Intralox DARB™ Sorter S4500

The next generation DARB sorter comes equipped with the newest addition to Intralox’s Activated Roller Belt™ (ARB™) technology line, the Series 4500 Dual-Stacked Activated Roller Belt™ (DARB™). It retains all capabilities of DARB Sorter S400 while improving durability, smooth product handling, and improved compliance with prevailing safety standards.

**IDEAL SOLUTION FOR:**
- High-rate sorting at 90° with tight divert spacing
- Feeding multiple palletizers
- Sorting into accumulation lines (such as mixed pallet building operations)
- Carton sequencing
- Single 90° divert (reject) stations
- When changing carton orientation during high-rate sorting

**KEY BENEFITS**
- Highest throughput for 90 degree sorting in its price range
- Smallest divert spacing
- Products handled smoothly and gently; no-touch system preserves product quality
- Increased robustness and safety due to application of the new raised rib belt surface and no moving parts outside of belt
- Only 1 drive per sorter, regardless of number of diverts
- Significant increase in critical components lifetime
EQUIPMENT CAPABILITIES

| Throughput                                                                 | • Up to 230 products/minute with a product dimension of 4 in. x 4 in. (100 mm x 100 mm)  
|                                                                          | • Up to 95 products/minute with a product dimension of 12 in. x 16 in. (304 mm x 407 mm) |
| Product Bottom Surface                                                   | Flat, smooth bottom surfaces are best; other products could be subject to testing |
| Product Dimensions                                                       | Minimum: 4 in. x 4 in. (100 mm x 100 mm)  
|                                                                          | Maximum: No restrictions  
|                                                                          | Weight: No restrictions |
| Minimum Product Gapping                                                 | Widest product width +4 in. (100 mm) |
| Divert Spacing                                                           | As small as the product length plus 4 in. (100 mm) |
| Available Configurations                                                | • Uni-directional (left or right)  
|                                                                          | • Single or multiple exits  
|                                                                          | • Washdown stainless steel or painted carbon steel  
|                                                                          | • Reject diverting or continuous sorting  
|                                                                          | • Metric or imperial |

WORKING PRINCIPLE

The DARB Sorter S4500 is designed to sort, sequence, and divert products at a 90-degree angle to the belt's direction of travel without the use of rails or other devices that touch the product. It has pneumatic activated divert zone(s) with patented Dual-Stacked Angled Roller Belt (DARB) technology. Once this zone is activated, the product moves sideways.

When Intralox ARB™ equipment solutions are applied to a full line layout they can enable radical improvements of layout concepts that are not possible with traditional technology.

Consult Intralox at the start of your next project.