BF-4000 Box Filling System

50 lbs. that are typically fed from a box taper. The package is weighed, then fed onto a roller. A pusher assembly pushes the carton that does not meet the desired weight to the gravity reject roller conveyor. The belt and roller conveyors can be customized.

BF-4000 BOX FILLING SYSTEM: This side-by-side automatic box filling system takes pre-made boxes and feeds them from a belt conveyor onto a loading station. Once filled, they are released on a return roller conveyor. The BF-4000 easily ties in with other infeed equipment such as conveyors, bagging machinery and rotary scales. When a carton is full, an accumulator closes above the carton allowing continuous feeding, while the next empty carton is fed into the loading position.

CONTACT: For more information, call 800-754-4403 or email sales@advancedpoly.com.

§ BÖWE SYSTEC North America Inc.

CATEGORY: Parcel Mailing/Sorting Systems

PRODUCT: Optimus Sorters

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

DESCRIPTION: BÖWE SYSTEC’s New Optimus 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 Inbound/Outbound 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 tray and pusher 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 65 lbs. with speeds of up to 15,000 trays per hour.

FEATURES: The modular design allows for customized sorter layouts to optimize floor space and workloads 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 BÖWE 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.

BÖWE SYSTEC Optimus Sorters

BÖWE SYSTEC acquired a majority ownership position of Optimus Sorters in 2016 and our long standing strength and experience in complex, intelligent material handling systems makes these new products a perfect fit for our portfolio of solutions.

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

§ Engineering Innovation Inc.

CATEGORIES: Parcel Mailing/Sorting Systems

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

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

EZ-WORKDESK SYSTEM DESCRIPTION: The EZ-WorkDesk is geared for automated parcel processing – featuring IMpb (Intelligent Mail Package Barcode) compliance, an OCR, and laser dimensioning. This versatile mailroom application is the most cost effective solution for rapid induction into the USPS package shipping network. Features include: OCR technology enables rapid Intelligent Mail Package Barcode (IMpb) production for new USPS specifications; Configurable Wide Area Bar Code Reader captures up to five separate barcodes on a single package; Dimensioning feature captures length, width, and height for USPS Cubic packages and other Dimensioning requirements; Leveraging its industry leading technology for “reading” mail piece information, the EZ-WorkDesk features best of class capability for collecting package information; Data from the four key package characteristics – address, dimensions, barcode intelligence, and weight – are pulled off the package simultaneously; Software immediately interprets package data set for labeling, routing, postal documentation, and customer billing.

EZ-WORKDESK FEATURES: The EZ-WorkDesk enables USPS package processing for several key “single-piece” classes: Priority Mail; Cubic; First Class Packages; Bound Printed Matter Parcels; Parcel Select; Media Mail; Library Mail. Presort manifesting upgrade capabilities include: Parcel Select Lightweight; Marketing Parcels; Bound Printed Matter Parcels; First Class, Standard, & BPM Flats.

EZ-FLATS SYSTEM DESCRIPTION: Take advantage of new weight based discounts on First Class Flats with the EZ-Flats system from Eii. The EZ-Flats system features a revolutionary sorting methodology for processing flats and obtaining Automation discounts using a single machine pass. The MLOCe-based solution produces a bundle-based Automation First Class mailing at only a fraction of the cost of traditional
Parcel Mailing/Sorting Systems

Engineering Innovation's Chameleon Parcel-Processing Solution

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. Designed as a Manifest Mailing System (MMS), EZ-Flats eliminates the need for a meter as it processes mixed-weight flats. When the mail piece is weighed and read by the OCR, a mailing label is produced for application on the piece’s upper right corner. The label features the permit indicia along with the 11-digit barcode, a unique piece ID, and several proprietary sort codes to expedite sorting for automation discounts. The EZ-Flats concept combines automation with people to work more efficiently than other flats sorting technologies, especially for producing bundle-based automation mailings. Central to the EZ-Flats approach to sorting mail is the inclusion of L-shaped Sorting Territories which are ergonomically designed with 40 bins each for quick sorting to ADC, 3D, and 5D destinations. In addition to First Class Automation/Presort Flats, the EZ-Flats system processes First Class Package Services, Standard Class and Bound Printed Matter Flats, and Parcels and Priority Mail.

