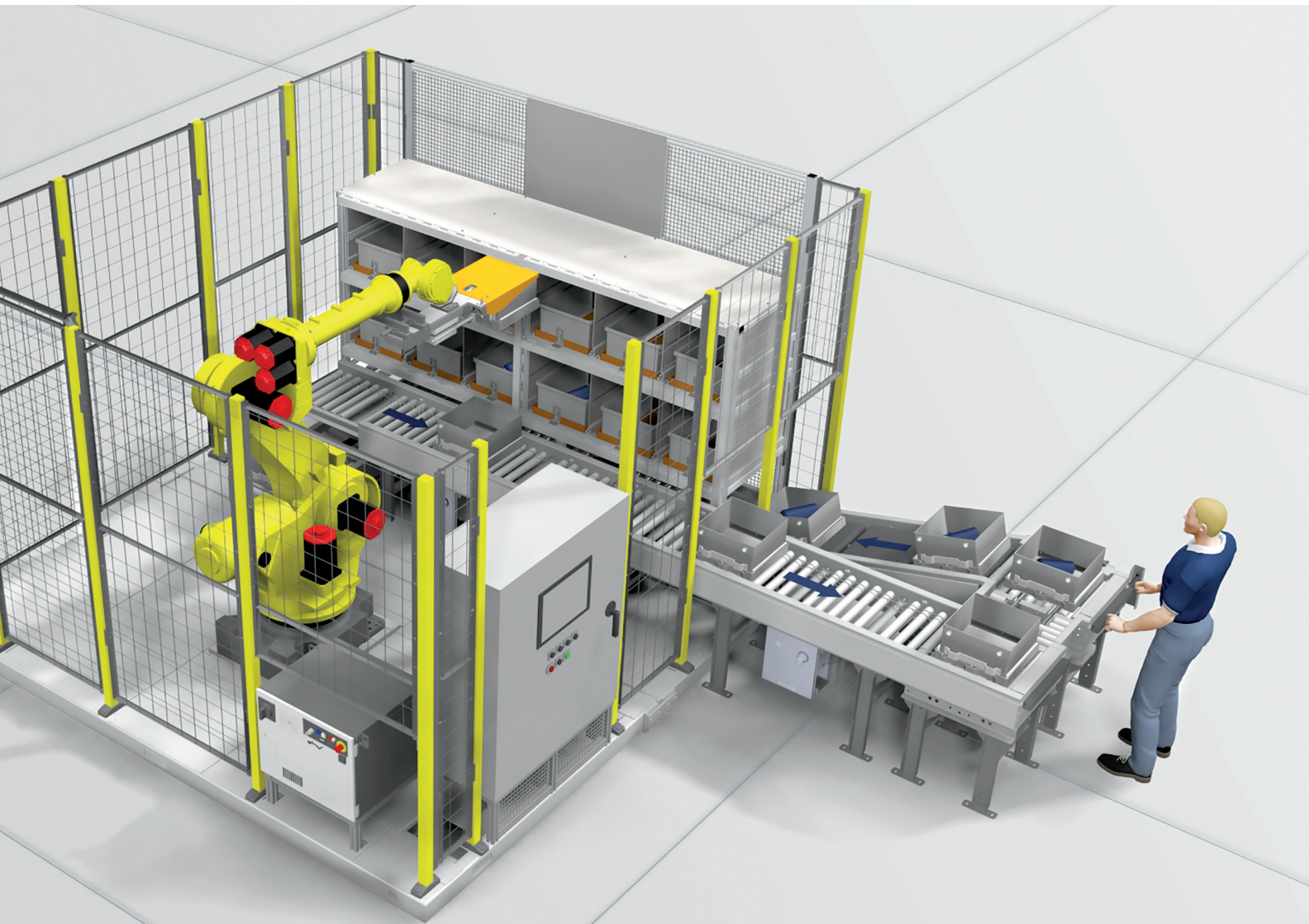


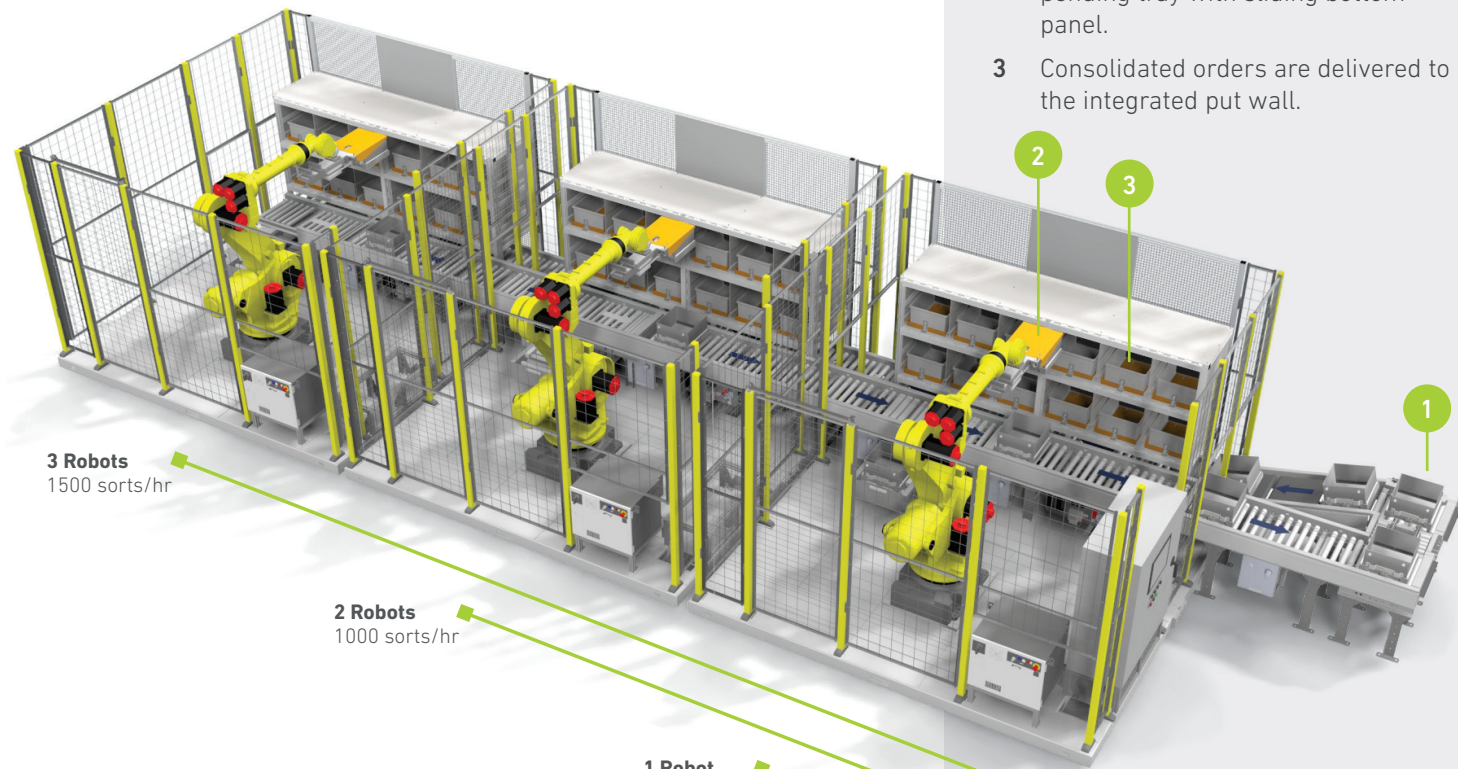
# RFSS Robotic Sortation System



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## Smart, flexible sortation.

Replace miles of conveyance and take back thousands of square feet of fulfillment floor space with JR Automation's RFSS Robotic Sortation System. This compact, modular sorter is capable of handling items of any shape—making it the perfect solution for any industry.



**3 Robots**  
1500 sorts/hr

**2 Robots**  
1000 sorts/hr

**1 Robot**  
500 sorts/hr

## ELIMINATE DOWNTIME

With 2- and 3-cell configurations, each cell can be serviced while others remain in full operation, virtually eliminating downtime.

## A remarkably small footprint for product fulfillment.

Reduce facility costs while maintaining the same level of output with approximately half the footprint of other sortation systems.

