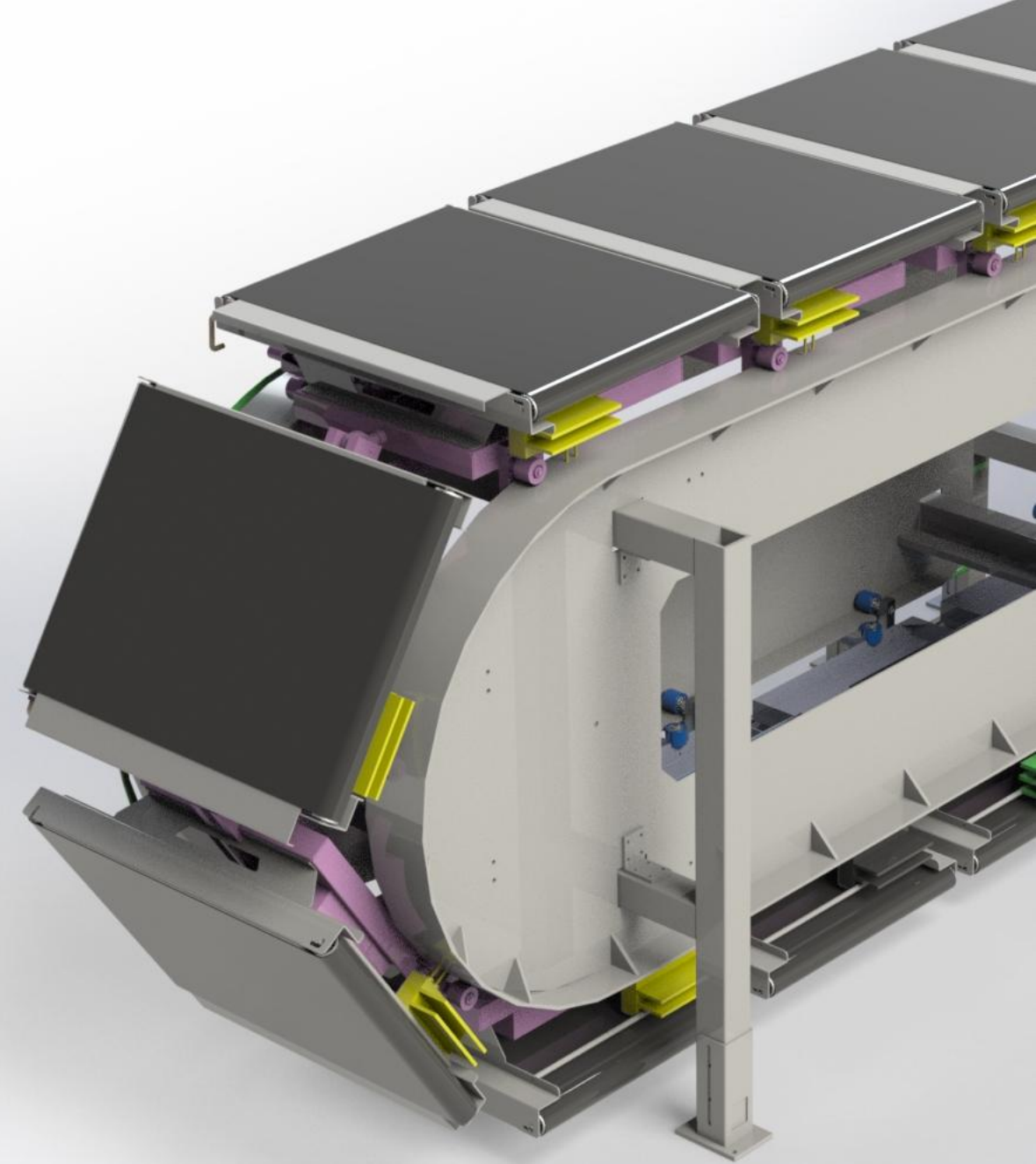




Vertical Cross Belt



Agenda



01 Evolution & Sneak Peek: The New Design Unveiled

Discover the transformation of our system and get an exclusive look at the latest design enhancements.

