

BOWE SYSTEC OptiSorter Parcel and Package Sorting Solutions

§ BOWE SYSTEC North America Inc.

CATEGORY: Parcel Mailing/Sorting Systems

PRODUCT: OptiSorterPush-tray and Split-tray

COMPANY: BOWE SYSTEC North America Inc., 8480 Honeycutt Rd, Ste 200, Raleigh, NC 27615, (919) 714-7277 or email address: Generalinquiries@bowesystecinc.com

TRAY SORTING SOLUTIONS: BOWE SYSTEC's OptiSorter Parcel and Package Sorting solutions address the complexities and demanding requirements of the package, parcel and logistics sector with material handling automation, weighing, scanning, dimensioning, print/apply labeling and sorting for a variety of industries including, Postal and Parcel sortation and e-commerce logistics. The solutions are designed to handle a wide variety of product types and dimensions with systems that are fast, flexible, and scalable to match operational objectives. The unique pusher tray technology is designed for sorting a large range of different product sizes and shapes including parcels, poly bags, cartons, books, multimedia, containers, apparel, shoes, and agricultural items. It enables the sortation of items as small as 1/16" thick and as large as 70 lbs. with throughputs of up to 15,000 trays per hour.

FEATURES: The modular design allows for customized sorter layouts to optimize floor space and workflows including elliptical and straight-line, single and multi-level, and dog leg configurations. The number of chutes is unlimited with multi-directional sortation available to minimize floor space requirements. The sorters are available with manual and automatic induction to maximize productivity and the robust BOWE Sort software platform for inbound inventory management as well as outbound order fulfillment, tracking and parcel co-mingling. A variety of chute designs are available to sort directly into gaylords, carts and bags or efficiently for palletizing and order fulfillment. The flexible designs are competitively priced, translating into an immediate return on investment by saving labor, saving time and increasing accuracy. BOWE SYSTEC's unique intralogistics offering comprises furthermore, belt- and roller conveyors, as well as WMS/WES software to offer a turn-key solution for any warehouse or distribution operation.

CONTACT: For more information, contact BOWE SYSTEC North America at (919) 714 7277 or Generalinquiries@bowesystecinc.com

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§ Engineering Innovation Inc.

CATEGORIES: Parcel Mailing/Sorting Systems

PRODUCTS: EZ-WorkDesk; EZ-Flats; The Champ / Super Champ; Chameleon; LightSort

COMPANY: Engineering Innovation Inc. (Eii), 3601 Sagamore Parkway N, Suite Eii, Lafayette, IN 47904 Contact: sales@eii-online.com, Phone: 800-350-6450

EZ-WORKDESK SYSTEM DESCRIPTION: The EZ-WorkDesk is designed for parcel processing. This versatile mailroom application, utilizes IMpb (Intelligent Mail Package Barcode) compliance, and a camera-based OCR for rapid induction. Leveraging its industry leading technology for reading mail piece information, the EZ-WorkDesk Parcel Processor features best of class capability for collecting package information.

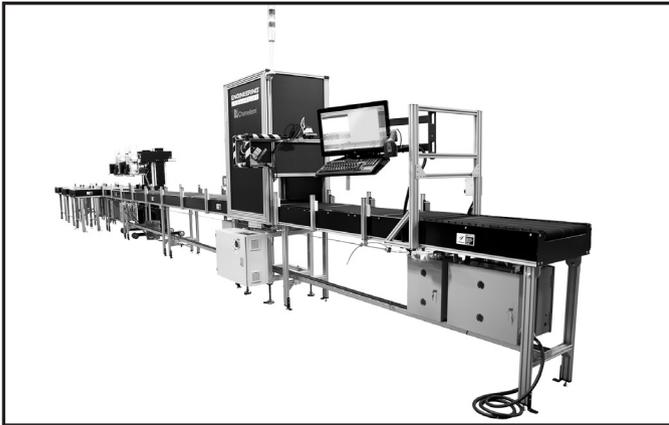
EZ-WORKDESK SYSTEM FEATURES: OCR-enabled rapid Intelligent Mail Package Barcode (IMpb) production; Configurable Wide Area Bar Code Reader (WABCR) captures up to five separate barcodes per scan; Simultaneous recording of three key package characteristics – address, barcode intelligence, and weight; Immediate software interpretation of labeling, routing, postal documentation, and customer billing package data