*Diagram to the right is for illustration purposes only.*

## SIMPLE OPERATION

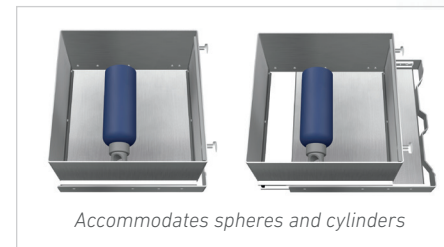
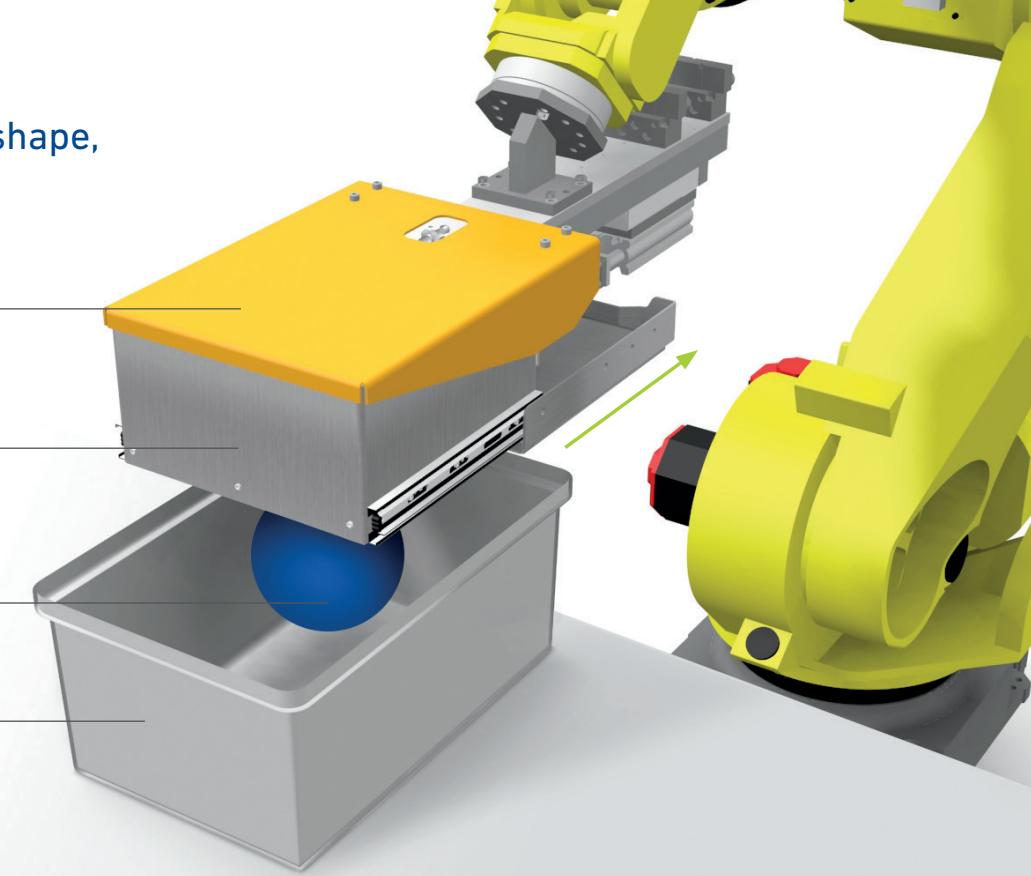
- 1 Operator singulates product picked from high density storage into RFSS trays.
- 2 RFSS does the rest with gravity-driven sortation through a patent-pending tray with sliding bottom panel.
- 3 Consolidated orders are delivered to the integrated put wall.

## SAMPLE FOOTPRINT COMPARISON

<p><b>Common Sortation System</b> ~25,000 ft<sup>2</sup> ~10,500 sorts/hr</p>
<p><b>7 RFSS 3-Cell Systems</b> ~12,500 ft<sup>2</sup> ~10,500 sorts/hr</p>

## Easily sort products of any shape, size, and thickness.

- End-of-arm tooling
- Patent-pending RFSS tray with sliding bottom panel
- Sorted product
- Sortation bin



## RFSS TRAYS PROVIDE UNRIVALED FLEXIBILITY

Key to the RFSS approach, trays feature a bottom panel that slides open when placed over a sort location. Product, regardless of its shape, then gently falls into any of a wide variety of container options.



