



Equipment modernizations



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Transform your equipment, transform your productivity

If your Coperion equipment has gone through years of wear and tear it may be time to look at upgrading or modernizing.

Significant advancements in technology and equipment design can improve the overall operation of your equipment.

Why upgrade?

- Remain competitive in your industry with the latest technologies
- Economical way to improve product quality and extend the life of current equipment
- Avoid downtime, obsolete parts, and potential increased service frequency
- Eliminate calibration
- Improve accuracy and consistency
- Improve control and connectivity



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Confidence through partnership

Coperion and its brands, with over 200 years of expertise, proudly deliver solutions that help shape how the world eats, nourishes, and heals.



Modernization solutions for your equipment

Modernization solutions upgrade the equipment you already own with today's performance, reliability, and hygiene innovations – boosting throughput and consistency while reducing lifetime cost without full replacement.

Many of the performance-boosting innovations found in today's new machinery are also available as upgrades for the equipment you already own. Instead of replacing entire machines, you can modernize what's in place with targeted improvements that deliver measurable gains – without the disruption, lead times, or capital outlay of a full replacement.

By eliminating constraints such as limited capacity, unreliable operation, and outdated hygiene design, upgrades remove bottlenecks that cap throughput and compromise quality. Improved controls and mechanical refinements stabilize performance and tighten repeatability, while updated guarding and hygienic features bring older assets closer to modern standards – often unlocking performance beyond original specifications.



These improvements can also extend service life and lower total cost of ownership. Fewer breakdowns and reduced wear mean less unplanned downtime, with simpler, more predictable maintenance and readily available parts. Energy use and waste can often be reduced as performance becomes more consistent and settings are easier to optimize.

From baking dividers to advanced feeder control platforms, we retrofit proven, industry-standard components and robust control solutions. The result is higher uptime, improved consistency, and less maintenance – maximizing the return on your current investment for years to come.

What we upgrade and enhance

- Baker Perkins Extruders
- Baker Perkins Ovens
- Baker Perkins Rotary Moulders
- Baker Perkins Wirecuts
- Coperion Airlocks & Valves
- Coperion Control Platforms
- Coperion Dust Collection/Filters
- Coperion Feeders
- K-Tron Feeders
- Peerless and Shaffer Mixers
- Peerless Sandwiching Machines

Oven rebuilds

If your oven is starting to show its age or struggle with current demands, an oven rebuild can be a cost-effective way to restore performance.

With a substantial global installed base of Baker Perkins ovens commissioned over the past 50 years, many systems continue to operate in demanding production environments worldwide. After decades of reliable service, high-use ovens are often prime candidates for strategic upgrades, refurbishment, or targeted component replacement to restore peak performance and align with modern production standards.

Baker Perkins offers proven rebuild and modernization packages designed to extend oven life, improve reliability and consistency, and safeguard your long-term investment, delivering a highly cost-effective way to future-proof production for years ahead.



Upgrades and component replacement packages include:

Oven modernizations and rebuilds

- Oven zone extensions
- Oven cleanout doors
- PLC controls and gas trains
- Band windout kits

Oven rebuild projects

- Replacement burner section
- Replacement DGF burners
- Re-skinning and insulation

Other oven upgrade options

- Replacement solid bands or mesh belts
- Conversion kits (band to mesh / mesh to band)
- Slides to rollers
- Herringbone grids to rollers

Air flow improvements

- Upsized recirc blowers and motors
- Diffusers, baffles and deflectors
- Preheat additions and insulation returns

Ancillary oven components

- Replacement oven drive or idler
- Oven band tracker
- Oven band brush cleaners
- Cooling systems
- Vibratory takeoff knives
- Oilers

Wirecut and frozen dough machine upgrades



When you need tighter control and easier day-to-day running from your wirecut and frozen dough machine, a head upgrade is often the quickest place to start.

Wirecut head upgrade

Upgrading a wirecut head on an existing wirecut machine provides best-in-class weight accuracy, user-friendly operation and superior sanitation and access for maintenance and cleaning. The wirecut head is designed to be compliant with the sanitary standards recommended by the Grocery Manufacturers Association (GMA).

Upgrades:

- PLC/controls
- Servo driven wirecut mechanism
- Servo driven dynamic band raise
- Servo driven bar cutter
- Servo driven paper cutter
- Servo driven pressing roll
- Wire breakage detector
- Timing belt tensioner conversion
- Dies, filler blocks and wireframes
- Die carts
- Encapsulation units
- Replacement TruClean™ aftermarket wirecut head
- Rebuilt wirecut machines and mechanism options
- Belt trackers



Rotary moulder rebuilds



Rotary moulder rebuilds and performance upgrades

Rebuilds and performance upgrades for rotary moulders are tailored to meet your specific needs. Options range from standard rebuilds, including thorough cleaning and replacement of worn or missing components, to complete rebuilds that return the machine to like-new condition. Complete rebuilds include cleaning, re-machining, painting, knife mechanism overhaul, and full reassembly.

