

Rebuild & Upgrade Services for Automated Packaging Solutions

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Increased production, higher accuracy, and more counting flexibility through economical upgrades and equipment refurbishment.

At **Batching Systems, Inc.**, we offer proven engineered automated packaging solutions to your counting, filling and packaging needs with newer, faster equipment that pays for itself in half the time of older models. But, if you need increased production, higher accuracy, and the flexibility to count a wide variety of products on one system and can't meet the expense of new machinery, we can provide economical upgrades or refurbishment of your existing equipment. Benefits to upgrading to BMIVs include the following.

Quick Return On Investment (ROI): Your investment's efficiency compare favorably to its cost.

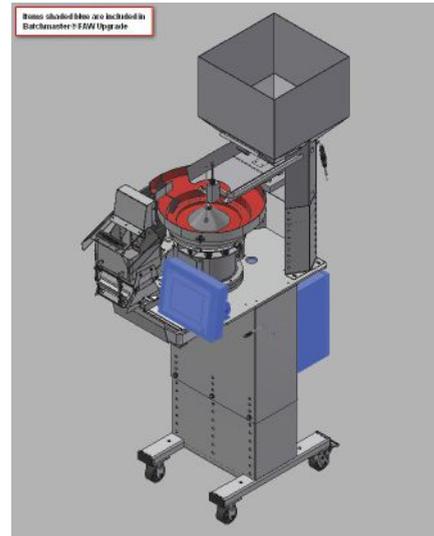
Eliminate Compressed Air: Some upgrades eliminate the need for compressed air and the costs associated with maintaining pneumatic systems by upgrading to stepper and servo driven machine functions

Modernization of Older Equipment: Eliminates concerns over obtaining potentially obsolete components.

Current and Intuitive Operating Technology: Upgrades provide plant operations with current and intuitive operating technology. These latest improvements optimize OEE and provide our customers with equipment that has less down time, requires less maintenance, and is easier to set-up. These systems can be easily connected to various automation infrastructures as well as the internet for remote access.

Improved Production Speed: The BMIV 5 gates can produce batches of product at two to three times the speeds of BMII's. The BMIV 5 gate accumulates a second batch while the first batch is dumping or waiting to dump. The BMII cannot start the next batch until the completed batch is dumped.

Improved accuracy: The BMIV is four times more ac-



FAW upgrade.

curate than the BMII.

Out of tolerance reject: The BMIV 5 gate has the ability to reject parts that are 1/3 larger or smaller than the target part. It also rejects over count batches.

Stores Part Set Up by Part Number or Name Reduces Set-Up Time: The BMIV has 10" HMI with easy-to-use job recall and save screen.

Auto Restart: BMIV has the option to restart if the counter faults from gate jam. With this option on the counter will clear the jam, re-home the gates, and restart automatically. This increases production because the operator does not have to look for what stopped the line and take time to fix it.

No Wear Parts: The gates are mounted directly to the servo motors. No linkages to adjust, repair, or replace.

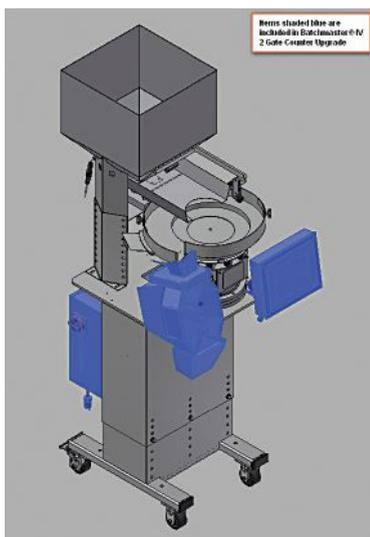
Easy to Operate Controls and Settings: Large color touch screen HMI allows easy operation and set up of counter. Service screens allow you to increase or decrease motor speeds and gate stop points. No special programming or coding is needed from external PC.

And the electronics package is backwards compatible for future upgrades or replacement electronics.

The following Batching Systems, Inc. automated packaging solution system components can be upgraded to customer requirements:

Counters and Weighers:

- Upgrade older model pneumatic counters and Fast Automatic Weighers to stepper motor-driven versions.
- Spring bowl feeders can be upgraded to electromagnetic



BMIV counter upgrade.



F178-6 bagger before refurbishment.

versions increasing product throughput, eliminating replacement parts, and minimizing maintenance.

- Complete control systems can be replaced with current version electrical controls including color touch screens, PLC based controls, and UL-listed electrical control panels that provide user friendly intuitive set-up, data monitoring, self-diagnostics, and verified motion control technology.

Baggers:

Upgrade older model pneumatic VFFS machines to stepper motor-driven versions.

Replace machine control systems with current PLC controlled versions, color touch screens, servo motor-driven belt feed systems, and UL-listed electrical control panels.

Upgrade sealing systems and replace imprinters with Windows based programming capability.

Kit Lines:

- We rebuild complete kit packaging lines. Send in your old systems for a complete overhaul. We offer complete refurbishment of bucket conveyors including but not limited to replacement of wiring, guide rails, bearings, buckets and clutch/break systems with servo drive motors providing control over ramp-up and ramp-down of conveyor speed and better product handling.
- PLC controls, color touch screen, and recipe management software which allows for storage of kit recipes, running two different kits at the same time.

At Batching Systems, Inc., all equipment upgrades and refurbishments provided by the company include the same like-new, one-year warranty as our new equipment. Go to our **YouTube** Channel to see a video of refurbished equipment: <https://youtu.be/31D13QpscV8>

We buy back old equipment and offer a trade-in credit



F178-6 bagger after refurbishment.

towards new equipment purchase. Additionally, Batching Systems, Inc. provides Preventive Maintenance Contracts that on average provide customers with a 30% increase in speeds and accuracies.

With more than 30 years of experience in the fastener industry, we continue to provide the fastest, most accurate and robust equipment on the market.

To find additional technical information and equipment specifications, visit the company website.

www.BatchingSystems.com

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Company Profile:

Batching Systems, Inc., which is based in Prince Frederick, MD, USA, specializes in providing engineered automated packaging solutions. In existence since 1989, the company provides stand-alone machines as well as complete integrated turnkey systems for food and nonfood industries. For more information, contact **Raven Easton**, Marketing Manager at +1 410 414 8111, Ext. 140, or learn more at: www.BatchingSystems.com