BLUECREST

WASHOE COUNTY, NEVADA
REGISTRAR OF VOTERS
1861

ReliaVote Vantage™ Mail Sorting Solution

Vantage VBM Sorting Solution

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A system designed for Washoe County Elections

The Vantage™ mail sorter platform offers high-speed letter mail processing and an innovative feeder that will process a variety of letter mail types, e.g., postcards, letters and 6x9s. The Vantage is able to accommodate a variety of bin designs. The choice of one design versus the other is unique to each environment and based upon the mail volumes, available floor space and other important application characteristics.

We are proposing a 48-bin Dual Sided Multi-Tier ReliaVote Sorter, complemented by a friction-based feeder design that allows mail to be processed at high speeds—exceeding 24,000 or 45,000 pieces per hour with 7.0" sized envelopes—and guarantees exceptional processing control. This design also reduces much of the noise often associated with sorting equipment making the Vantage the quietest machine in the industry.

Self-adjusting feed mechanism and active gap compensation measurement for consistent mail singulation

Intuitive graphical user interface

Built-in mailpiece settling boosts address read rates

Load-and-go feeding location lets you pull pallets right up to the feeder

High overall throughput for variable thickness mail

45M between front end PMs

Addressing Mailing Needs

BlueCrest guarantees a 15-year product life cycle from the time you take delivery on your Vantage. This means you can count on the Vantage Sorter Solution being available for operational use for an extended product life. BlueCrest is the design authority of product. Should OEM devices become end-of-manufacturing, end-of-life or end-of-support over time, BlueCrest will ensure that a suitable replacement option is presented, and available for continued product use.

Safety & Ergonomics:

We also boast the highest safety and ergonomic product rating in the market. This means operators can work safely and effectively with minimal incidents of fatigue. BlueCrest has gone through an extensive analysis keeping our clients and operators in mind during product operational use. Research has shown that when the job task is too physically taxing on the worker, they may not perform their job like they were trained. Research also shows employees notice when the company is putting forth their best efforts to ensure their health and safety. If an employee does not experience fatigue and discomfort during their workday, turnover is reduced, absenteeism decreases, morale is better and employee involvement increases. Load your feeder with mail, tap to register the mail and let it run. In addition, the stacking technology pockets are ergonomically designed for seeing, reaching, and sweeping the mail. These are just a few system areas you can take comfort that your operators would appreciate as well.

Accuracy:

The Vantage is the only sorter on the market offering positive piece tracking. The Vantage Multi-Tier Sorters are truly unique in that they track individual mail pieces all the way to their final sort bin destination. Competitive sorting technology is typically composed of two separate processes—the transport section and the stacker (pocket) section—which perform a "hand off" when the mail piece moves from the transport to the pockets. In these competitive systems, the pocket technology is mechanically based and does not report on individual mail piece disposition. The Vantage Multi-Tier Sorter utilizes scanning intelligence to track each individual mail piece across the entire sorting process utilizing one integrated system.

Operational Throughput:

Cycle-rate is much different than a sorting systems Operational throughput. Operational throughput takes into account variables of mail processing and is key to any mail operation to achieve "productivity". The BlueCrest design team has gone through extensive analysis over 2 decades and continues to invest in the design to provide our global clients the best operational throughput achievable. While times past it was believed that a good mechanical system achieves the need, it has clearly been determined that the system requires a combination of good hardware for product singulation, transport to stacking, but strength in software to comply with postal regulation, achieve the Barcode decoding for sort finalization, job profiles used for client processing, and flexibility for future growth. The BlueCrest Vantage Sorting Solution provides such integrity, is mature and proven.

Doubles Detector

The Vantage offers an integrated optical object view and self-cleaning Double Detector. The new double detector contains a camera that identifies a double mail piece by viewing an image from below while being processed. The image is analyzed to ensure that it contains only one envelope and not two or more envelopes stuck together. In addition, the Vantage looks for additional evidence of a double by scanning the lower face of the envelope to detect a possible tabbed envelope. If the Double Detector discovers two envelopes traveling together, both envelopes are rejected.

Air Burst at Mail Entry

An on-board air burst blowing system that provides continual mail entry sensor cleaning allowing the feeder to maintain a proper gap between mail piece items for a consistent optimized throughput.

Air Burst at Image Capturing

An on-board camera & lighting air burst blowing system to maintain a clean area to capture the image for the OCR performance and eliminating mail dust build up enabling a consistent high level of performance throughout each day.