Low Volume Configuration: EZ-Flats Essential:
The introductory model for the EZ-Flats system, Essential, is geared 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 EZ-Flats machines to work in parallel for processing higher volumes. The system installs easily in an afternoon and operators are up to speed in 15 minutes. A touch screen monitor provides easy access to both workstation computer and server. The system also includes label printer and barcode scanner for automatic customer checkback.

Medium Volume Configuration: EZ-Flats Enhanced:
Designed for daily flats volumes in the 2000-4000 range, Enhanced utilizes the same workstation as Essential but adds Engineering Innovation’s Dynamic Sort software/sorting technique. At the heart of the EZ-Flats process is the elimination of secondary passes even when sorting to the 5D level with bundle-based mailings (Note: 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). Utilizing a patent-pending technology, Dynamic Sort identifies the tenth piece the instant it is read by the OCR and then dynamically reassigns a routing designation for the maximum discount. This greatly reduces the amount of time required to finalize the mailing at the end of the day’s run. In addition, Dynamic Sort provides a roadmap for correctly packaging the mail to meet USPS requirements.

High Volume Configuration T: EZ Flats Premium:
Premium is the EZ-Flats full processing system and is used by mailers with higher daily flats volumes (3000 and up). Premium ships with the Dynamic Sort software and adds automation with a label applicator, conveyer, and eight automated pockets (expandable for quick kills on higher-volume runs). The system can process at a rate of up to 2000 flats per hour.

THE CHAMP / SUPER CHAMP SYSTEM DESCRIPTION: Building on nearly 30 years of direct mailroom experience, The Champ empowers mailers to maximize postage savings on the variety of parcels common to mail processing centers, including ALL types of USPS Priority Mail. The manifest mailing system utilizes differential weighing to enable rapid handling of multiple types of mixed-weight mail simultaneously.

THE CHAMP / SUPER CHAMP FEATURES: The tabletop mail manifesting system is IMpb-compliant across the range of USPS Commercial Packages, handling not only all types of Priority Mail but also First Class Packages, Bound Printed Matter, Parcel Select, Parcel Select Light-weight and Media/ Library Mail. The Super Champ upgrade enables quick address validation with IMpb compliance by harnessing the power of the 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, portable and workflow-flexible platform that Eii designed to adapt to any parcel-processing environment. Making automation cost-effective for rapidly growing parcel-processing operations, the Chameleon is fully adaptable, providing customizable options such as barcode reading, OCR, weighting, dimensioning, RFID capabilities, label application and sort speeds to meet your process and budget.

CHAMELEON FEATURES: Key Chameleon capabilities include: Simultaneous weighing, dimensioning, and barcode reading and OCR; Multi-purpose OCR reads the address for manifesting, barcoding, tracking, and proof of processing; Flexibility to capture address block, barcodes, and weights; Scale detects parcel weights up to 100 lbs.; Sort packages with weights up to 75 lbs.; Handles packages as large as 25” x 25” x 36”; Process boxes, padded envelopes, or poly bags; Speed ranges from 1,000 to 20,000 parcels an hour; Outputs a unique mailing label featuring postal barcode, unique piece ID, proprietary sorting/routing codes, and other business information; Apply labels automatically, or manually in exception process.

EZ-LETTERS SYSTEM DESCRIPTION: Eliminate your postage meter – Apply postage, barcode, capture automation discounts, and sort in one pass with the EZ-Letters from Engineering Innovation Inc. In keeping with its mission to offer the mailing industry affordable solutions that maximize postage savings, Engineering Innovation, Inc. introduces the EZ-Letters solution for 2010. With a throughput of up to 18,000 letters per hour, the multi-functional EZ-Letters system has all the capabilities of larger letter sorters at a fraction of the cost and size. With very low cost of entry and the smallest footprint of any letter sorter on the market, EZ-Letters is designed to deliver immediate efficiencies to small and medium business alike. Able to handle metered mail, permit mail, and manifest mail, this versatile solution features an OCR that can read letters for Automation discounts, while providing mailers the option to go for MADC through 5D discounts selectively. Processing First Class and Standard mail, EZ-Letters capabilities encompass a broad range of typical business needs, including transactional, office, and promotional mail.
In addition, EZ-Letters offers solutions for Incoming Mail, International Mail, Vote by Mail, and can even processes Reject Mail from other sorting equipment with its best-of-class imaging/recognition capabilities.