To further enhance performance, we offer upgrades such as variable frequency drive (VFD) motors, pneumatic belt tracking, and hopper extensions, delivering the ideal solution for your equipment requirements.



Standard hygienic upgrade procedures include

- Fill open and unused tapped holes
- Add stand-offs to minimize sandwiching of components
- Change hardware to improve ease of cleaning
- Remove all unnecessary add-ons and features
- Replace knurled knobs with more hygienic hand knobs
- Minimize exposed screw threads
- Sandblast and recoat existing machine base and parts
- Update guarding package to stainless steel when necessary
- Minimize weld pits, spatter and inclusions on machine base

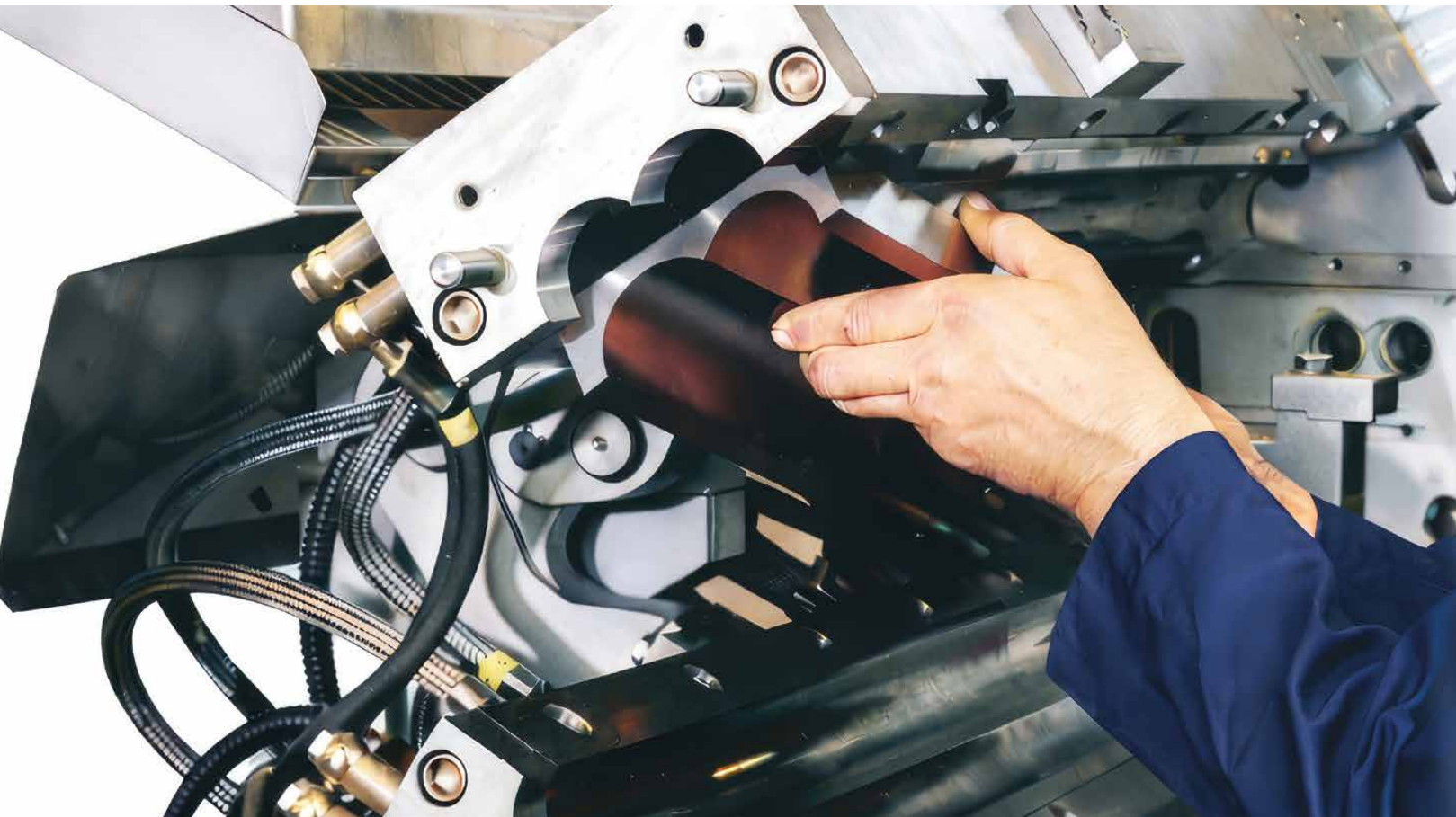
Food extruder upgrades

Lower twin screw extruder maintenance cost and downtime with a one-piece backing block barrel and swap-in liner segment.

