

**TRISORTER**  
Continues Product  
Sorting

# Continues Product Sorting - TRISORTER



The TRI-SORTER is a cost-effective innovation in sorting and distributing. Its unique mechanics allows a precise distribution of various light weight packings even at variable speeds.

This high-performance system easily integrates, offering significant savings on operating costs and compatibility with a wide range of formats, substantially boosting your production line efficiency.

# Features

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- Advanced servo technology for reduced operating costs
- High accuracy and standing rejections
- Excellent performance at variable production speeds
- Easy integration with existing production lines
- For lighter products up to 1 kg
- Minimal wearing costs
- Long maintenance cycles
- Minimal maintenance efforts



# Benefits

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## Cost-Effective

Significantly reduces operational costs while ensuring accurate distribution of packings.

## High Performance

With a capacity of 18,000 b/h and a top conveyor speed of 2.0 m/s, the TRI-SORTER handles high-demand sorting tasks effortlessly.

## Precision Sorting

Utilizes a 120° movement mechanism to escort each object gently and accurately to the desired location, even at varying speeds.



# Application

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Wide range of container formats:

- **Cookies:** Packaged in plastic trays or flexible packaging.
- **Jars:** Small jars of jams, jellies, or spreads.
- **Canned Goods:** Such as canned vegetables, fruits or small canned beverages.
- **Bottles:** Small bottles of sauces, dressings, or beverages.
- **Boxes:** Small boxes of cereals, grains, or snacks.
- **Pouches:** Sealed pouches of dry food, snacks, or small liquid packets.
- **Tubes:** Tubes of condiments, creams, or pastes.
- **Capsules:** Plastic or metal capsules containing small items or ingredients.
- **Blister Packs:** Housing tablets, capsules, or small confectionery items.
- **Trays:** Plastic or cardboard trays holding bakery or dairy products.
- **Cardboard boxes** in logistic centers

# Benefits

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## Easy Integration

Seamlessly integrates with BBULL Inspection systems and central control PCs, allowing for straightforward operation and analysis.

## Versatile Container Handling

Adapts to a wide range of container formats, making it a flexible addition to your production line.

## Operational Savings

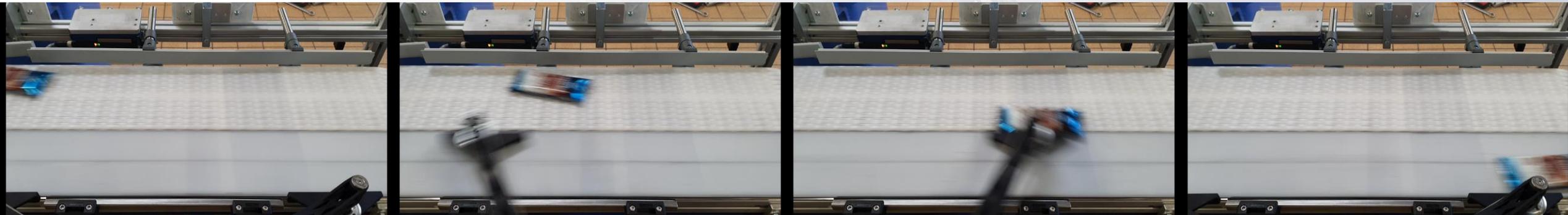
Its smart automatic parameter adjustment and minimal spacing assurance lead to fewer disruptions and more savings over time.



# Process

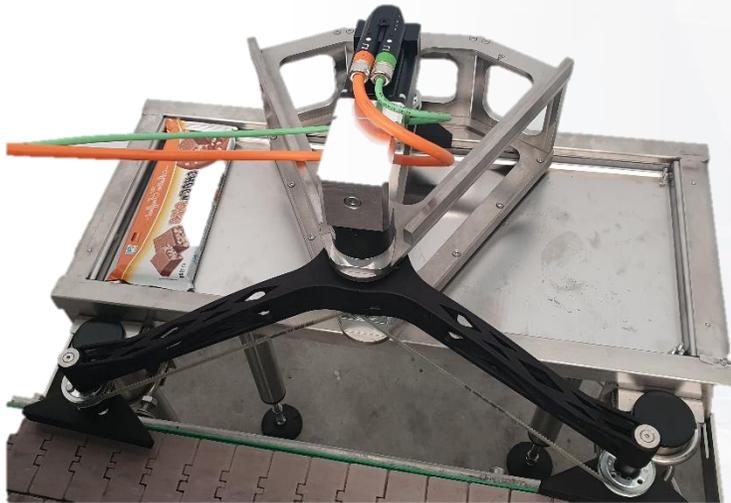
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1. Objects to be sorted reach the TRI-SORTER's sorting point on the conveyor.
2. TRI-SORTER calculates the necessary  $120^\circ$  rotational motion to guide the object off the conveyor, based on its speed.
3. The object's trajectory is gently altered, redirecting it towards the designated reject lane or bin.
4. Despite varying conveyor speeds, TRI-SORTER ensures a smooth transition for each object to the rejection area.
5. High sorting rates are managed efficiently without disrupting the ongoing production process.



# Specifications

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## TRISORTER

- up to **18,000** containers per hour
- Max. weight of objects Objects 1 kg
- Max. displacement 145mm
- Supply voltage [V AC] 100-240 VAC
- Max. power consumption [VA] 650
- Control voltage [V DC] 24 / 48 / 72V
- Ambient temperature [°C] 10-40
- Humidity max. [%] 80
- Protection class IP 54
- Noise emission 1m distance [db] 78
- Protection class I

# Warranty & Support

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Our systems come with a comprehensive warranty and dedicated after-sales support services to ensure customer satisfaction and peace of mind.

- Contact us for more information on warranty coverage and available support services.



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## **Take the Next Step! Request Further Information Today**

Contact us to learn more about our system and how it can help your business succeed. Our team of experts is ready to answer any questions and provide you with a personalized solution.

Don't wait, make a call or send an email today and learn about the difference our system can make!