02 Key Technical Insights: Essential Data at a Glance

A concise overview of the main technical specifications that drive performance and efficiency

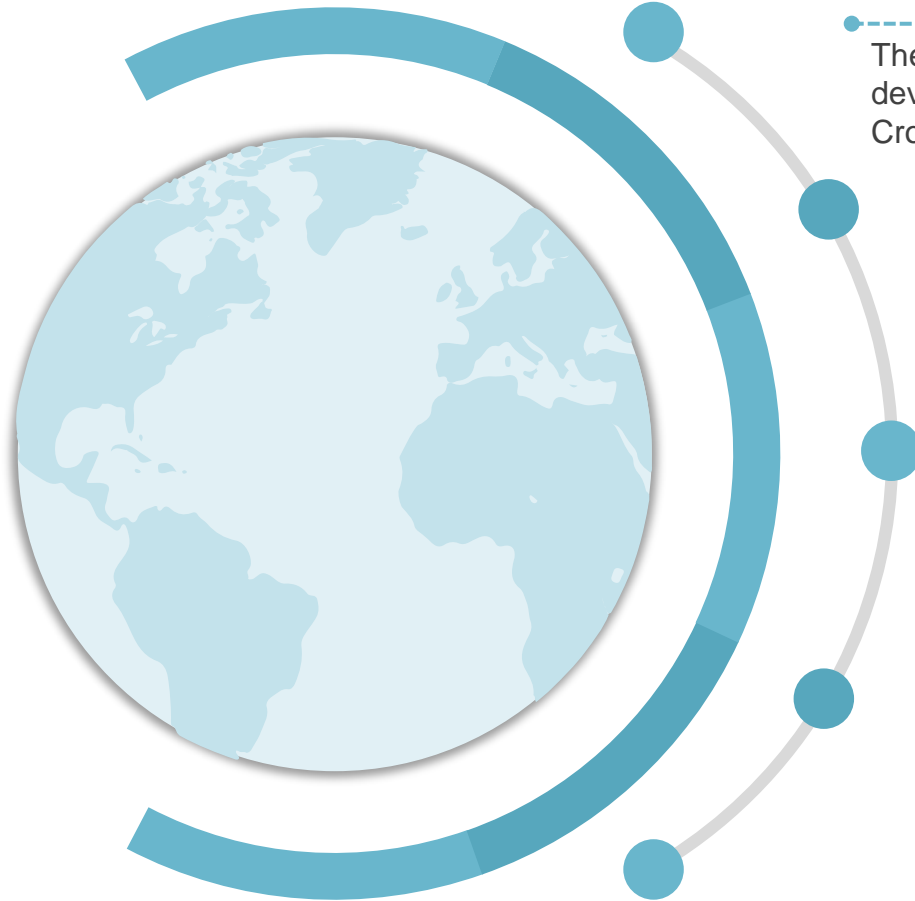
03 Sorter Technology: Unlocking Game-Changing Benefits

Explore how our advanced sorter technology optimizes operations, enhances accuracy, and boosts productivity.

04 Vertical Cross Belt: Innovation in Motion

Learn about the key features of the vertical cross belt system and its impact on sorting process.

Vertical Cross Belt



From Horizontal to Vertical

The new Vertical CrossBelt project builds on the expertise we've developed since 2018 through our production of the Horizontal CrossBelt

Technology Improvement

The new system now features cutting-edge technology and a lighter design, paving the way for future performance speed enhancements

No sensitive electronics, no complex control systems, and no need for specialized electricians for installation or maintenance

Precision Perfected: Advanced Tracking & Sorting

The Vertical Cross Belt system delivers exceptional item tracking and superior sorting precision. Leveraging state-of-the-art sensors and intelligent algorithms, it continuously monitors and accurately positions each item, ensuring every package is sorted correctly—even in high-speed production environments. This advanced technology enhances operational efficiency, minimizes errors, and integrates seamlessly into any sorting workflow.

