AmbiSort A-Series Solution Guide

AmbiSort A-Series Reinvigorates Your
Entire Sortation Process. See How.

Sort-to-Sack

AI-powered robotic small parcel sorting system

Effortless to integrate. Easy to scale.

Fast to start

10,000x faster training means that AmbiSort systems can pick up anything from day one.

Fits what you have

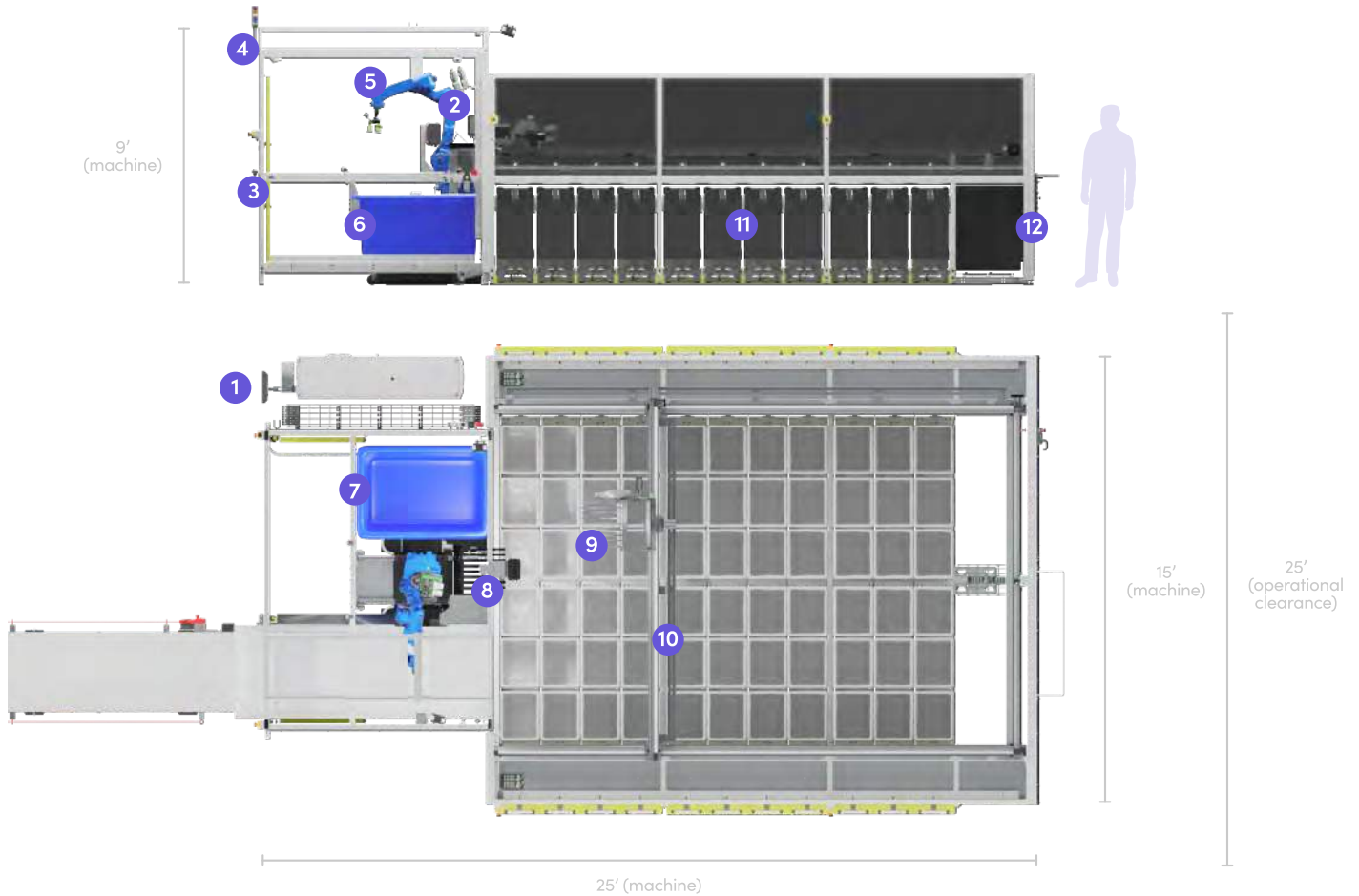Our modular, flexible systems require no modification of existing infrastructure.

