

# CRISPLANT® LOOP SORTATION SOLUTIONS



**I**ntelligrated®

## Crisplant Loop Sortation Solutions

Crisplant tilt-tray and cross-belt sortation products are critical components of today's most sophisticated and high-volume distribution centers, hubs and fulfillment operations.

Intelligrated has one of the widest ranges of proven sortation products in the industry, allowing us to offer the best possible solution for any given customer requirement. With a full family of line and loop sorters, as well as extensive knowledge and experience in all material handling applications, Intelligrated completes a full analysis of every project and develops several sortation solutions. This methodology empowers our clients to make the decision that best fits their specific operation.

Crisplant loop sortation products from Intelligrated are the industry's most reliable solution for high-capacity, high-speed sorting environments. Both tilt-tray and cross-belt technologies are ideal for use in applications with a wide variety of product sizes and shapes with a demand for high-speed, accurate sortation.

Some of the most common industries that employ loop sortation solutions include:

- Postal
- Parcel
- Direct to Consumer
- Pharmaceutical
- Retail
- Jewelry
- Publishing
- CDs, DVDs, and Other Media
- Health and Beauty
- Apparel and Footwear



## Intelligrated Sortation Software and Controls

Intelligrated sortation solutions are powered by proven and reliable software and controls designed to maximize loop sortation operations. With a wide range of features for parcel shipping, direct to consumer batch picking and sorting, or fulfillment consolidation sortation, Intelligrated's sortation control software is designed to maximize sortation utilization and accuracy. To ensure the success of every customer's project, Intelligrated emulates every loop sorter machine control system in house prior to implementation. Intelligrated loop sortation solutions integrate with host systems for real-time decision making and provide tools for ease of maintenance, remote diagnostics, statistical collection and reporting, real-time system graphical status via Human Machine Interface (HMI), and historical trending to keep your system running at peak performance levels.

## Additional Products and Services

All Crisplant loop sortation products can be used as a stand alone sortation solution or integrated into a full material handling system by Intelligrated or a system integrator. Please contact us to learn more about the options available.

Intelligrated's sortation portfolio also includes a family of line sortation solutions. Please contact us to to discuss which sortation solutions will fit your requirements.

## Crisplant Tilt-Tray Sorters

### Ultra high-speed, high-volume, whisper-quiet sortation

Intelligrated's quiet, durable, low-maintenance Crisplant tilt-tray sorters are engineered for critical high-capacity, high-speed sorting applications such as parcel, postal and order fulfillment operations. Intelligrated's single and double tray tilt-tray sorters sort a wide variety of items ranging from the most ultra-light, fragile, conventional, and irregular-shaped products to heavier-weight bags, apparel, packages or cartons — ensuring the fastest delivery, shipping accuracy and improved inventory management. Intelligrated loop sortation solutions are capable of sorting more than 40,000 items per hour and inherently require a smaller footprint than most conventional sortation methodologies.



### Features of the Crisplant LS-4000E Single Tray Tilt-Tray Sorters

- Single tray design used for high-speed, accurate sortation
- High-capacity – Up to 590 feet per minute
- Low-noise – No more than 65 decibels
- Banking in curves maintain orientation and position of the product on the tray
- Wide selection of induction units and chute designs
- Modular design for flexible layout
- Space-saving design
- Linear synchronous motor technology provides up to 75% energy savings
- Flexible – One large item can span multiple trays



### Features of the Crisplant S-3000DT Double Tray Tilt-Tray Sorters

- Two independently controlled trays per cart allows for much higher throughput than the single tray design
- Wide assortment of induction and chute designs
- Low-noise – No more than 67 decibels
- Modular design reduces commissioning and installation time
- Non-contacting linear drive eliminates wear on drive system
- Durable tilt divert switch design minimizes downtime
- Intelligrated has more double tray sorter installations than all competitors combined



## Crisplant Cross-Belt Sorters

### High-speed sortation of fragile and high-friction items

The Intelligrated family of low-maintenance, low-noise, multi- or single-cell Crisplant cross-belt sorters are designed to transport and sort items that present difficulties during traditional sortation, such as fragile or high-friction items, as well as to accommodate a wide mix of package types and shapes. The family includes cross-belt sorters for sorting large- and medium-sized items including apparel, parcels, letters, flats, and totes, and compact cross-belt sorters perfect for sorting smaller items such as magazines, books, CDs and DVDs. Similar to the Crisplant LS-3000DT double tray sorter, a cross-belt sorter has the ability to transport and sort two items per carrier.

### Features of the Crisplant LS-4000CB Cross-Belt Sorter:

- High-speed sortation of fragile and high friction items
- Handling flexibility — from multiple small items on one carrier with two belt units to longer items on a one belt unit (up to 55 inches)
- Wide selection of induction units and chute designs
- Modular space-saving design
- Linear synchronous motor technology provides up to 75% energy savings



## Inductions and Chutes

The types of inductions and chutes integrated into a loop sortation solution can be one of the differentiating success factors in the overall system design. Intelligrated has the experience and knowledge to evaluate your specific application and choose the appropriate induction and chute design for your operation. Or, if your application requires a customized solution, our team of loop sortation engineers will work with you and your team to develop, test and apply a specific design for your needs.



## Crisplant Installations

- Over 1,100 loop sorter installations worldwide
- Over 350 loop sorter installations in the Americas
- Over 200 miles of sorter track installed worldwide
- Over 3,500 automatic induction units installed worldwide
- Over 350 in motion scales installed
- Over 75,000 chutes installed worldwide

Intelligrated has the resources to find the best fit for optimal sorter accuracy and performance.



Intelligrated is the industry leader in automated, high-speed, high-throughput sortation solutions, capable of handling the highest volumes in the industry. With decades of experience and innovative products, Intelligrated sortation equipment is a critical component of today's most sophisticated and high-throughput automated material handling systems.



## About Intelligrated

Intelligrated is a leading American-owned, single-point provider of automated material handling solutions with operations in the U.S., Canada and Mexico. Headquartered in Cincinnati, Intelligrated designs, manufactures and installs complete material handling automation solutions, including IntelliSort® line sortation systems, Crisplant® tilt-tray and cross-belt sortation systems, conveyor systems, Alvey® palletizers and robotics, Real Time Solutions® order fulfillment systems, warehouse control software and advanced machine controls—all supported by 24x7 Customer Service and Support.

Serving the warehousing, distribution, consumer product manufacturing, postal and parcel markets, Intelligrated collaborates closely with its clients to develop productivity solutions and responds to their needs throughout the life of their material handling systems.

## Intelligrated Products and Services

- Systems Integration
- Sortation Systems
- Conveyor Systems
- Palletizing Solutions
- Software & Controls
- Order Fulfillment Systems
- 24x7 Technical Support
- Design & Build

## Intelligrated Service & Support

The in-house Customer Service and Support (CSS) program offered by Intelligrated backs all of our products. Services available include:

- IN-24X7® technical support
- Replacement parts logistics
- Field service
- Equipment and system audits
- Upgrades and modifications
- Full service and maintenance contracts
- Preventive maintenance
- Customer training and documentation

CSS is available 24x7 to provide all of the services needed to keep your equipment running at peak efficiency. Whether it's on-site support or troubleshooting via our hotline, Intelligrated has the most comprehensive customer support program in the industry.

Service and Parts Hotline

Phone + 1 877.315.3400

[www.ontimeparts.com](http://www.ontimeparts.com)



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