Reduce the cost of replacing worn extruder barrels with a new one-piece backing block barrel assembly with liner segments that can be independently removed and replaced. The barrel can be simply renewed by changing the worn liner segments, rather than replacing the whole barrel. This significantly reduces cost and downtime and is available for MPF50, MPF65, MPF80, MPF100 and MPF125 twin-screw extruders.

Additional extruder upgrades:

- Barrel retrofits
- Co-extrusion system for alternate product shapes and filled production options
- Splined shaft conversion
- Multiple die plate and face options designed for a variety of shapes and applications
- Control upgrades and system modernizations



Airlocks & valve rebuilds

Rebuilt valves and airlocks are ideal for everyday operations or as dependable emergency spares, providing reliable performance whenever they're needed.

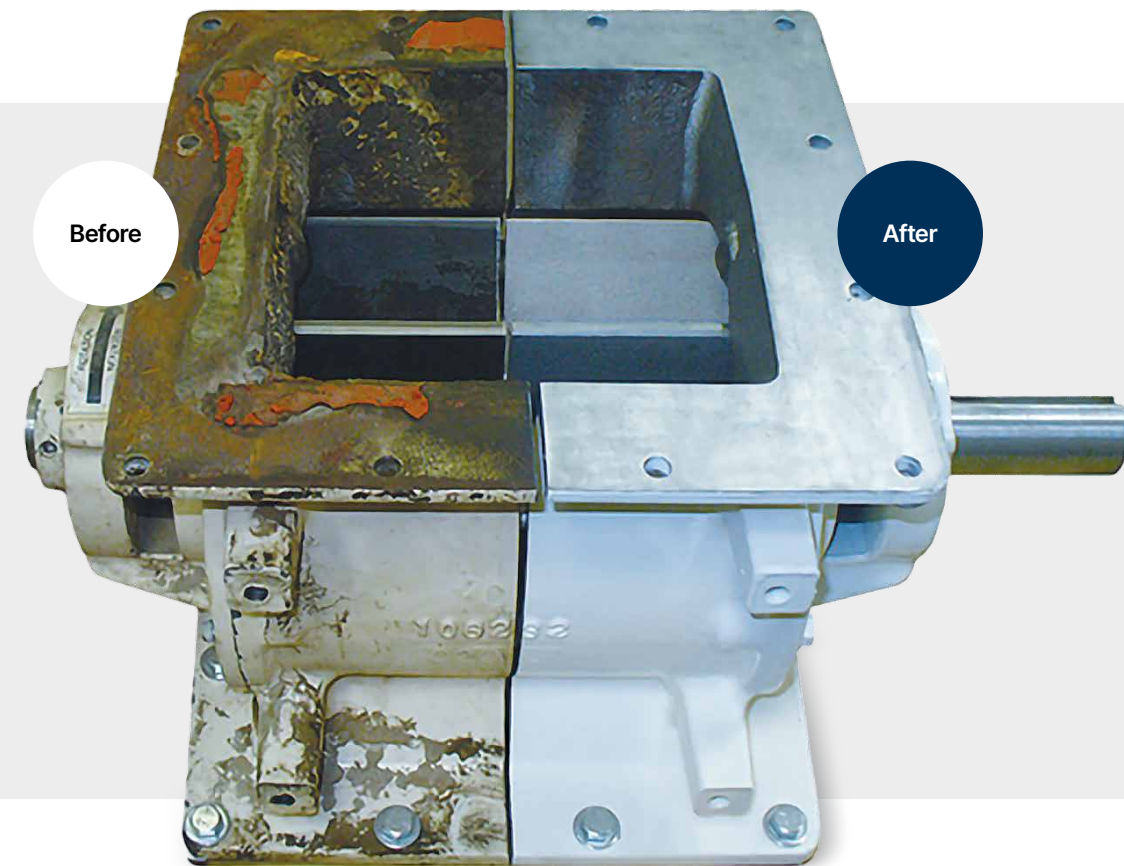
The Coperion Valve and Airlock Rebuild Program can help you reduce total ownership costs by extending the life of your equipment.

Skilled technicians will complete a thorough evaluation of your equipment. Our trusted experts can review the wear patterns, study the application and make recommendations to improve the performance and extend the life of your valve or airlock.

