

Collaborative Robotics Pioneer

With its inherent safety design, intuitive user interface, groundbreaking price and innovative train by demonstration approach to programming, Baxter® fundamentally changed the way automation could be accessed and utilized in production environments. As the world's first two-arm collaborative robot in 2012, Baxter revolutionized the manufacturing world and literally became the face of the collaborative robotics category. And for good reason. Today, leading companies of all sizes, industries and specialties rely on Baxter to handle their repetitive production tasks, gaining a significant competitive advantage for their business.



Redefining Automation

Baxter is a proven solution for a wide range of tasks – from packing and kitting to line loading and material handling. If you walk the floor of your facility and see lightweight parts being handled near people, you've likely just found a great job for Baxter. This game-changing robot is ready to get to work for your company – doing the monotonous tasks that free up your skilled human labor to be exactly that.

Baxter works safely and interactively with co-workers without caging, and can be manually trained by non-engineers in minutes to do meaningful tasks. As the flagship product in our family of smart, collaborative robots, Baxter adapts to real-world variability, is agile enough to change applications quickly, and performs tasks in similar ways to people. It's an innovative option for many of the 90% of manufacturing tasks which can't be cost-effectively automated with conventional robots.

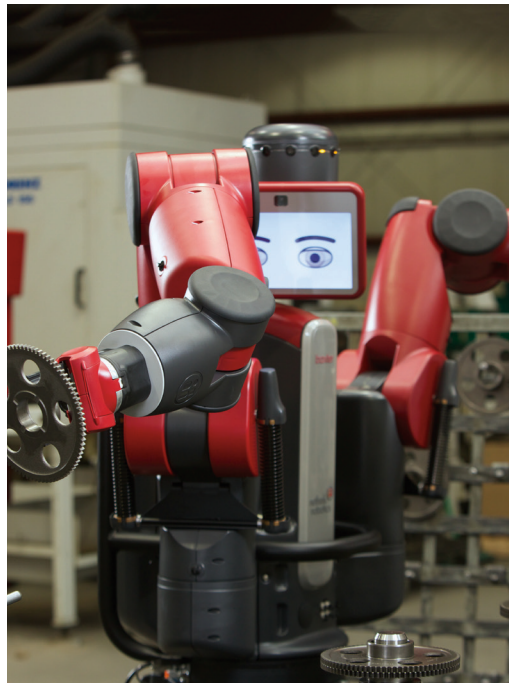
Simple, Flexible, Dual Arm Automation

Unlike conventional robots which require costly caging, specialized programming and extensive integration to execute a single task, Baxter® can be quickly and easily trained and deployed as often as needed. As a result, it's an ideal fit for the lower volume, higher mix environments which define the vast majority of manufacturing tasks today.

Featuring two 7 degree of freedom arms, each with a maximum reach of 1210 mm, Baxter can be deployed to work on two independent tasks to increase versatility, or simultaneously on the same task to maximize throughput. Either way, it offers unmatched versatility for a wide variety of tasks.

Baxter features Rethink's unique compliant motion control which allows it to "feel" its way into fixtures or machines, even when part position changes. This enables Baxter to work effectively in semi-structured environments, and handle the variations that inevitably happen on the shop floor. This unique advantage is what allows our robots to work in similar ways to people.

Best of all, Baxter's capabilities and performance are continuously improving, thanks to the Intera™ platform's regular series of downloadable software upgrades which ensure users always have access to the latest functionality available.



Part of the Rethink Robotics Family of Smart, Collaborative Robots

- “Feels” its way into fixtures and machines and fits into existing work cells
- Works like people do to dynamically manage semi-structured environments and adapt to real-world conditions
- Trained easily, implemented quickly and redeployed as needed
- Ideally suited for packaging, line loading, material handling, and more

Basic Specifications

Weight	165 lbs. without pedestal, 306 lbs. with optional pedestal
Degrees of Freedom	7 per arm
Maximum Reach	1210 mm per arm
Payload	5 lb. (2.2 kg) per arm
Target Applications	Packaging, kitting, line loading, material handling, and more.
Embedded Vision	Camera in each arm

Safety by Inherent Design	Power and force limited compliant arm with series elastic actuators and embedded sensors
Embedded Force Sensing	Force sensors embedded at each joint, standard
IP Classification	IP50 rating
Power Requirement	Standard power outlet (120V, 6 amps)
Operating Software	Intera™



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