



Cartoning / Case Packing, Erecting, Sealing / Placing 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.

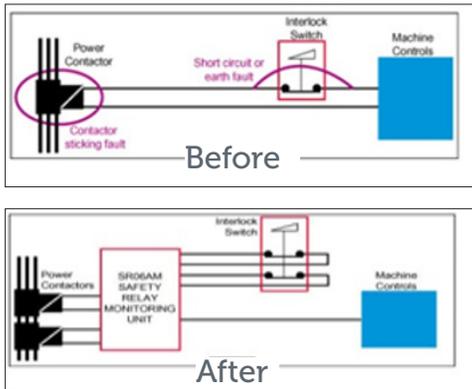
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Electrical Upgrades (All Products)

Interlock Safety Upgrades

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



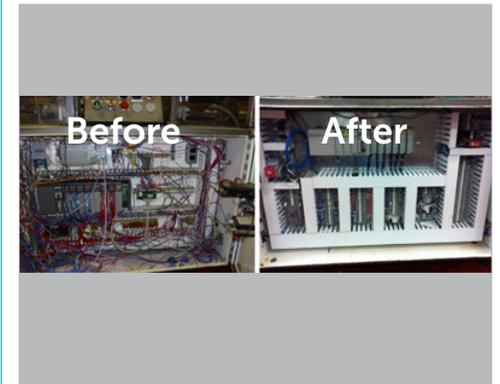
Industrial Router

New drives operate faster and perform better than old, obsolete drives. They provide "safe torque off" function as an option, if required, and have better and more programming options. They also offer ethernet IP communication, if required.



PLC

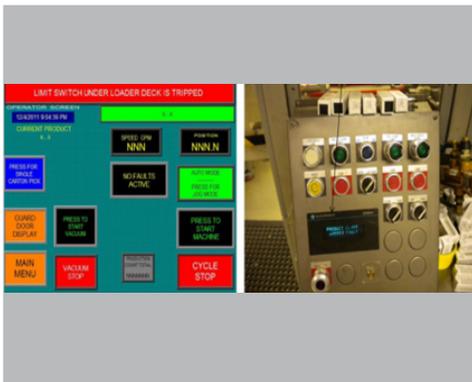
This Logix Series upgrade (size dependent on machine) replaces the PLC 2 & 5 Allen-Bradley Controllers, and the SLC family through model No. 503. The upgrade features Ethernet capabilities for your Thiele machine, which could be required with future HMI touchscreen interface updates.



HMI Touchscreen

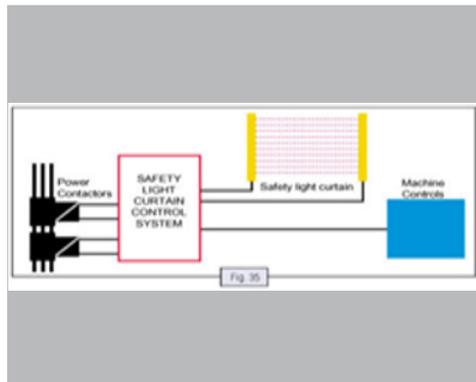
The HMI touchscreen effectively replaces push-button controls. The new screens feature history and diagnostic information of downtime and jams, preventative maintenance alerts, product recipe

This upgrade may require a simultaneous change to the PLC due to ethernet connections, or multiple screens to an existing HMI setup.



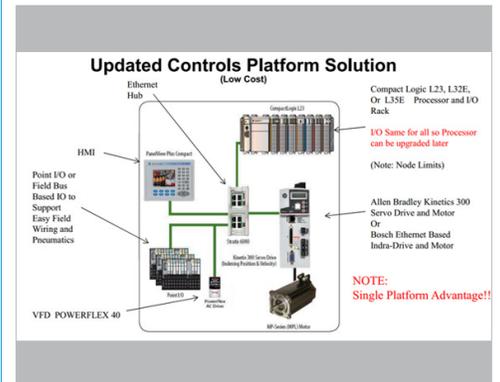
Light Curtain

Designed for areas that cannot be guarded by a light curtain, and are large enough for operators to step or reach in, risking injury. This upgrade will prevent machine shutdown and enhance safety.



Servo Platform

The new panel comes with a PLC. This upgrade will include a fusible disconnect, panels, overload protection, circuit breaker, motor starters, contact blocks, terminal strips, power supply, relays, wire ways, miscellaneous components, and a new documentation package with new electrical schematic.



Mechanical Upgrades (All Products)

Equipment Mechanical Rebuild

We have the capability to rebuild any of our packaging machines. This includes all mechanical parts and electrical control packages. We can rebuild your equipment at one of our facilities or complete the work at your location.



Guard Replacement

Features an OSHA-compliant, NEC-interlocked guard door system. It is compatible with all BW Integrated Systems' equipment, as well as most non-BW Integrated Systems' equipment. Reach-in areas are eliminated, minimizing the chance of accidents and lost time.