Optimize operations

Increase volume of existing clients by 50%, while allowing people to focus on exciting and engaging work.

Improve accuracy

Experience accuracy and uptime >99% in your current parcel stream: boxes, poly bags, padded mailers, and more.

Unlock efficiency

Analytics allow real-time view of facility performance to help identify how operations can be improved.

Product Specifications

+500 — items sorted per hour

>99% — order accuracy

>99% — uptime capability

ANSI — safety compliant*
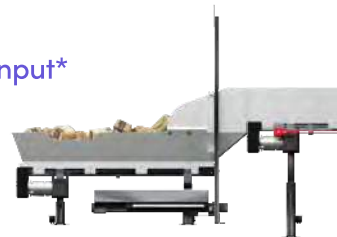
*American National Standards Institute (ANSI) R15.06

MACHINE COMPONENTS

1. Human machine interface (HMI)
2. 4x Barcode Scanner
3. Control button
4. Stack light
5. Robot arm
6. Input bin/conveyor*
7. Reject bin
8. Buffer
9. Dumper
10. Gantry
11. Bag cart
12. Operator access gate

6. Select your input*

Rolling bin   Automated conveyor

How It Works

1 Identify & Grasp

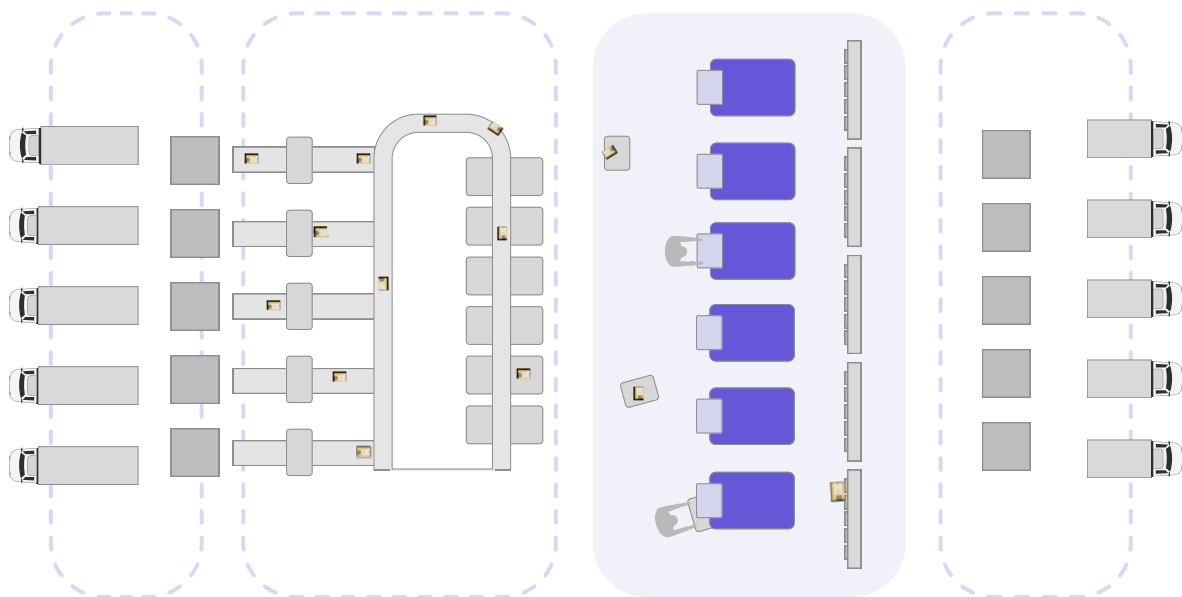**2** Scan & Quality Control

3 Transfer to gantry & Drop into sack

4 Mailsack Replacement

AmbiSort in the warehouse

Modular design allows for seamless integration in your unique sorting workflow

Receiving → Primary Sortation → Secondary Sortation → Shipping

Now That You Know AmbiSort
Get To Know Ambi Robotics

Ambi Robotics combines hardware and software for automated sorting solutions like AmbiSort A-Series. Powered by AmbiOS and Sim2Real AI, solutions seamlessly integrate modular components to power unique configuration. Optimize warehouse efficiency and safety in high-speed parcel sorting operations, by unlocking new levels of robotic dexterity.

Are you ready to handle more?

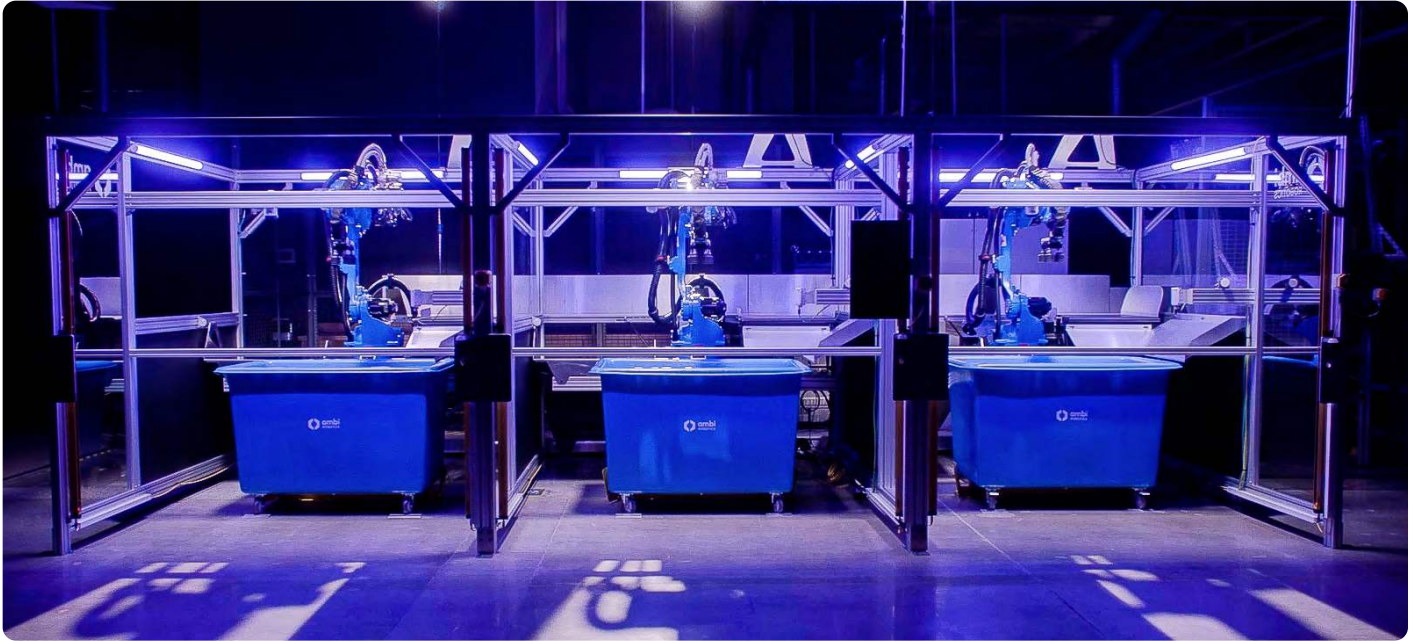**Configure your AmbiSort A-Series today →**

AmbiSort B-Series Solution Guide

AmbiSort B-Series Reinvigorates Your
Entire Sortation Process. See How.