Cross Belt

Case Study

Our Customers Speak for Us

Case Study: Antony Morato Installation

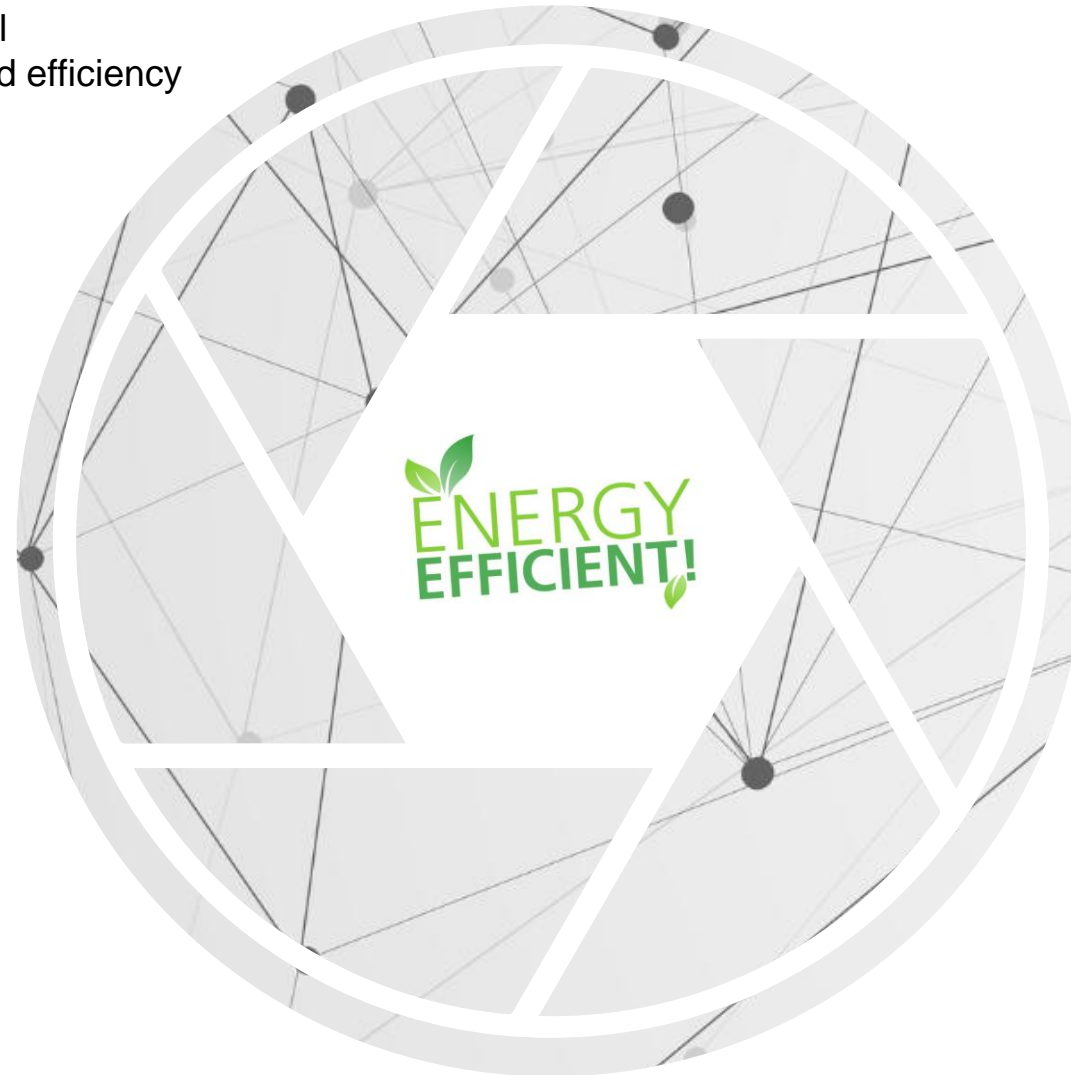
Antony Morato, an esteemed Italian fashion company with a global presence, recently integrated our CrossBelt system at its distribution center near Paicenza, Italy. This installation underscores our commitment to delivering high-performance, reliable solutions that meet the dynamic needs of leading international brands.