Magazine Extension

Magazine extensions can add up to an additional 8 feet of space to your equipment. This extra space is capable of handling anywhere from 400 to 700 more corrugated blanks.



Product Change

We have all the OEM parts needed when you decide to change product shape, size of product, add new product, or change count that goes into your shipping case. We can arrange an audit of your equipment to make sure everything will meet your expectations.



Mechanical Upgrades (Cartoners)

Bucket Drop Gate Conversion

Enables flexible bags or cartons to be placed in a bucket system in a new style. Servo drive accurately places individual or multiple bags in a bucket for loading - maximizing production and improves product settling. Adding to an HMI, adjustments can be made to drop points and position.



Carton Load Pusher Assembly

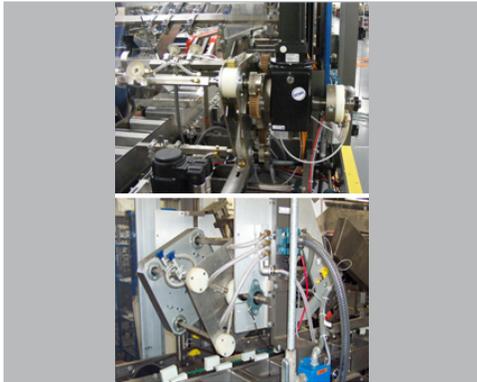
Eliminates the pins on the loader chains, as they are now bolted to the top of the chain. The kit includes new chain guide rails for extended life.



Mechanical Upgrades (Cartoners)

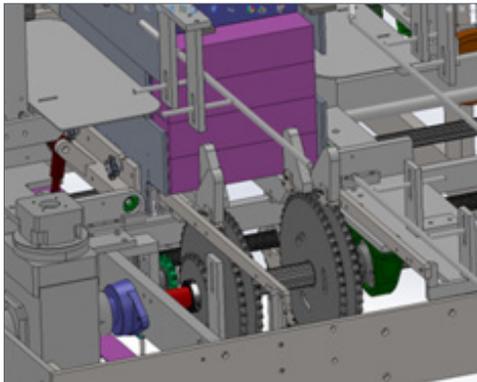
Carton Setup Servo

Directly replaces the old setup unit. It features a servo drive, which communicates through an HMI, simplifying change speeds and pick point adjustments. The upgrade is an on-demand motion setup, as opposed to constant motion. This increases uptime and extends the life of the moving parts.



Front Flight Length Adjustment Servo

Adjusts the main flight chains on your cartoner for a carton-length changeover. Accuracy is ensured with a recipe on your HMI screen. This servo replaces the mechanical phase adjuster that may fail over time.



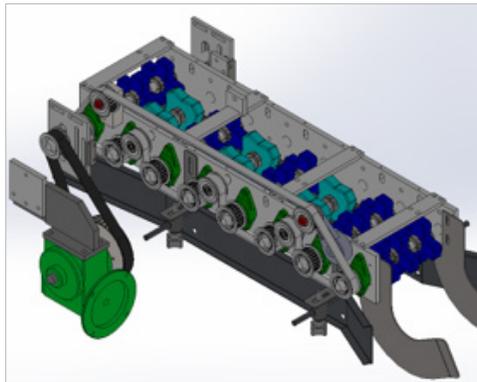
Loader Kit Assembly Replacement

The kit is a complete loader section featuring Thompson shafts, greasable bearing blocks and insert blocks. It eliminates product in-bucket and load and overload cylinder and includes a chain, cams, guides, and rails.



Product in a Bag Leveling Conveyor

If your bag in a box cartoning application needs the product leveled out throughout the bag without damage to the product then this is the conveyor section you need. Built with bidirectional conditioning shafts it will gently level any bag where all product is to one end or the other. Can be added to your conveyor as a separate unit or integrated into your conveyor. Comes in custom sizes to fit you exact needs.



Mechanical Upgrades (Case Erectors / Sealers)

Case Erector Case Sealer Guard package Upgrade

Designed specifically for your older model Thiele brand systems. Guard packages are designed with the latest OSHA standards and institute Category 3 Electrical Safety Standards. Can be installed in the field or at one of our Facilities.



Case Sealer Drive Motor

Allows obsolete drive and gearmotors to be eliminated. The new drive system features standard motor frames for easy replacement, takes less current, and saves electricity.



Mechanical Upgrades (Case Erectors / Sealers)

Case Sealer Upper Section Replacement

Replaces the entire upper section with new design, which improves flap folding compression and adjustments for fine tuning. Retrofitting of the new upper section can be completed with a new or existing tape head.



Rebuild, Complete, CE201

Complete rebuild for a McDowell CE-201 case erector. Machine is disassembled, thoroughly inspected, and an engineering audit is performed. Fabricated parts are replaced as needed to reduce future down time. Set-up and testing are to customer specifications with customer cases. Category 3 guards and safety circuits for Increased Operator Safety. One year limited warranty.