Product Life-Cycle

Guarantee Product Life expectancy of 15 years; inclusive of service and parts to support the sorting solution

Computer System Ventilation

CPU / PC cabinet enclosure with dust filtering to prevent less down time for cleaning and less heat through proper ventilation resulting in longer life of control computers.

Computer System Health

Each computer system will contain auto sensing tools that monitor hard drive health, critical motherboard functions, CPU fans, and battery voltage to proactively identify possible anomalies which can impact production. The sorter will send an alert to a San Joaquin County department to quickly jump into action and work towards resolving the issue.

OSHA Requirements

BlueCrest Vantage Multi-Tier sorters comply with an OSHA level of 74 dB averaged over an 8-hour shift.

Multi-Tier Configuration

Modular and ergonomically designed, the Multi-Tier pocket system provides the latest enhancement mail stacking technologies and is optimized for height and reach. Options are available in three, or four tier configurations in single or double sided with U-Turn. We are proposing a 4 Tier, 24 bins configuration to mee the needs of San Joaquin County ROV. For ease

of operation, a mail stack capacity LED displays and tray label pushbuttons are located on each bin.

Project Plan

Our Project Manager will act as liaison between BlueCrest and Washoe County Elections during the implementation and ramp-up phases ensuring that all requirements are identified, managed and delivered. Project Management excellence is a BlueCrest core competency. The project management team is part of a broad Strong Form Product Management organization comprised of highly dedicated personnel who are in place to ensure your organization's success.

Electrical Requireme

Electrical Requirements	
Configuration – 60 Hz (DOM)	208V, 3-Phase WYE, 4W+PE, 60 amps. 11,836 BTUs/hr

Air Requirements

Air Requirements: *(Internal air compressor included)*
• Air Consumption: 4CFM @ 90 PSI for Maximum Machine Configuration • Air Supply: 90 PSI Clean/Dry Air, Min ½" ID supply tubing. Machine side tubing is 12mm OD • Air Quality: Instrument quality required (filtered to 0.03 micron and no more than 1 PPM oil content). The air quality can be achieved with commercially available twin package filters consisting of a pre-filter, followed by a sub-micron coalescing type filter. • 1.5 SCFM / .7CFM consumption per Videojet printer • Air Connection for VideoJet printers at the LDU Module. • A 3/8" in. female pipe treaded quick connect is required.

The ReliaVote Vantage, Multi-Tier, Dual Sided 48 Pocket Sorting Solutions

▪ **Washoe County Elections**

> **15 Year+ life expectancy**

- ✓ Vantage feeder system with base transport
- ✓ Speed – 45,000/hour
- ✓ Barcode scanning/ imaging camera
- ✓ 3D measurement
- ✓ Double feed detection
- ✓ Separator card detection
- ✓ Additional monitor
- ✓ Time/ Date endorsement printer

- ✓ (2) 4 Tier pocket cluster - (48) total sort bins
- ✓ (2) Tray tag printers
- ✓ Two-line LCD display for each bin
- ✓ ReliaVote incoming software
- ✓ Drop box accounting software
- ✓ No Signature Detection
- ✓ Image archiving software
- ✓ WABCR software
- ✓ 1D/2D enhance WABCR software
- ✓ Site items
- ✓ Installation, integration, testing & training

February 28, 2024

ReliaVote Investment

	VANTAGE VBM Sorter - 45K
Base Equipment Configuration	$555,000
Optional – Mixed Mail Orientation Auto Process Includes backside camera	$17,761
Optional – UAA Automation Software	$9,000
Optional – Detection for Multiple Areas of Interest	$3,439
Optional – Checkbox Detect Software	$5,440
Optional – Automated Signature Verification (ASV) (See below for tiered pricing)	See Below
Elevate Trade-in Discount ($25,000 Value)	Included
EMA/SMA (First Year)	Included
FREIGHT	Included

Options are additional and not included in Base Equipment Configuration. Trade-in value of the existing Elevate sorter is included.

The Automated Signature Verification capability is an optional feature and is based upon the volume range of signature comparison per 12 month period.

 1 Million per 12 month period- $33,330
500, 000 per 12 month period- $16,667

Vantage Drawing (48 bin 4 Tier Single Sided)

30ft. 48 (Flexline) Pockets

10ft. 6in.