## ERGONOMIC PUT WALL

Each sort location functions independently, allowing simultaneous robotic sorting and operator unloading.

Ergonomic sort locations

LED indicators signal operator to begin unload sequence

## MACHINE SPECS

Length (Primary Cell) 216"

Additional Length per Cell 140"

Cell Width 156"

Cell Height 97"

Weight 5000 lbs

Max Robot Payload 165 kg

Pick & Place Time 7.2 sec/robot

Conveyor Speed 60 fpm

### Induct Time

1 Robot 7.2 sec

2 Robots 3.6 sec

3 Robots 2.4 sec

### Tray Dimensions

Height 8.5"

Width 15"

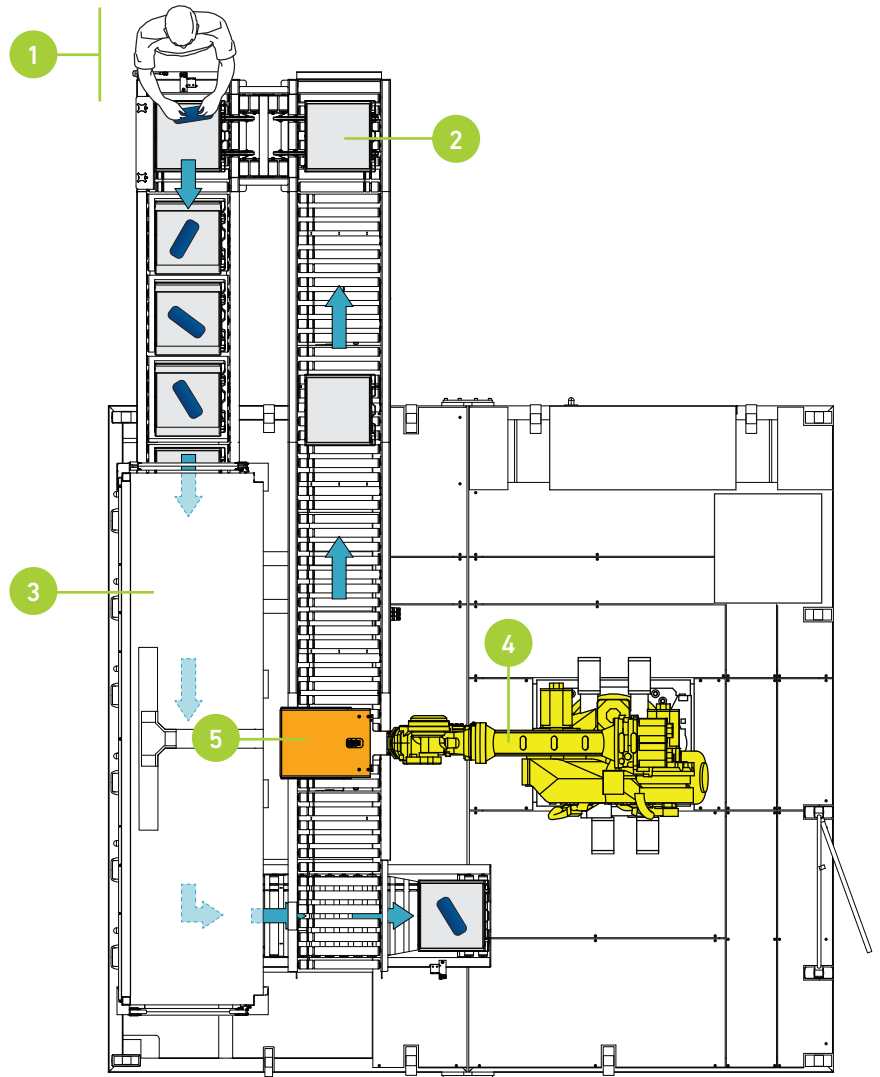
Length 15"

Weight with Product 22.6 kg

### Power Requirements

Pneumatic 4 SCFM @ 80 psi

Electrical 15 A @ 480 VAC, 3-Phase



Top Down View

- 1 Operator Singulation Station
- 2 RFSS Trays with Sliding Bottom
- 3 Ergonomic Put Wall
- 4 Robot
- 5 End-of-Arm Tooling

Start building your custom solution today.  
Email us: [solutions@jrautomation.com](mailto:solutions@jrautomation.com)