Tape Head for Case Erector or Sealer

Features a new Dekka tape head for improved efficiency and longevity. Its drop-in-place design makes change-out just minutes long.



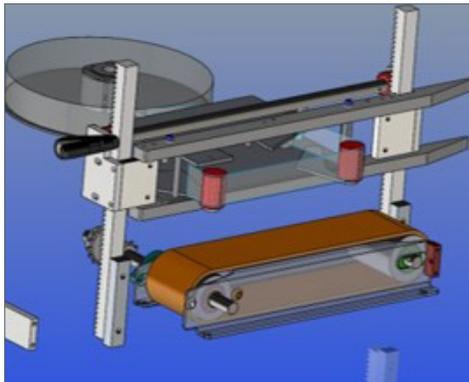
Gearmotor, CE201

This replaces your old Varidrive with a new drive and VFD for better Control. Eliminates erratic motion, coasting when put in a stop position, and extra slip when stopped. The new drive soft start motion also eliminates premature wear of drive belts.



Tape Case Erector Upper Case Drive Bearing

One-way bearing system for the tape head, and top and bottom drive belts. Improves product life and minimizes downtime for repair.



Mechanical Upgrades (Case Packers)

45 Degree Magazine

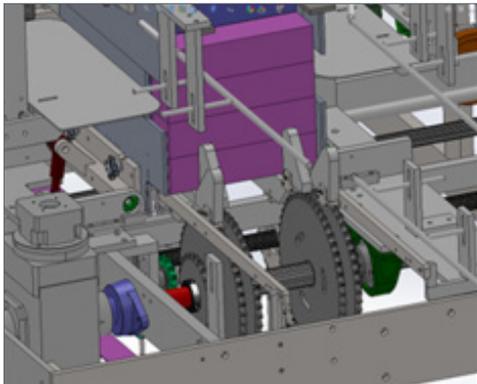
Eliminates the possibility of corrugated blanks falling into the main draw down area when it is full (which causes jams). Simple to change in the field, the upgrade eliminates the magazine jam and optimizes uptime and production



Mechanical Upgrades (Case Packers)

Front Flight Length Adjustment Servo

This upgrade adjusts the main flight chains when performing a carton-length changeover. The accuracy of product size changes is ensured with a recipe on your HMI screen. This replaces the mechanical phase adjuster.



Servo Loader

Increases production speed while maintaining controlled motion. Eliminates quick starts and stops, which cause heavy wear to the machine. Multiple product profiles can be programmed through the HMI for recipe selection. The upgrade is available as a dual load/return lift for the best speeds.



ZPRO Loader Funnel

Eliminates jams and product damage as product is loaded into corrugated containers. The upgrade includes new funnels, cylinders and mounts to assure the replacement fits in your existing case packer.



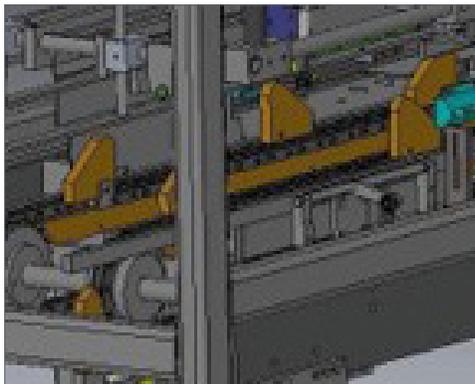
Servo Flight Drive

Features a servo drive on the main flight drive for easy transfer of corrugated containers. The servo drive better controls the transfer and stopping point, and improved speed increases production. Servos can be added to magazine pickoffs and loaders.



ZPRO Flight Redesign

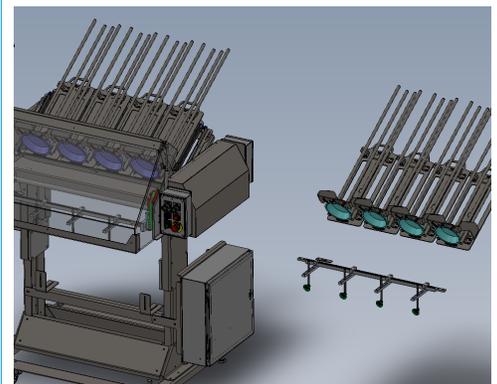
Secures the chain and flights for less wear and more consistent stops. Depth dimension can possibly be decreased slightly (check with your sales representative for exact dimensions).



Mechanical Upgrades (Placers)

Quick Change Hopper

Designed as an upgrade to our models T7300A & T7320A Placers. Smaller cartridge design quick change hopper, which offers better reliability, is easy to handle, and provides the ability to run multiple lanes within range of the machine frame. Includes a new quick change hopper and vacuum shaft with cup assembly.



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

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Handling | Robotic Solutions
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