Sort-to-Gaylord

AI-powered modular parcel induction and sorting system

A sorting solution built for more

More flexibility

Customizable to your unique workflow and adapts to your diverse needs.

More speed

Boost your productivity and accelerate your sorting operations with unmatched efficiency.

More uptime

Maximize your operational continuity with around-the-clock, reliable performance.

More accuracy

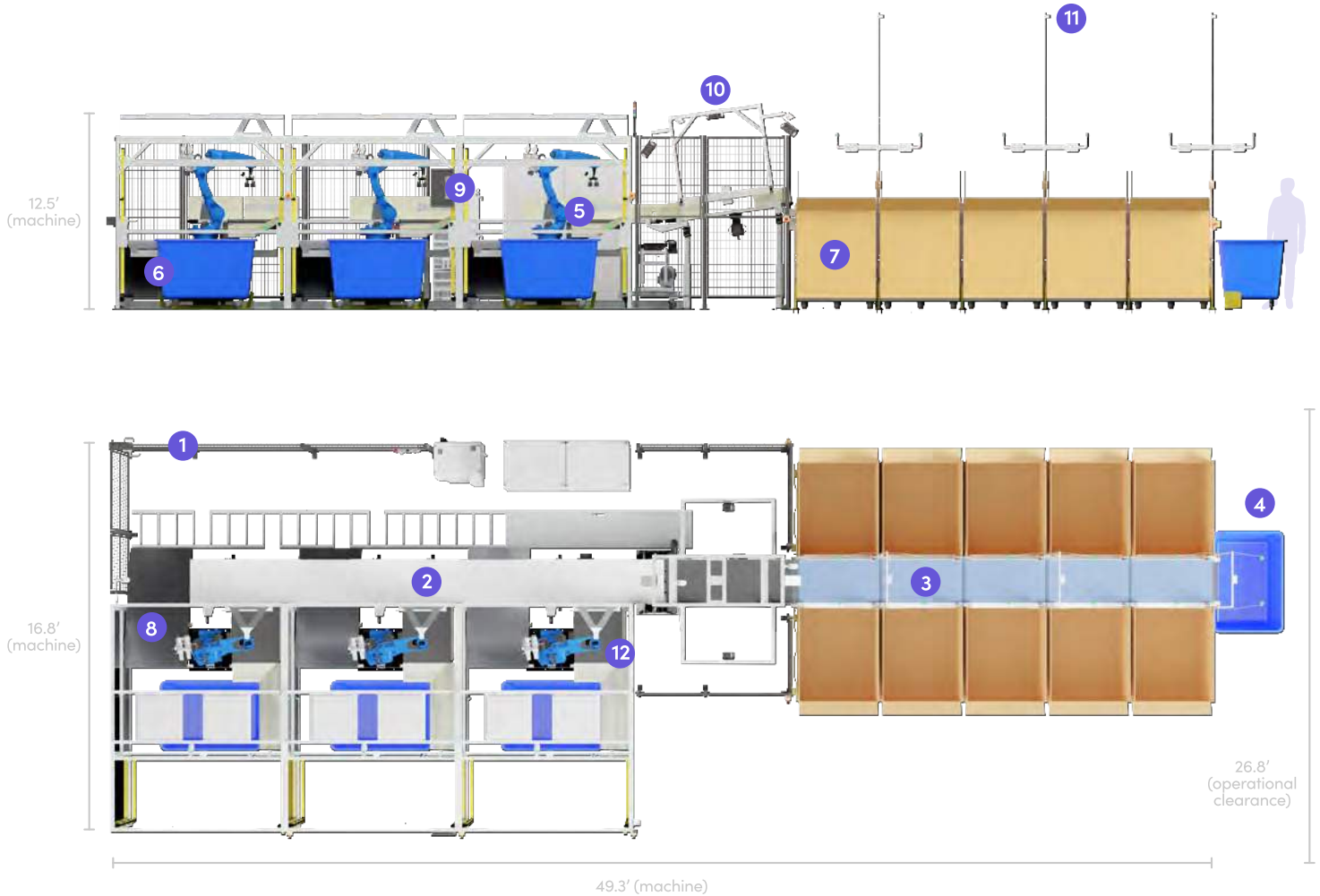Achieve precise order accuracy and minimize your returns.

