



Tray and Bliss Upgrade Catalog



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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To learn more about Barry-Wehmiller Packaging Systems go to BWPackagingSystems.com

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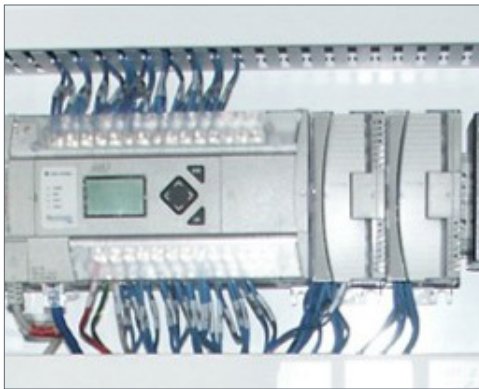
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Electrical Upgrades

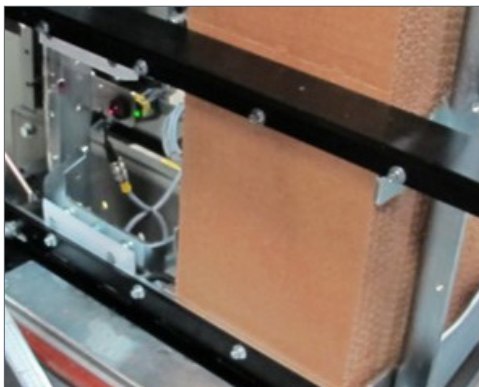
Allen-Bradley PLC

Replaces obsolete relay logic control systems. Upgrade provides ability to get Ethernet capabilities to your machine. This could be mandatory if system is upgraded to an HMI touchscreen interface. System will be upgraded to an Allen-Bradley Logic Series PLC (size is dependent on machine).



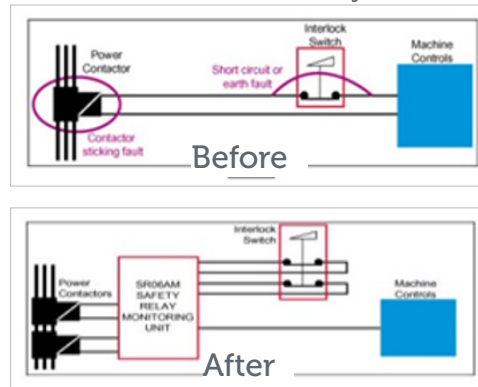
Body and End Panel Misfeed Detection Eye

Adds sensors that detect a misfeed corrugated blank and shut the machine down. Keeps damaged blanks to a minimum.



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.



Compression Time Delay

Adds a time delay, in the compression section, to allow the proper seal of tray or bliss cases. It is especially useful when wax board is involved. Can delay from 1 to 20 TPM.



Dual Glue Trigger Photoeye

Adds a second photo-eye, requiring both photo-eyes be activated before the glue pattern starts. This reduces false glue triggers.



HMI Touchscreen

Replace pushbutton controls with a touchscreen. Note: The PLC may need to be upgraded at the same time, due to Ethernet connections. The upgrade may be adding a couple new screens to your existing HMI touchscreen. Can be Monochrome or color.



Electrical Upgrades

Low Level Magazine Eye with 3-Color Beacon

Includes a photo-eye and light beacon to notify the operator when the magazine is getting low. The Alarm can be a flashing Yellow light on the 3-color beacon, which can be separate from this upgrade.



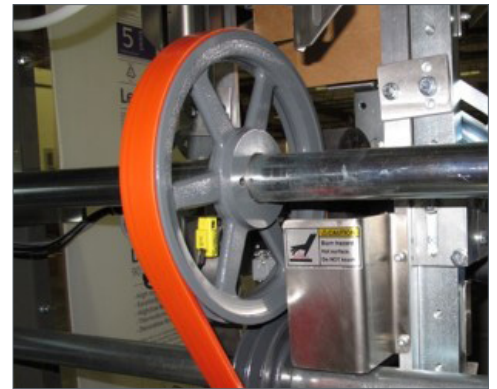
Remote Start/Stop Control Box

Gives the operator a second station to start and stop machine that will be closer to their working area. For example, if the operator is always at the front of the machine, then this remote station could be located in that area.



Drive System, Belt

Add the belt drive system for better control of blanks through glue application. Upgrading to a second belt drive feed mechanism allows for even better control.



