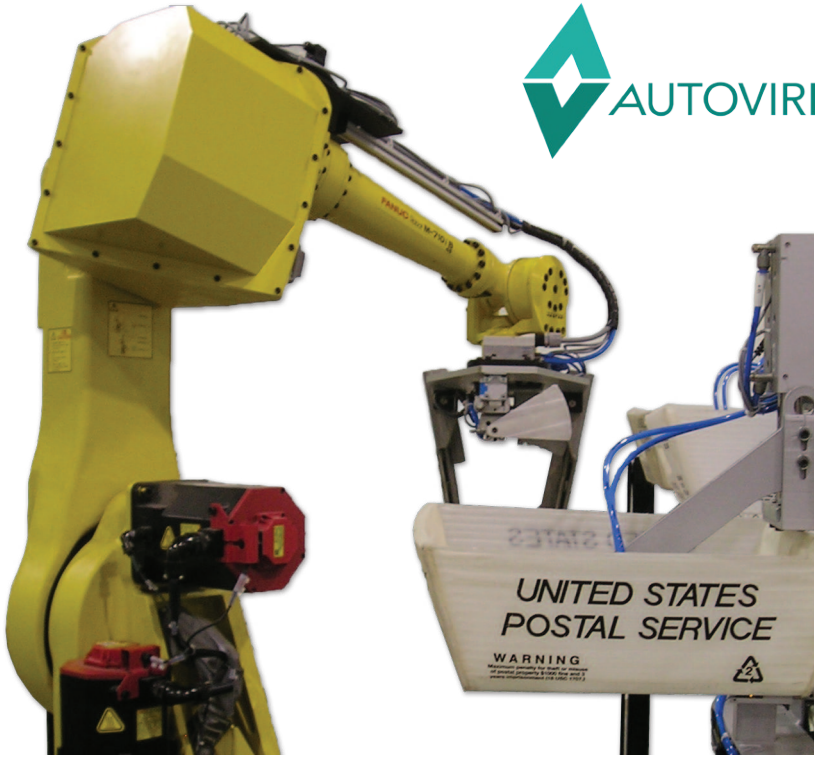
bell howell




# AutoViri

## Robotic Mail Solutions

### Increase efficiency and productivity with robotic mail systems

As the mail processing equipment speeds continue to increase, manual labor can constrain the workflow, leading to diminishing efficiency and lost potential revenue. Bell and Howell has partnered with CapStone Technologies to offer AutoViri™ Robotic Mail Solutions, which can maximize your process efficiency and productivity by automating highly repetitive manual functions of any operation.

AutoViri systems use state-of-the-art robotic technology and advanced innovation to take mail processing to a new level. These robotic solutions deliver serious results for traying, sleeving and palletizing. Handling USPS® full and half trays, as well as other tray types, AutoViri systems feature a perfect hybrid of advanced industry knowledge, state-of-the-art technology and groundbreaking engineering.

Each unique application of AutoViri is custom designed around a base system to suit specific needs, and because it is modular by design, AutoViri can adapt to new operational conditions to sustain maximum output and efficiency.

### AUTOVIRI TRAYER

The AutoViri Trayer increases throughput and efficiency and lowers labor costs by automating the task of traying mail. The maximum part to part cycle speed is 6 trays per minute. When a single high-speed inserter can produce one tray

### KEY FEATURES

- Based on proven robotic technology widely used in other industries
- Engineered to replace manually intensive processes
- Developed by a leading business engineering firm in the print-to-mail industry
- Supports digital confirmation of mail processing to create a complete audit trail for IMB
- Very reliable, requiring only occasional maintenance
- Full warranty

per minute, simply traying mail from the end of an inserter or printer consumes considerable manual labor.

With a single AutoViri Trayer, the output from 2 to 4 high-speed inserters or printers is automated, freeing up remaining operators to focus on increasing efficiency and output. And, it saves floor space by combining traying functions of multiple inserters and printers with one robot.

The Trayer processes all letter size trays including 2-foot MM, 1-foot MM and 2-foot EMM trays. Trays are intelligently singulated by type and presented to the Trayer with the AutoViri Denester, as part of the solution. Denester Tray queues are flexible and modular to accommodate your requirements.

## AUTOVIRI SLEEVER

The AutoViri Sleever increases throughput and efficiency and lowers labor costs by automating the task of sleeving mail. The maximum part-to-part cycle speed is 3.4 seconds or up to 17 trays per minute. Typical results, including pauses and wait time, average at 4.2 seconds or 14-16 trays per minute per AutoViri Sleever. One operator can simultaneously monitor two AutoViri Sleevers at full capacity with a maximum output of over 1900 trays per hour.

The system can process all letter size trays including 2 foot MM, 1 foot MM and 2 foot EMM trays. Two separate and independent sleeve queues are standard on each unit, with a capacity of up to 500 sleeves. Differing tray sizes can also be loaded and recognized for intelligent on-the-fly sleeving in a single production line. Each system is modular and self-contained. Its small footprint can replace a 10-foot conveyor bed.

## AUTOVIRI PALLETIZER

The AutoViri Palletizer performs the highly repetitive manual function of palletizing finished USPS mail trays to deliver real, sustainable savings in your production process. The palletizer provides intelligent tray/pallet IMB verification to avoid costly postage fee assessments. Each base unit includes one robot, tray sortation intelligence and provides 4-5 pallet separations.

The AutoViri Palletizer grows with your volume and separation needs. Maximum part to part cycle speed is 18 trays per minute picking three trays per cycle. The AutoViri Palletizer is capable of processing all letter size trays including 2 foot MM, 1 foot MM and 2 foot EMM trays. Trays are intelligently sorted by 24 digit or IMB tray tag type and placed onto the appropriate separation pallet.

| TRAYER TECHNICAL REQUIREMENTS | |
|---|---|
| **Compressed air** | 40 CFM at 90 PSI |
| **Power** | 30 amp at 480 V<br>(Voltage is adaptable to site conditions) |
| **Ceiling height** | 15 foot minimum |

| SLEEVER TECHNICAL REQUIREMENTS | |
|---|---|
| **Compressed air** | 10 CFM at 90 PSI |
| **Power** | 10 amp at 220 V<br>(Voltage is adaptable to site conditions) |
| **Ceiling height** | 10 foot minimum |

| PALLETIZER TECHNICAL REQUIREMENTS | |
|---|---|
| **Compressed air** | Dependent on system configuration |
| **Power** | 50 amp at 480 V<br>(Voltage is adaptable to site conditions) |
| **Ceiling height** | 15 foot minimum |

bell howell

For more information, visit: **bellhowell.net**

P.O. Box 14986, Research Triangle Park, NC 27709-4986
(800) 220-3030 • marketing@bhemail.com
**www.bellhowell.net**



BH_PROD_DSHT_1026_10_AUG_2011