EZ-FLATS SYSTEM DESCRIPTION: Take advantage of weight based discounts on First Class Flats with an EZ-Flats™ Manifesting system from Eii. The EZ-Flats™ System uses a revolutionary sorting methodology for processing flats and obtaining automation discounts during a single machine pass. The MLOCR-based solution produces a bundle-based Automation First Class mailing at only a fraction of the cost of traditional flats sorting machines. The system provides rapid sorting capability to the 5D automation discount level, enabling mailers to achieve higher profitability on small or large flats mailings, as well as parcels up to 2" tall. Designed as a Manifest Mailing System (MMS), the EZ-Flats™ System eliminates the need for a meter as it processes mixed-weight flats. After the mail piece is weighed and read by the OCR, a mailing label is produced for application to the piece. The label features the permit indicia along with an 11-digit barcode, a unique piece ID, and several proprietary sort codes to expedite sorting for automation discounts. The EZ-Flats™ system uses automation to allow people to work more efficiently than other flats sorting technologies, especially for producing bundle-based automation mailings. At the heart of the EZ-Flats™ process is bundle-based mailing, which eliminates secondary passes even when sorting to the 5D level. Bundle-based mailings achieve much higher discount levels as they only require ten mail pieces to achieve the automated discount level, versus the 90 required for tray-based preparation. In addition to First Class Automation/Presort Flats, the EZ-Flats™ Manifesting System processes Priority Mail, FCPS, Library/Media, Parcel Select, Bound Printed Matter, and Marketing Mail.

Low Volume Configuration: EZ-Flats™ Essential Manifesting System:

The introductory model for the EZ-Flats™ System, the Essential, is designed for daily runs of 500-2000 flats. This version enables mailers with lower flats volumes to achieve high levels of profitability with a low initial capital outlay. As volumes increase, users can directly upgrade to the Enhanced or Premium models, as described below. The Essential solution features best-of-class OCR technology and works with Parascript™ and/or RAF Platinum™. Its server-based configuration enables several machines to work in parallel for processing higher volumes. The system installs easily in an afternoon and operators can be trained in 15 minutes. A touch screen monitor provides easy access to both workstation and

Parcel Mailing/Sorting Systems



Engineering Innovation's Chameleon Parcel-Processing Solution

server computer. The system also includes label printer and barcode scanner for automatic customer chargeback.

Medium Volume Configuration: EZ-Flats™ Enhanced Manifesting System:

Designed for daily flats volumes in the 2000-4000 piece range, the Enhanced utilizes the same workstation as Essential and adds Engineering Innovation's Dynamic Sort™ technique. The Dynamic Sort™ patented technology identifies the tenth piece the instant it is read by the OCR and then dynamically reassigns a routing designation for the maximum discount. This reduces the finalization time of the mailing. In addition, Dynamic Sort™ provides a roadmap for correctly packaging the mail to meet USPS requirements.

High Volume Configuration: EZ Flats™ Premium Manifesting System:

The Premium is the full EZ-Flats™ processing system, used by mailers with higher daily flats volumes (3000 and up). The Premium adds automation to the Dynamic Sort software with a label applicator, conveyor, and eight automated pockets. The system can process at a rate of up to 2000 flats per hour.

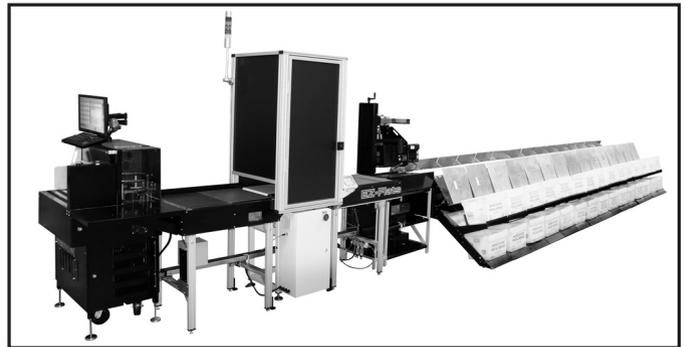
Parcels Configuration: EZ-Flats™ Pro Manifesting System:

Expanding upon the success of our original sorting solution, Engineering Innovation has introduced the EZ-Flats™ Pro, for sorting parcels taller than 2". Eii has combined the functionality of the Premium with The Champ mail processor, making sorting parcels even more affordable. Adding the standing scale allows mailers to prepare Priority Mail class shipments to receive drop shipment rates on non-drop shipment mailings. This system features a revolutionary sorting methodology for processing packages and obtaining the highest Automation discounts in a single pass. Sort, manifest, and bill parcels up to 15" in height with a single machine.

