Upgrade your existing packaging equipment
Upgrading your existing packaging equipment can be a cost-effective alternative to replacing some units or systems. Our experienced team will audit your equipment and determine the feasibility and benefits of upgrading your system to improve its effectiveness.

Why should I upgrade?
There are multiple reasons for needing to upgrade your existing packaging equipment from a need for increase packaging volumes, new industry requirement that require a change to your existing products, safety concerns or old inefficient equipment to rebuild. We have upgrades available for our legacy brands including but not limited to: Control Systems, Safety Upgrades, Change Parts, End-of-Arm Tooling, Certified Pre-owned Tray and Bliss Formers, Top and Tier Sheet Dispensers, Pallet Dispensers, Packaging Line Relocation, Line Layout Changes, Pattern Changes, Obsolete Components, Complete rebuild of machine, Palletizer and Depalletizer Upgrades, Updating earlier models with latest innovation advancements.
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**Electrical**

**Allen-Bradley PanelView Plus Touch Screen**
Replaces obsolete touch screens, pushbutton type control panels, or data liners with a touch screen type. Operator can choose between systems screen, run screen, product sheet screen, and a diagnostic history screen. This allows operator communication with the PLC and eliminates the need for a laptop computer to make adjustments.

**Communication Display**
This upgrade consists of our 42" Production Display Screen. Provides the ability to see your production output from a distance. Shift efficiency and daily run statistics are readily available. This includes being able to view when the last downtime was, and why.

No matter how old your PLC is, we can communicate with it or we can offer you a completely new control package to replace your obsolete platform.

**Category 3 and 4 Interlock Safety Upgrades**
The BEFORE image below depicts the OLD Category 1 safety circuitry, which features a door switch and safety relay. This safety circuit is more susceptible to failure than the new Category 3 circuitry.

The AFTER image below shows the Category 3 safety circuitry, which features door switches with redundant contacts (two) and a monitoring relay that monitors and detects safety levels.

**Industrial Communication Router**
Combines a modem and an IP router for both serial and Ethernet PLC protocols, allowing a qualified person to remotely observe and make changes to the PLC program.

**Safety Fencing**
Your existing robot cell safety fencing will be upgraded to the latest safety fencing - meeting all OSHA standards. This fail-proof technology includes the Category 3 Interlock Safety Upgrade.

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Mechanical

End-Of-Arm Tooling
Handles a variety of products such as corrugated cases, bags, and shrink bundled packages. We will determine the correct end-of-arm tooling for your product and production rate. We offer vacuum grippers, fork style tools for bags or heavy product, and clamping tools. Pallet forks and slip sheet vacuum can also be added to increase the productivity of your robot tooling. Programming, installation, start-up support, and training can be provided.

Pallet Dispensers
Automatic pallet dispensers and conveyor systems for single or multiple robotic palletizing lines. In order to maximize production uptime, BW Integrated Systems can design this empty pallet station so it never shuts down the robot operation. The slip sheet dispenser can also be provided as part of this upgrade.

Servomotor Case Turning Device
Allows for a positive 90 or 180 degree rotation of cases before the layer pattern is formed. It can eliminate extra motion of the robotic arm to increase overall production speed and efficiency.

Sheet Dispensers and Placers
If your pallet build requires a slip or tier sheet, we can add sheet placing functions to the end of arm tooling. Or, it can be designed as a stand-alone slip sheet dispenser/placer that does not interfere with the robot’s production speed.

Vacuum System
If your robot is dropping product during case packing or palletizing, it may be due to your product size/shape/weight, vacuum pump, or vacuum blower. We have the knowledge and expertise to create a solution that fits your requirements, such as engineering the vacuum system to match the weight requirements. Or in the case of the below image, we developed a solution utilizing individual vacuum source zoned cups.

Production Line Upgrades

Line Expansion
BW Integrated Systems can assist in adding an additional packaging line to your existing robotic system. We can determine the best design to optimize your robotic throughput. As an original equipment manufacturer (OEM), we can manufacture all your conveyors, components, and tooling. We can also provide installation, start-up support, and training from our highly-qualified service team.

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Global Markets
BW Integrated Systems provides diverse solutions to a variety of market segments around the Globe:

- Container Manufacturing
- Food
- Beverage
- Beer
- Dairy
- Wine and Spirits
- Home and Personal Care
- Industrial and Automotive
- Paper
- Bakery and Confectionary

Global Manufacturing
BW Integrated Systems has seven global manufacturing facilities.

- Romeoville, IL USA
- Doncaster, S. Yorkshire UK
- Fergus Falls, MN USA
- Loveland, CO USA
- Lynchburg, VA USA
- Minneapolis, MN USA
- Reedley, CA USA

Contact one of our representatives today to set-up an appointment to review your current needs for any of the above brands.

BW Packaging Systems
bwPackagingSystems.com

FILLING, SEALING, SEAMING & CAPPING

Synerlink
Synerlink.com

Rigid Form-Fill-Seal | Rigid Fill-Seal
Complete Line Integration

Pneumatic Scale Angelus
Angelus.com

Filling | Capping | Seaming
Labeling | Centrifuge

Vertical Form-Fill-Seal | Horizontal Form-Fill-Seal | Pre-made Bag Filling
Bag Converting | Product Feeding & Weighing | Bag Conveyance & Palletizing
bwflexiblesystems.com

LABELING & SLEEving

Accraply
Accraply.com

Labeling | Sleeving | Converting

END OF LINE & SYSTEMS INTEGRATION

BW Integrated Systems
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Palletizing | Depalletizing
Feeder & Placers | Cartoning
Case Packing | Bliss, Tray & Case Erecting | Conveyance & Controls | Can Handling | Can End Handling | Robotic Solutions
Systems Integration

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