More safety

Prioritize the well-being of your workers with built-in safety features.

Product Specifications

12.5′
(machine)

16.8′
(machine)

26.8′
(operational
clearance)

49.3′ (machine)

+1,200
items sorted
per hour

>96%
of in-size parcels
sortable

>99%
sorted to correct
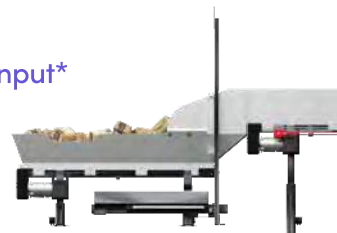outputs

>99%
of desired uptime

This data is based on three induction cell configuration*

MACHINE COMPONENTS

1. Operator access gate
2. Central conveyor
3. ModSort® modules
4. Exceptions bin
5. Buffer
6. Input bin/conveyor*
7. Gaylords
8. Oversized reject chute

9. Human machine interface (HMI)
10. 6-sided scan tunnel
11. Depth cameras for gaylord fill level
12. Quality control zone

3 Select your input*

Rolling bin   Automated conveyor

How It Works

1 Plan & Identify
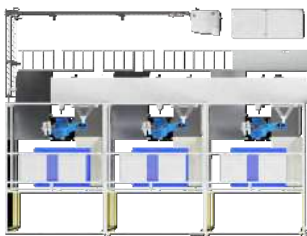
2 Grasp & Induct

3 Convey & Scan
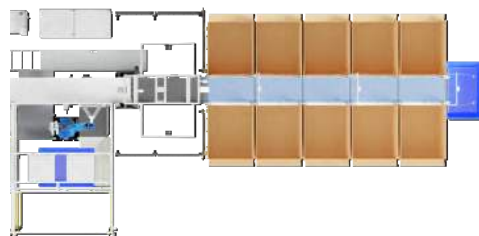
4 Sort to gaylord

Configurable at its core

Modular design allows for system configuration specific to your exact process

1 Induction cell

Automated induction from deep bin or conveyor

2 In line with robotic induction

Singulated stream is augmented with robotic induction

3 Vision-based sortation

Camera based tracking of sorted items allows for straight forward expansion of upstream sorters
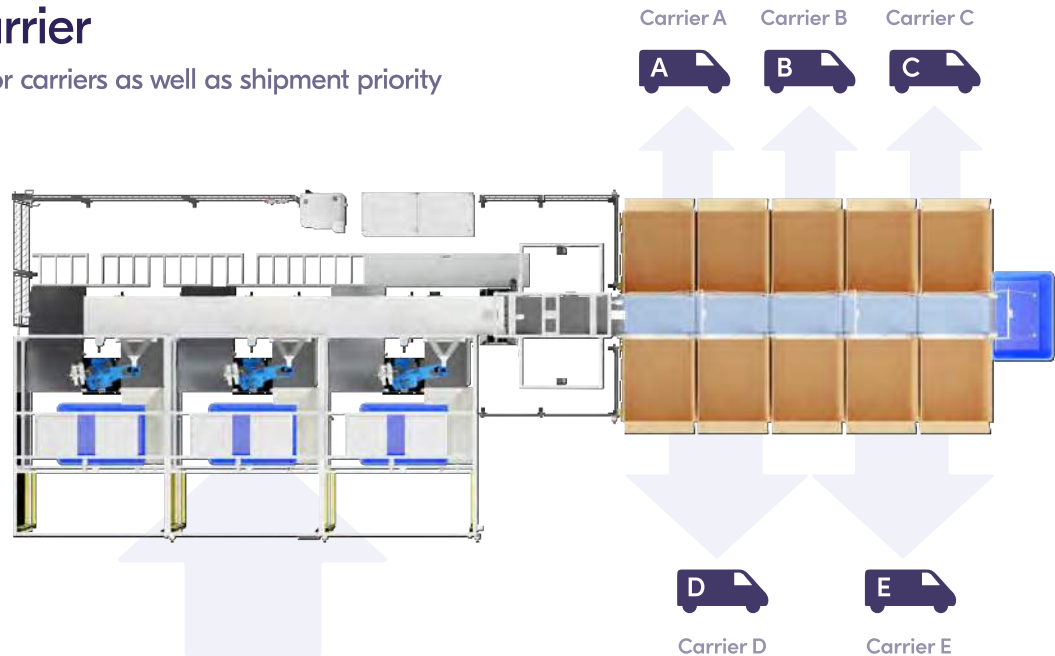
Application Use-Cases