Automated Configuration: EZ-Flats™ Autofeed Manifesting System:

The Autofeed offers all the advantages of the Premium at twice the speed, due to the addition of an automated flat feeding system and weigh-on-the-fly scale. With support for up to 200 bins and a maximum throughput of 3250 pieces per hour, the automatic feeding system reduces the strain on the operator while standardizing the average throughput. Borrowing from the Pro system, the Autofeed can also process parcels through a manual feed option.

THE CHAMP & SUPER CHAMP SYSTEM DESCRIPTIONS: Building on 30 years of direct mailroom experience, The Champ Mailing



Engineering Innovation's EZ-Flats Autofeed Manifesting System

Solution empowers mailers to maximize postage savings on the variety of parcels common to mail processing centers, including ALL types of USPS Priority Mail. The tabletop mail manifesting system utilizes differential weighing to rapidly handle multiple classes of mixed-weight mail simultaneously.

THE CHAMP & SUPER CHAMP SYSTEM FEATURES: The Champ is IMpb-compliant across the range of USPS Commercial Parcels, handling all types of Priority Mail as well as First Class Packages, Bound Printed Matter, Parcel Select, Parcel Select Lightweight and Media/ Library Mail. The Super Champ upgrade enables quick address validation with IMpb compliance through an ergonomically friendly mobile OCR ring scanner that scans the address on the mail piece for USPS delivery point validation.

CHAMELEON SYSTEM DESCRIPTION: The Chameleon Parcel-Processing Solution is a modular and workflow-flexible platform designed to adapt to any parcel-processing environment. Making sortation automation cost-effective for rapidly growing parcel-processing operations, the Chameleon Solution is fully adaptable, providing customizable features such as barcode reading, OCR, weighing, dimensioning, and label application to fit your process and budget.

CHAMELEON FEATURES: Key Chameleon capabilities include: Simultaneous weighing, dimensioning, optical character recognition (OCR), and reading of barcodes; A multi-purpose OCR reads the address for manifesting, barcoding, tracking, and proof of processing; The system can process boxes, padded envelopes, and poly bags with weights up to 50 lbs, as large as 35" x 30" x 25"; Speed ranges from 1,000 to 4,500 parcels an hour; Apply labels on the fly, or with manual assist in exception process.

LIGHTSORT SYSTEM DESCRIPTION: The LightSort Sorting System uses light technology for expedited processing. Our low-cost systems easily integrates into existing processes to improve accuracy, productivity, and data tracking. LightSort technology is used to create fixtures that are low maintenance, durable, and easy to move for reconfiguration and storage. Quick assembly and intuitive use has operators up to speed in no time, efficiently sorting or filling orders and tracking data using the hands-free ring scanner. With LightSort, Eii proves again that expensive automation is not always the optimal approach. LightSort Technology utilizes low cost equipment to help operators do their job more quickly with reduced human error.

LIGHTSORT FEATURES: The LightSort Sort-to-Light model uses a modular sorting rack with easily programmable destinations. Sort light-weight parcels and poly bags to bins, bags, or cartons for induction. With our new Carton Flow Rack, you can easily introduce containers and cartons of various sizes for use in our gravity fed roller system. LightSort Sort-to-Light features a wireless ring scanner that allows for

hands-free operation and scanning of barcodes from any angle. When the sorter scans the package barcode, the intended bin destination lights up. This eliminates guesswork so sorters can get the package to the right location every time. Up to ten bags can be preloaded into each location. Once a destination is filled, operators can easily move and hand off the full container to prepare the next.

CONTACT: For more information call 1-800-350-6450 or email sales@eii-online.com.



