

## Rethink Robotics 公司——Baxter机器人

机器人设计大师Rodney Brooks创立的Rethink Robotics的革命性的产品Baxter机器人，引领潮流，带来颠覆性的创新。

- ◆ 柔顺、安全，友好的人机互动
- ◆ 无需编程-操作人员可手动引导机器人进行动作
- ◆ 充分胜任重复性的工作
- ◆ 更加智能，可方便集成到现有工业自动化系统中



### 基础参数

总重量（无底座）	74kg	嵌入式视觉	腕部摄像头（每侧各1）
总重量（带底座）	137.7kg	嵌入式受力传感器	每一个关节都有高分辨率的力度传感器
自由度	14（单臂7自由度）	固有安全设计	功率和力度受限的柔性机械臂，带有串联弹性驱动器和内置传感器
单臂展	1210mm	防护级别	IP50
载荷	2.2kg	电源需求	120V, 6A
目标应用	包装、生产线加载、物料处理、其他	操作系统：	自主研发的Intera软件平台（可升级）

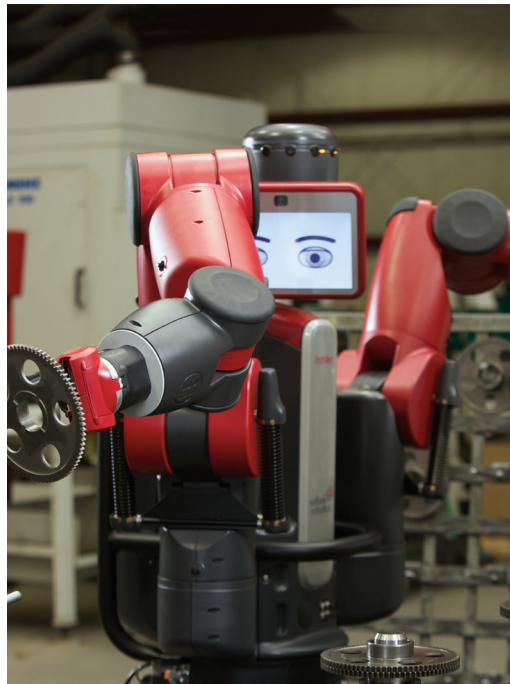
# Simple, Flexible, Dual Arm Automation

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

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

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



[www.rethinkrobotics.com/zh-cn](http://www.rethinkrobotics.com/zh-cn)

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