Automated induction, reverse logistics, sort to carrier, zone skipping, sorter expansion, modular inter facility sortation, final-mile sortation and more
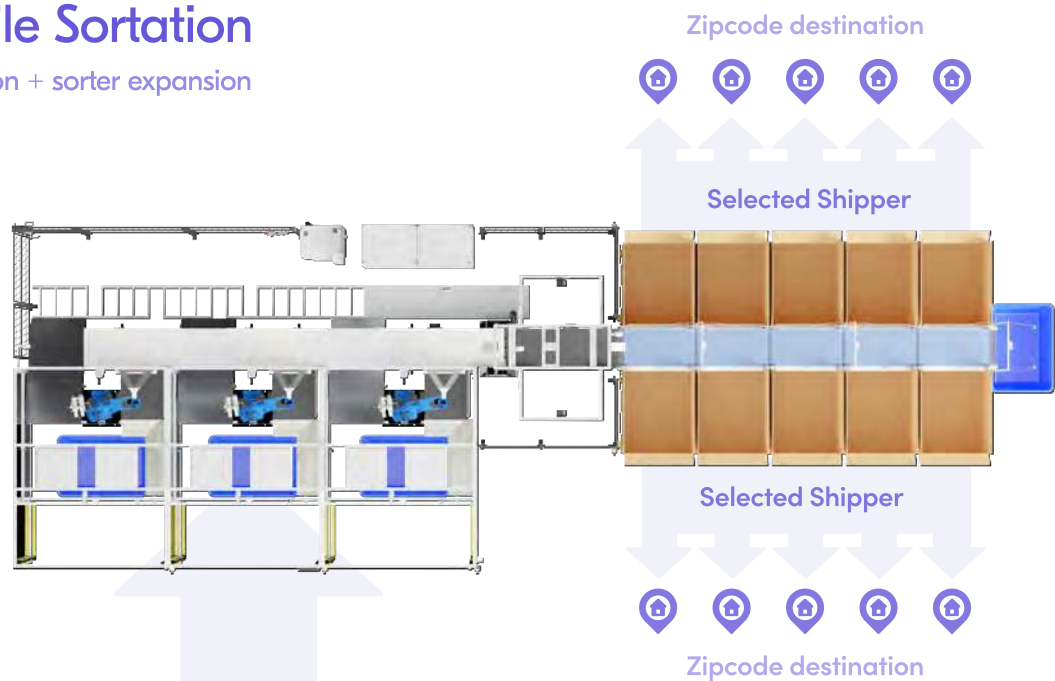
Sort-to-Carrier

Sort between major carriers as well as shipment priority

Carrier A Carrier B Carrier C

A B C

D E

Carrier D Carrier E

Middle-Mile Sortation

Interfacility sortation + sorter expansion

Zipcode destination

Selected Shipper

Selected Shipper

Zipcode destination

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