Fluence Smalls Parcel Sorter (SPS)

§ Fluence Automation

CATEGORY: Parcel Mailing/Sorting Systems

PRODUCT: Fluence Mail Sorters and Software

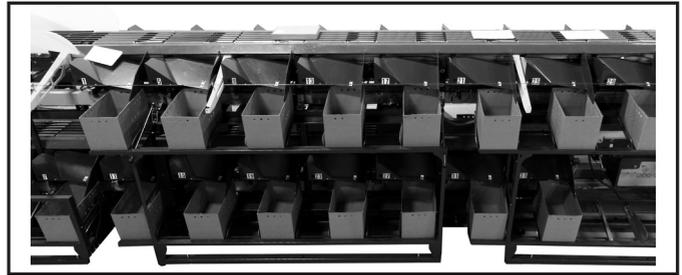
COMPANY: Fluence Automation, 3323 N Kennicott Ave., Arlington Heights, IL 60004. Email: info@fluencemail.com. Phone: 888-832-4902.

SMALL PARCEL SORTER (SPS): The SPS is a high speed sorter for small parcels, flats, and polybags. Having developed solutions in the mail industry for many years, Fluence Automation understands the material handling and processing requirements for small parcels and letter mail. The Small Parcel Sorter (SPS) was developed to provide a fast and efficient solution for sorting small parcels, such as cartons, flats and polybags. SPS is ideal for meeting the growing need to process smaller parcels separately but efficiently.

SPS FEATURES: SPS handles a wide range of small parcel types, including cartons, flats, envelopes and polybags, for parcel sizes ranging from as small as 4" x 4", up to 14" x 15". It achieves high throughput speeds over 7,000 pph (up to 11,000 pph with smalls) and offers precise product handling, with dynamic divert speeds and dwell control. A bi-direction divert utilizes floor space efficiently with surface catch points eliminated to allow consistent flow. SPS integrates with a variety of other sorting technologies and software for a modular, fully customized solution.

SPS CUSTOM MODULAR SOLUTION: By combining the Fluence Automation SPS with other front-end material-handling components (such as bulk induction, high-speed gapping, dim / weigh / scan, imaging, and/or high-speed labeling), the system can be custom designed to accommodate any small parcel processing requirements. When the SPS is integrated with Fluence Automation's high-speed roller diverters, the system can achieve throughput speeds of up to 183 ppm for products as small as 4" x 4". In addition to these high-speed roller diverters, other sorting technologies can be integrated to best meet the application specs and budget.

HS ROLLER DIVERT: The HS Roller Divert is a high-speed diverter for small parcels, flats and polybags. With the continued growth of



Fluence Small Parcel Sorter Standard 2 Tier



Fluence SPS Stacked 2 Tier

e-commerce, the number of single-item orders shipped is growing at monumental rates. The need to process this increased number of small parcels, such as cartons, flats and polybags, has become a substantial contributor to the bottom-line cost for many couriers and retail distributors. One of the biggest challenges in automating the handling of small parcels is how to divert them from the sortation line quickly, efficiently and consistently, without adding time and cost to the process. The Roller Divert was developed with today's demands in mind, offering speed, diverse parcel handling, and the system maintainability that our customers have grown to expect from our decades of experience and reliability in the mailing and sorting industry.

HS ROLLER DIVERT FEATURES: The technology behind the Fluence Automation HS Roller Divert makes it a game changer. Every



Fluence Divert Module

component has been meticulously engineered to provide the fastest speeds when moving a large number of parcels in a wide variety of shapes and sizes from point A to B, achieving speeds up to 183 ppm for parcels as small as 4" x 4". The Fluence HS Roller Divert provides the means to increase capacity required for today's demanding e-commerce environment.

PARCEL / FLATS MANUAL WORKSTATION: The ever increasing Internet sales demands the postal consolidators and shipper quickly and efficiently process an ever-expanding range of parcel material. The Parcel/Flats Manual Workstation provides an efficient method of manually processing most parcel and flats for Marketing Mail, First Class, First Class Package Service, Priority Mail, Bound Printed Matter (Flats and Parcel), and Parcel Select mailings. The system supports USPS eVS, National Support Agreement (NSA) and non-eVS submissions.

Fluence's Parcel/Flats Manual Workstation seamlessly integrates with manifest software (Netsort) or other manifest software workflow providing extra capacity and small job flexibility. The Parcel/Flats Manual Workstation is easily integrated with custom application or other business logic needs. Leveraging decades of sorting implementations, Fluence can readily integrate with external systems to retrieve real-time label data, support tracking and data transfers.

FEATURES: The Parcel/Flats Manual Workstation is a manual encoding system which will provide postage savings and processing per