



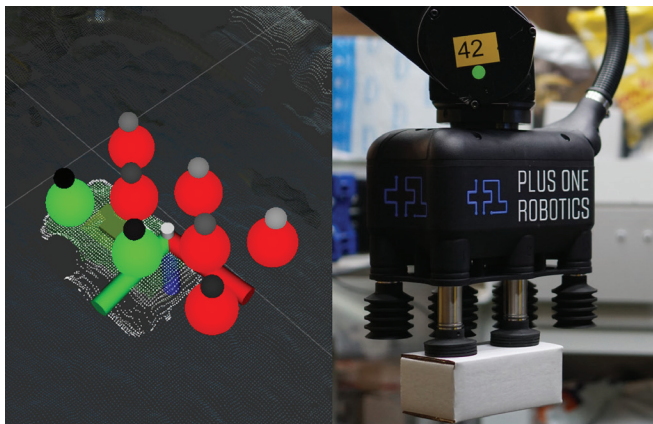
Patents Pending

Intelligent Grasping

Precise, repeatable manipulation of packages and parcels within the warehouse requires hand-eye coordination for robots. While fast and reliable AI-powered vision is crucial to efficient material handling, it’s equally important to have high-performance grippers to meet the challenges of variability. To provide customers with a full induction solution capable of handling the most complex parcel mix, we developed a patent-pending, state-of-the-art gripper with intelligent individual vacuum cup control.

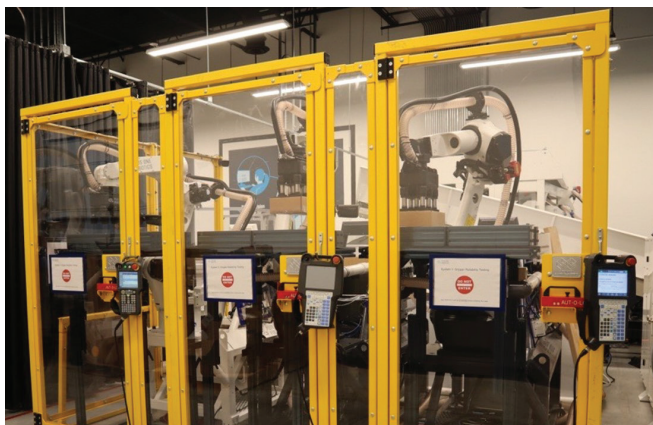
Features	Benefits
Activates only the optimal number of suction cups needed to grasp the parcel	Minimizes risk of unintentional multi-picks Maximizes retention force
Actuators conform to uneven surfaces	Minimizes risk of parcel damage
Concealed pneumatic routing	Minimizes risk of snagged hoses causing downtime
High flow vacuum	Ensures sufficient suction in imperfect conditions

Intelligent Grasping



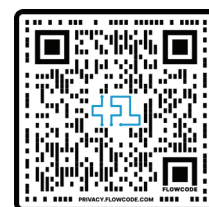
The performance of our intelligent gripper is enabled by recent advances in our PickOne vision software. With more accurate definitions of parcel outlines, PickOne is able to instruct the gripper precisely where to pick as well as how many suction cups to activate for optimal grasping. By extending just the necessary cups, the robot is able to minimize the risk of inadvertently grasping more than the target parcel. The gripper also eliminates leaking cups, ensuring that full vacuum force is applied to the parcel surface.

Reliability You Can Count On



Plus One Robotics follows a rigorous reliability testing protocol for its grippers to highlight areas for improvement long before our grippers arrive at your facility. Iterating on our designs in this manner before production release enables us to offer a dependable gripping solution for your parcel induction operations.

Specifications		
Supported Items	Polybags Padded mailers Boxes	Shipping envelopes Paper mailers
Max Parcel Weight Max Parcel Size	Up to 15 lb (6.8 kg) Up to 27 in x 19 in x 17 in (69 cm x 48 cm x 43 cm)	
Pneumatic Requirements	80 psi, 5 scfm (5.5 bar, 0.15 m ³ /min)	
Supported Robot Interfaces	Fanuc (10-12 kg payload) Yaskawa (10-12 kg payload)	



PLUS ONE
ROBOTICS

Robots Work. People rule.

Plus One Robotics provides the fastest and most reliable parcel handling robotics platform in the world. Founded in 2016 by computer vision and robotics industry experts, Plus One's intelligent solutions combine computer vision, AI, and supervised autonomy to pick parcels for leading logistics and e-commerce organizations in the Global 100.