-down menu in the robot's user interface.	2F Gripper	Machine Tending, Pick & Place, Insertion, Assembly, Packing/Unpacking, Finishing, Dispensing, QC
Free Turning	The Free Turning Skill allows to perform a simple rotation movement on a plane perpendicular to the Z-axis of the tool, regardless of the height and positioning of said tool.	2F Gripper	Insertion
Conveyor Control	The Conveyor Control Skill allows to start and stop a conveyor, control its speed and bring it automatically to a stop after a specific travel distance is achieved.	None	Machine Tending, Pick & Place
Linear Search	The Linear Search Skill allows to perform search instructions in the X, Y or Z axis of the tool to locate objects. The high sensitivity of the Force Torque Sensor allows for a gentle contact between the tool and the part.	FT 300	Machine Tending, Pick & Place, Insertion, Assembly, Packing/Unpacking

## 3-FINGER ADAPTIVE ROBOT GRIPPER

Compatible with all major industrial robot manufacturers, this **programmable** and mechanically intelligent robotic hand enables manipulation of a wide variety of objects. Control the force, speed and position **parameters** of this robot gripper designed for unstructured environments.



- Most popular applications: advanced manufacturing, research and development.

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## TOPICS WE CARE ABOUT

- Collaborative robots integration and optimization
- Manufacturing
- Automation
- Industry trends
- Manufacturers' success stories
- Safety standards in robotics
- Cutting-edge robotic projects and research & development in robotics
- Implementation of robots in SMEs and MNCs
- The role of sensing and vision in the robotic and manufacturing industry

**In short, we care about creating and sharing awesome-useful-educational content for the industry!**



## OUR RESOURCE CENTER

We love writing about different aspects of robotics and automation. In fact, we wrote dozens of eBooks that we make available for free in our resource center. [Take a look!](#)

## OUR MOST POPULAR EBOOKS

- [Collaborative Robots eBook + Comparative Chart](#)
- [Collaborative Robot Risk Assessment, an Introduction](#)
- [Getting Started with Collaborative Robots in 5 Steps](#)
- [The Recruitment Challenge In Manufacturing And How to Overcome It](#)
- [Collaborative Robots in Global Companies](#)