Customer LinkedIn post:

https://www.linkedin.com/posts/antony-morato_antonymorato-activity-7087709548311900160-k7Ov?utm_source=share&utm_medium=member_desktop

Key Technical Insights

A concise overview of the main technical specifications that drive performance and efficiency



- ✓ Optimized Footprint
- ✓ Highly Versatile Sorting System
- ✓ Modular and Scalable Design
- ✓ Enhanced Ergonomics
- ✓ Low-Noise Operation
- ✓ Uninterrupted Production (Even in Case of Carrier Failure)
- ✓ Plug-and-Play Carrier Replacement
- ✓ Lower Maintenance Costs
- ✓ Remote Service and Support
- ✓ Advanced IoT Capabilities

"Maximizing Efficiency, Minimizing Energy: The Future of Sustainable Power"

- ✓ Reduced Energy Consumption – Up to 50% Savings Compared to Linear Motors
- ✓ New Low-Maintenance, High-Efficiency Device
- ✓ Optimized Design and Advanced Sorting Algorithms for Lower Energy Usage
- ✓ Enhancing Sustainability While Maximizing Cost Efficiency

Technical Data



Vertical Crossbelt: Adaptation for Any Package

Eliminate sorting complexities with a system that automatically adapts to each load. From elongated parcels to compact items, our vertical crossbelt ensures worry-free operation and maximized efficiency.

Suitable for Handling:

Cartons, packages, maxi letters, packaged food, catalog goods, padded envelopes, multimedia products, garments, fashion packages, etc.

•Item Dimensions:

- **Min (L x W x H):** 100 x 100 x 5 mm
- **Max (L x W x H):** 600 x 800 x 500 mm

•Item Weight:

- **Min:** 100 g
- **Max:** 25 kg

•Double Carrier Capacity:

- **Max (L x W x H):** 1200 x 800 x 800 mm
- **Weight Capacity:** Up to 50 kg

•Linear Speed:

- 2.2 m/sec – Up to 10,000 crr/h
- Adjustable speed regulation via touch panel

•Reading Technology:

