

## ClickSmart™ Family of Gripper Kits

Since its inception, Rethink Robotics® has been on a mission to make automation more accessible to manufacturers of all sizes. We develop smart, collaborative robots that are easy to use, reliable, and fast to deploy. The key to success for deployment of any robotic solution is a well-designed end-effector. Our ClickSmart family of gripper kits, combined with Sawyer™ and powered by Intera® software, provide a single source solution for fully integrated deployments that save time and money.



The ClickSmart Plate is the cornerstone of the ClickSmart family – its quick release mechanism enables rapid changing of End of Arm Tooling (EOAT) in seconds, without using any tools. The ClickSmart Plate has an embedded memory module, which stores the configuration of the attached EOAT. When the ClickSmart Plate is attached to any Sawyer robot, it will immediately recognize the type of end-effector and know how to control it. A simple click solves the problem!

# The ClickSmart Gripper Kits contain all the components you need to quickly build

and customize end-effectors for a wide range of tasks. Our plug and play grippers greatly reduce costly custom design and product sourcing efforts. The ClickSmart grippers take the guess work out of End of Arm Tooling and deliver on the promise of fast deployments.

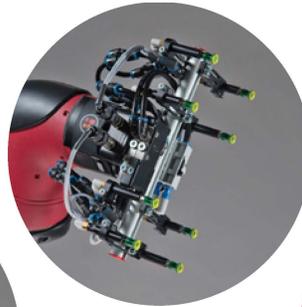
We selected high-quality components to ensure durability, safety compliance and compatibility with Sawyer and Intera software, providing the flexibility you need to successfully automate, even in low volume, high mix environments.



**FLEXIBLE**



**RELIABLE**



**FAST DEPLOYMENT**



**SMART**



**DURABLE**

## ClickSmart Gripper Kits:

### Vacuum Foam Gripper Kit (VFG)

Designed for applications where different sized parts need to be picked or where surfaces are uneven. The kit includes: 1 foam vacuum gripper and analog vacuum sensor for intelligent behaviors. The foam gripper is 80 mm in diameter. Only 80% of cavities need to be covered for gripper to function.

### Vacuum Large Gripper Kit (VLG)

Designed for applications where large and/or multiple parts need to be picked up at the same time. The kit includes an assembly for up to 4 G ¼ thread vacuum cups (4 angle clamps, 4 extension tubes, 4 push fittings, 4 bag lip vacuum cups, 4 dual durometer cups), vacuum generator with silencer, and analog vacuum sensor for intelligent behaviors.

### Vacuum Small Gripper Kit (VSG)

Designed for applications where the pick surface area may be small and swap time is important. The kit includes an assembly for up to 8 M5 thread vacuum cups (8 angle clamps, 8 extension tubes, 8 push fittings, 8 conducting vacuum cups, 8 dual durometer cups), vacuum generator with silencer, and analog vacuum sensor for intelligent behaviors.

### Pneumatic Small Gripper Kit (PSG)

Designed for applications where swap time is important, such as CNC machine tending, testing, and PCB handling. The kit includes: 2 pneumatic grippers and aluminum extrusion, 2 sensors used for open/close gripping states, and air regulators for grip speed control. The specs are: stroke – 12 mm, max finger width – 151 mm, and max finger length – 8 mm.

### Pneumatic Large Gripper Kit (PLG)

Designed for gripping large parts, as well as picking different sized parts. The kit includes 1 parallel pneumatic gripper, 2 sensors used for open/close gripping states, and air regulators for grip speed control. The specs are: stroke – 40 mm, max finger width – 186 mm, and max finger length – 70 mm.

## Ideally suited for:



-  **CNC Machining:** Loading/unloading CNC machines
-  **Metal Fabrication:** Tending press brake machines
-  **Packaging:** Packing cases, packaging parts and materials
-  **PCB Handling and ICT:** Tending circuit board testers

-  **Molding Operations:** Tending injection molding machines
-  **Line Loading:** Moving parts to and from tables, cases, conveyors, fixtures
-  **Test and Inspection:** Multi-point inspection with a single camera

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