



# InductOne, Dual-Arm Induction Cell

*Unmatched flexibility and productivity from the world's leading automated induction provider.*

Global parcel volume more than doubled between 2017 and 2022 [1], while the global workforce only increased by 5% [2]. Automation of parcel induction enables consistency of operations that aim to meet this growing demand.

## High-Speed Parcel Induction

Plus One Robotics' InductOne system represents a major breakthrough in automated parcel induction, leveraging more than 1 billion picks of production experience to deliver unmatched flexibility and productivity.

Surpassing the constraints of traditional single-arm parcel induction solutions, InductOne's innovative design delivers choreographed dual-arm motion which enables **industry-leading sustained rates of 2,200-2,300 picks/hour (peak rate: 3,300 picks/hour)**.

InductOne was engineered with a meticulous focus on minimizing footprint and weight to enable deployment in space-constrained areas, such as existing mezzanines. Its modular, configurable architecture enables seamless greenfield or brownfield integration without costly structural modifications.

Parcel variability is a major challenge that InductOne overcomes with its innovative individual cup control (ICC) gripper, which is capable of precisely handling a wide range of sizes and shapes. By avoiding mispicks and drops, the ICC gripper helps minimize cost per pick, further optimizing system efficiency.

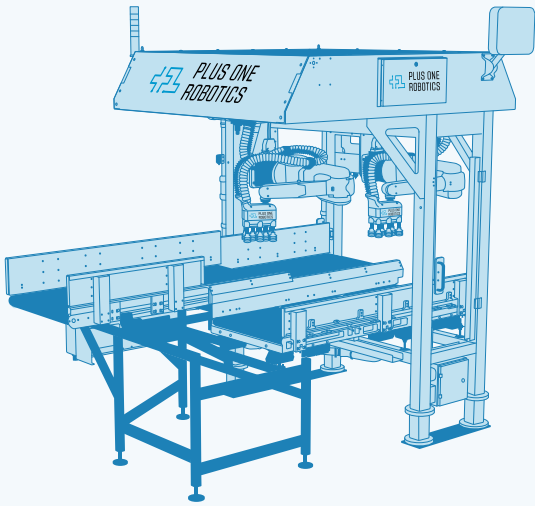
Passive exception handling is about more than just what InductOne picks, but also what it doesn't pick. The system avoids picking non-conveyable items, automatically conveying them to a designated path and preventing the robots from wasting cycles handling items that should not be inducted.

## What's Included

- PickOne AI-powered vision system
- Yonder™ human-in-the loop remote intervention software
- Robots, grippers, vacuum system and lighting
- Human-Machine Interface (HMI)
- Pick and place conveyors
- Safety controller and interlocks
- Installation supervision and commissioning
- Training
- Analytics Dashboard
- Ongoing support
- 6-sided Barcode Scan Tunnel

## Benefits

- Individually controlled suction cups for optimal control
- Non-conveyable item filtering and ejection
- Fastest robotic parcel induction on the market
- Brownfield-ready: low weight and minimal footprint allow for installation on existing mezzanines
- Remote intervention for higher uptime when exceptions arise
- Standardized, modular structure for faster deployment
- Configurable layouts for cross-belt or tray sorters



# Quick Deployment System

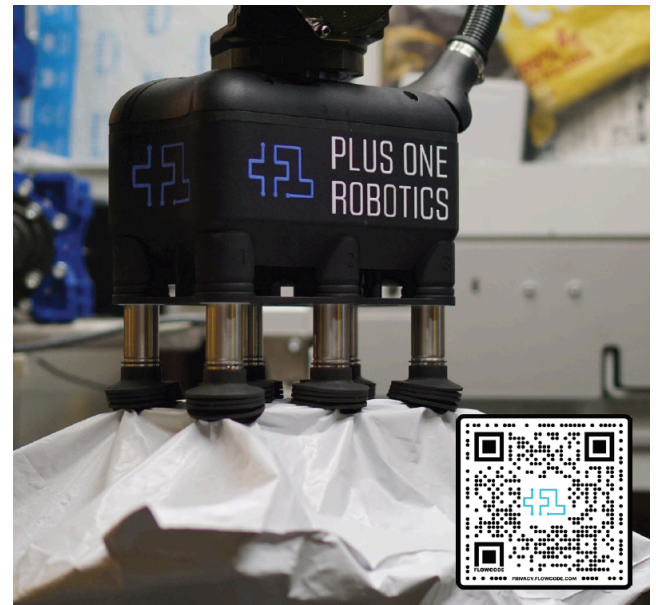
Plus One offers pre-engineered, dual-robot induction systems based on years of experience in parcel singulation across a wide variety of parcel types and flow requirements.

Standardizing these systems enables quick deployment and rapid performance gains for high-volume parcel sortation centers and e-commerce fulfillment and distribution centers. This standardized approach scales quickly as your requirements for increased automation grow.

With Yonder remote intervention software, InductOne learns from edge cases, all while maximizing your uptime. Since its launch, InductOne has been field-proven with multiple deployments during the peak holiday shipping season.

## Specs

<b>Max Throughput</b>	<b>Up to 3,300 PPH</b>
<b>Max. Parcel Weight</b>	15 lb. (6.8 kg)
<b>Max. Parcel Length</b>	27 in. (69 cm)
<b>Max. Parcel Width</b>	19 in. (48 cm)
<b>Max. Parcel Height</b>	17 in. (43 cm)
<b>Power Requirements</b>	480VAC, 3 Phase, 60Hz, 60A (North America) 400VAC, 3 Phase, 50 Hz, 60A (Europe)
<b>Pneumatic Requirements</b>	30 psi, 5 scfm (2.1 bar, 0.15 m <sup>3</sup> /min)
<b>Load Rating</b>	Less than 100 lbs/ft <sup>2</sup> (488 kg/m <sup>2</sup> )
<b>Sustained Throughput</b>	2,200 - 2,300 PPH



### Supported Item Types

Polybags (clear/opaque), Boxes, Shipping Envelopes, Padded Mailers, Paper Mailers, Apparel Items



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.