Barcoding/Sorting Systems

EZ-FLATS Premium

§ Engineering Innovation Inc.

CATEGORIES: Barcoding/Sorting Systems

PRODUCTS: EZ-WorkDesk® Parcel Processor; EZ-Flats® Manifesting System; Champ™ & Super Champ™ Mail Processors; Chameleon® Parcel-Processing Solution; LightSort® Technology

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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

EZ-FLATS Essential

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 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.
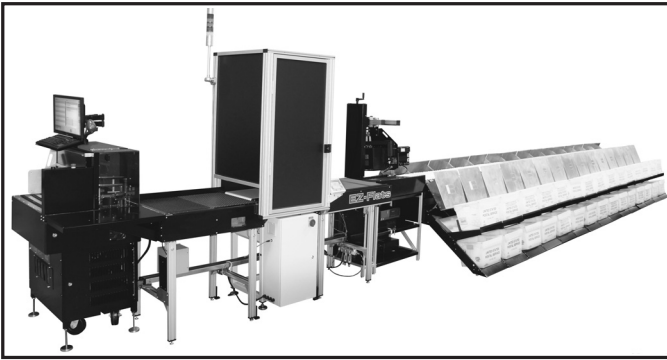
High Volume Configuration: EZ Flats® Premium Manifesting System:

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

EZ-FLATS Autofeed Manifesting System

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 Mail Processor 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.

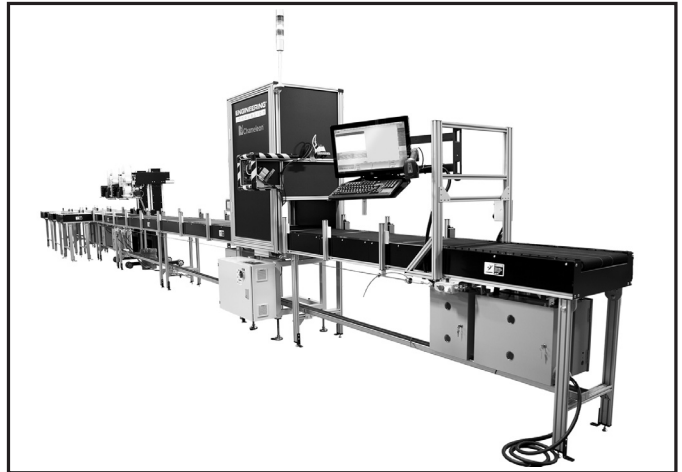**THE CHAMP & SUPER CHAMP SYSTEM FEATURES:** The Champ is IMpb-compliant across the range of USPS Commercial Parcels, handling all types of Priority Mail as well as Ground Advantage, Bound Printed Matter, Parcel Select, Parcel Select Lightweight and Media/ Library Mail.

Engineering Innovation's Super Champ

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. Easily utilize cost-effective sorting automation for rapidly growing parcel-processing operations. Our 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: 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.

Engineering Innovation's Chameleon Parcel-Processing Solution

Engineering Innovation's LightSort

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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 lightweight parcels and poly bags to cartons, bags, or gaylords for induction or returns. With our Carton Flow Rack, you can easily introduce containers and cartons of various sizes for use in our gravity fed roller system. The newest LightSort application, the Gaylord Rack, offers a large scale pallet-sized solution to bulk sorting. 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. When a container is full, the operator can quickly replace it and bring the next one into place.

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