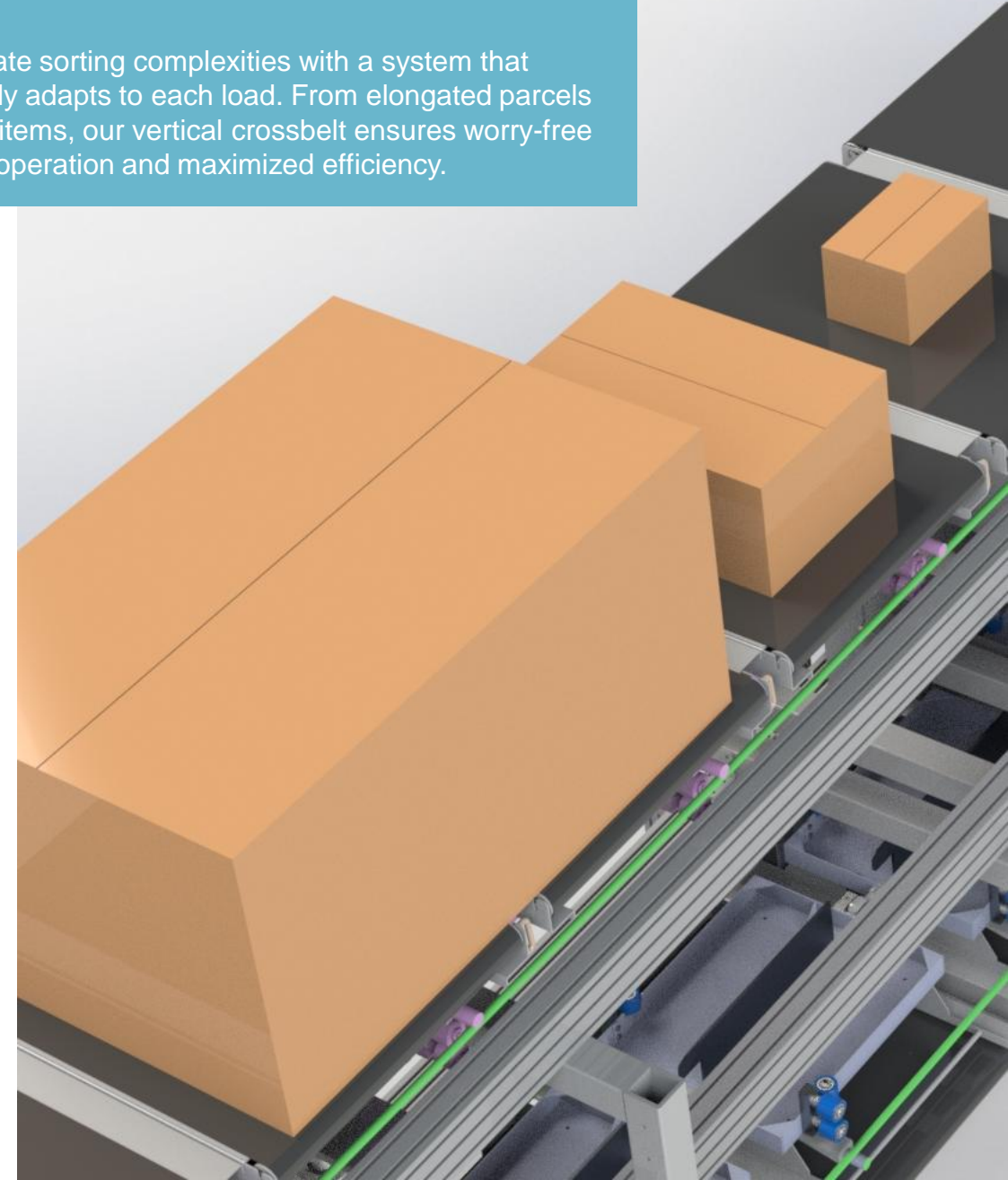
- BCD, OCR, D2, QR Code, 3D Volumetric Detection, Weight Scale Detection

•Modularity:

- Scalable design for flexible system expansion

•Operation:

- Intuitive interface with **MARV Sortation Manager**



Main Features

P

- **Energy Transfer and Storage**

Our system features a cutting-edge contactless energy transfer mechanism seamlessly integrated with an intelligent energy storage solution.

- **Wireless Power Transfer:**

Utilizing advanced SEW technology, power is transmitted directly to carriers without physical connections.

- **Smart Energy Storage:**

Energy is efficiently captured and stored in a Super Capacitor, maximizing energy savings and overall efficiency.

W

- **Dynamic software**

Automatically adjusts item loading based on size, strategically placing them on one or two centrally positioned carriers.

- **Industrial WiFi**

transmission paired with Siemens 'Rcoax'; this solution delivers the fastest and most secure communication on the market

Marv
AUTOMATION

E

- **Cost Efficiency**

Experience a system that delivers exceptional economic value while operating efficiently, even at lower throughputs.

- **Low Maintenance & Installation Costs:**

Benefit from reduced upkeep and minimal training expenses thanks to our intuitive plug-and-play technology.

- **Flexible & Scalable:**

Easily adapt to future growth with a design engineered for flexibility and seamless scalability.

L

- **Top Loading**

The system precisely and gently positions a wide range of items—from boxes to polybags—while accommodating significant variability in dimensions and weight.

- **Side Loading**

An integrated strip-merge with the conveyor system enables side loading. Note: This option is available only for single carrier configurations and is not applicable when handling long items.