**EZ-LETTERS FEATURES:** Key EZ-Letters features include the optional Weigh on the Fly Scale and HP cartridge-based high-speed printer for printing postal barcodes, indicia, addresses, and sorting codes. Coupled with its manifesting capability, mailers can dramatically lower labor, equipment, and ink costs while combining posting/processing into a single-step routine. Before postage savings, EII estimates this process will bring as much as a 5-cent reduction in per piece mailing costs. EZ-Letters is available with Parascript™ OCR which enables reading handwritten pieces and the optional RAF Platinum™ OCR for best in class performance. EZ-Letters is also outfitted with a Wide Area Bar Code Reader which reads up to five distinct barcodes on the mailpiece for such applications as tracking, proof of processing and populating the Intelligent Mail Barcode. A UMOVE™ upgrade is also provided for mailers who need to be in compliance for Move Update. The EZ-Letters processing platform is highly scalable. The “out-of-the-box” unit, at a mere 3x5 feet, can fit though most doors and into any room. Single-sided stackers allow the machine to be set up against a wall to fit into the tightest mail room.

**LIGHTSORT SYSTEM DESCRIPTION:** Searching has never been easier with the LightSort sort-to-light parcel system from Eii. Flexible, low maintenance and durable attributes make it a simple decision to bring the LightSort solution into your shop. Featuring a ring scanner for increased mobility, simply scan the item barcode and the sort location will light up – no longer requiring memory and skill for your sort needs. With a focus on ease-of-use, bring in any personnel with little to no experience and have them sorting in seconds – scan, locate, sort. The LightSort features a ‘drop-out-the-back’ bagging system and the ability to preload your bags/sacks in the sort locations. An optional “bagazine” can add speed to the process of loading bags. Increase your accuracy, mobility, and productivity with LightSort. LightSort is quick to assemble and intuitive to operate reducing training time. For operations that have ongoing changes in sorting requirements, racks can be moved around in differing arrangements and bin locations instantly re-designated with new sort plans. Changing sort plans is as easy as loading a CSV file on to the rack controller via flash drive or a network connection.

**LIGHTSORT FEATURES:** LightSort features a wireless ring scanner allows for hands-free operation and reading barcodes from any angle. Another key attribute is the organization of bags into the bin locations. Up to ten bags can be preloaded into each bin. When a bag is full, the operator can quickly unhook it, push it out the back and lift the next one into place. With LightSort, Eii proves again that expensive automation is not always the optimal approach. LightSort leverages low cost technology to help operators do their job more quickly with greatly reduced errors.

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

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**CATEGORY:** Parcel Mailing/Sorting Systems

**PRODUCT:** NPI Sorters

**COMPANY:** NPI, 14901 Trinity Blvd, Fort Worth, TX 76155. Key Contact: Michelle Ramirez. Phone: 214-634-2288 or 888-821-SORT.

**OMNISORT:** The latest in flats/ light parcels automation sorting technology is now here. The Omnisort is the newest sorter from NPI. With the ability to sort a variety of mail including tyvek, plastic, cardboard packages, light parcels and flats, the Omnisort eliminates time-consuming hand sorting and provides accurate destination sorting. It can be configured with various output receptacles including bins, sacks, boxes or tubs. The Omnisort can sort up to 6,000 pieces an hour. Like all NPI sorters, the Omnisort has a compact footprint requiring minimal floor space. The Decipher OCR or BCR reader is available on this system.

**OMNISORT FEATURES:** The Omnisort can be customized to meet individual needs including label application module, OCR & BCR capable, Weigh-on-the-Fly, incoming and outgoing mail processing, manifesting options, and multiple output options including tubs, sacks, gondolas, and gaylords. OmniSort integrates with existing conveyor systems.

**XSTREAM:** The XStream has the ability to sort flats and parcels of up to 70 lbs. to different bin destinations such as tubs, sacks and gondolas. With its ergonomic design, the XStream is perfect for any processing environment. The XStream has a throughput of up to 30,000 flats/parcels per hour.

**XSTREAM FEATURES:** The Xstream is compact and scalable and can be used for inbound and outbound processing. It features multi-sided omni-directional barcode reading capability for most 1D, 2D and Postal barcode types. It can handle a wide variety of product sizes, shapes and weights and integrates with existing conveyor systems.

See NPI’s listing in the Barcode/Sorting System section.

**CONTACT:** For more information, call 888-821-SORT or email sales@npisorters.com.