On-Demand Case or Tray Downstream Photoeye

Adds a sensor which mounts to the exit conveyor. When cases back up to the sensor, the machine will cycle to a stop. When cases clear the eye, machine will start automatically.



Mechanical Upgrades

Compression Rails, Extended

Allows the system to accumulate form trays in compression.



Fulfill System, Nordson

Eliminates the need to continually fill glue tank by taking glue pellets from a large tote. Helps prevent charring of hoses and gun nozzles.



Mechanical Upgrades

Guard Package, Full Perimeter

Safety is our number one concern. We introduced the guard package that will protect your team from injury on your Tray or Bliss former. This guard package includes see-through polycarbonate on metal hinged frames for easy access



Guard Package, Full Perimeter Vertical

The counter balance vertical guard system is designed for machines where you cannot swing doors open. With a weighted counter balance design, it allows an operator to easily vertically lift the guards to clear a jam or do maintenance on the Tray or Bliss machine without worry about injury or damage to the machine.



Guide System, Linear Mandrel

Provides a linear guiding system for mandrel movement. With this guiding system, mandrels can be changed-over in less than 5 minutes without tools. It also improves performance and reduces maintenance.



Hopper, 5' Horizontal Powered

Gives operators time to monitor multiple machines. This powered, horizontal magazine holds 250 blanks. If running more than one size blank, we can supply this with Kwik-Change features.



Hopper, 10' Horizontal Powered

Gives operators time to monitor multiple machines. This powered, horizontal magazine holds 550 blanks. If running more than one size blank, we can supply this with Kwik-Change features.



Hopper, Extended Body

This extension to the body hopper will allow the operator to load 50 additional blanks into the hopper.



Mechanical Upgrades

Hot Melt System, ITW Dynatec

Upgrades the glue system to the latest technology that Dynatec has to offer. Also includes a custom stand for the unit.



Kwik-Change Crank Adjustable Bottom Stops

Allows faster changeovers between multiple sizes of boxes, and is hand-crank adjustable.



Kwik-Change Crank Adjustable Vertical Guides

Allows faster changeovers between cases of different vertical dimensions.



Hot Melt System, Nordson

Upgrades the glue system to the latest technology that Nordson has to offer. If it is upgraded on a non PLC machine, we will add the Nordson pattern controller to assure the proper glue pattern. Also includes a custom stand for the unit.



Kwik-Change Crank Adjustable Hopper Brackets

Allows faster changeovers between multiple sizes of boxes, and is hand-crank adjustable.



Kwik-Change Depth Adjustment

Eliminates the need to continually fill glue tank by taking glue pellets from a large tote. Helps prevent charring of hoses and gun nozzles.



Mechanical Upgrades

Legs, Adjustable

Adjustable Leg upgrade is a threaded shaft with a foot pad that allows adjustment of each leg individually for leveling the machine on an uneven floor.



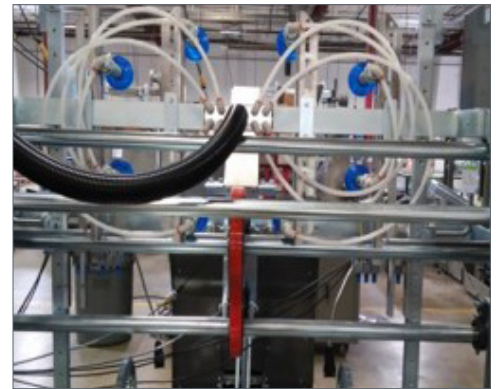
Mandrel Drive, Servo

Improves overall performance and speed of the mandrel drive system. Guided by linear Bearings for long life and durability. With programmable motion, you can change the mandrel so it can ramp up to speed fast and change speed profile during the motion of the drive.



Pick System, Rotary Vacuum

Designed for machines with an existing scissor vacuum pick or mechanical pick system. Allows for more efficient rotary vacuum picking.



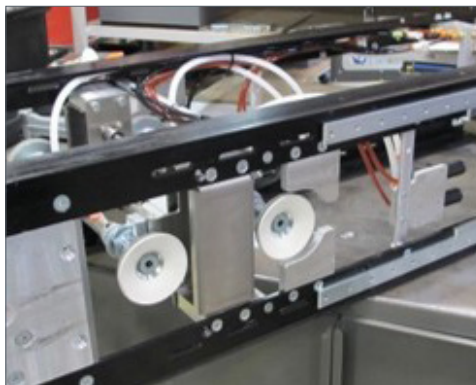
Lidding Attachment (HSC), New Style

Horizontal powered HSC ligger with improved opening design. Requires electrical upgrade.



Mandrels, Replacement / Conversion

If mandrel is worn, misplaced, or blank configuration has been changed, we have OEM replacement mandrels. Options are: diagonal corners; regular 90 degree corners; Kwik-Change features; air pushers (this can be added separately in the field); mechanical pushers; under minimum size; collapsible mandrel; vacuum assist; for extended stroke machines.



Platform for Blank Loading Assistance

Comes with steps so the operator can load the magazine at a more favorable position. It is custom designed to your actual machine's height and needs.



Mechanical Upgrades

Plows and Shoes, Anti Scuffing

Reduces marking during forming of the blanks - especially when used on tray bodies which are white or printed.



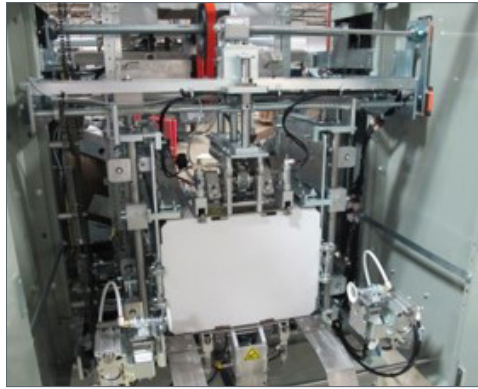
Poultry Package

Includes grooved forming shoes for waxed board, belt feed, and electronic time delay.



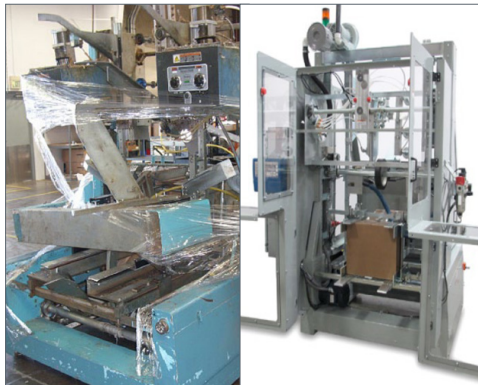
Powered Discharge

This mechanism will discharge the last case in compression to assure there will be no locking of formed trays or cases as they exit the former.



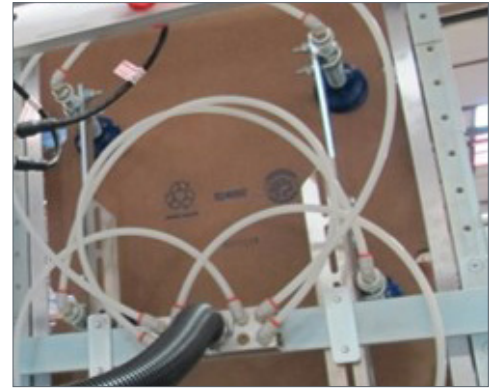
Rebuild / Remanufactured

Machine will be audited, worn parts will be replaced with new components that are guaranteed. We will make sure the system has the latest Category-3 safety guard package, and add any upgrades as requested. We also offer Remanufactured Formers that come with a full one-year warranty. These machines are kept in stock for quick delivery, in case your budget does not include a new machine.



Vacuum Cups for Picking blanks, Additional

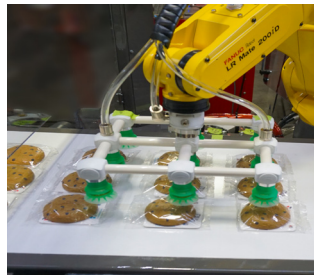
A second set of vacuum cups can be added to help pick large blanks from the magazine. If the blanks are special and have cutouts, etc., we will upgrade it to a special vacuum cup arrangement.



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

A Combination of Strengths



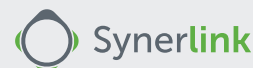
A Legacy of Global Brands

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

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END OF LINE & SYSTEMS INTEGRATION



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Case Packing | Bliss, Tray &
Case Erecting | Conveyance &
Controls | Can Handling | Can End
Handling | Robotic Solutions
Systems Integration

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