Your product's rebuild history is documented and that information is used to evaluate life cycles, recommend preventative maintenance programs and changes to your process.

Equipment is rebuilt with high-quality OEM parts, and all major components are refurbished. We have the ability to repair and rebuild all brands of valves and airlocks to original manufacturer's tolerances and specifications.

For wear resistance, Coperion offers a wide range of coatings that can be applied to airlock housing bores, endplate faces, and rotor tips/blades.



Mixer upgrades

To upgrade or modernize your Peerless and Shaffer mixers, our experienced technicians assess your equipment and recommend part replacements or retrofit solutions designed to boost productivity and performance.

As technology continues to evolve, our service team keeps you informed of industry trends and equipment innovations. We also have the capability to implement these improvements through mechanical, electrical, and hardware upgrades.



Mixer modernizations and rebuilds include:

- Sanitary shaft seal conversion
- EZKlean slide gate conversion
- Electrical control package upgrade
- Belt drive conversion
- Refrigerated agitator
- Mixer rebuild projects
- Bowl replacement
- Agitator replacement
- Agitator shaft, trunnion ring, bowl mounting assembly replacement
- Lube free bowl mounting options available



Sandwiching rebuilds



Our sandwiching upgrades modernize your Peters machine to improve efficiency and extend equipment life.

For modernizing your Peters high-speed sandwiching machine, our technicians evaluate your equipment and recommend targeted replacement parts and upgrades designed to improve production efficiency and maximize equipment longevity.



Peters sandwiching modernizations and rebuilds:

- Electrical control upgrade (adding servo motors)
- Magazine conversion
- Ability to change stencil assembly for various product ranges
- Sandwiching rebuild projects
- Replacement stencil assembly
- Replacement magazines

Feeder upgrades



Upgrade now to the latest K-Tron feeding technology and performance at a fraction of the cost of new equipment.

If your K-Tron gravimetric feeders were installed more than 10 years ago chances are your process could benefit from a free, no-obligation modernization review.

Why upgrade?

Upgrading to the latest SFT weight sensors and SmartConnex control system delivers these important benefits:

- Remain competitive in your industry with the latest feeding technologies
- Economical way to improve product quality and extend the life of current equipment
- Avoid downtime, obsolete parts, and potential increased service frequency
- Eliminate calibration
- Improve feeding accuracy and consistency
- Improve control and connectivity

Who qualifies?

Consider a Modernization Review if your K-Tron gravimetric feeders (loss-in-weight or weigh belt) currently employ the following weight sensors or controllers:

Weight Sensors

- DMT
- DFT
- SFT-I

Controllers

- 6100/7100 Series
- K10/K10S
- KSSM/KSHM
- SCM
- KCM-I

HMIs

- KDU
- K-LCD
- KSL
- KSC
- K-Vision 10"



Upgrade to what?

In addition to a variety of specially priced Modernization packages, Coperion can put together custom-tailored Modernization packages to fit your needs. If your Modernization Review determines you could benefit from upgrading, you'll receive a quotation including Coperion's latest SFT weighing technology along with Coperion's SmartConnex control system. Start-up by qualified Coperion service engineers. Full one year warranty on all replaced parts.

Upgrade package

- Feeder repairs
- No cost teardown and evaluation
- Full factory warranty for 12 months
- Volumetric to gravimetric and control upgrades
- Calibration verifications to factory specifications
- Volumetric to gravimetric upgrades



Dust collection/filters upgrade

Keep your dust collection system performing at its best with Coperion's baghouse maintenance, repairs, and filtration upgrades.



For routine dust collection maintenance, Coperion offers a comprehensive range of replacement filter bags, cages, and cartridges to keep your dust collection system operating at peak efficiency. Our experienced service technicians can restore your baghouse to a mechanically sound, leak-free condition and upgrade existing systems with more efficient, modern filtration technologies.

- Evaluate performance and airflow
- Replace and upgrade of filter bags, cartridges, cages and other major components
- Repairs and maintenance
- Bring baghouse to a mechanically correct and leak free condition



Control platform upgrades



A well designed control system increases production efficiency. Updating process controls systems allows companies to integrate process with business systems.

- Gain system-wide visibility into productivity
- Streamline ingredient tracking
- Automate manual processes.

Process controls should collect and report process data to give employees from line managers to the CEO instant access to information such as raw ingredient usage, process variables and energy usage.



Global Test & Innovation Centers



With test & innovation centers around the globe, Coperion can identify the best system tailored to your specific application.

Whether it is pneumatic conveying, feeding, sifting, fermentation, mixing, depositing, milling extruding, forming, dividing, baking, decorating or cutting, we have the test facilities to verify the ideal system for your process application.

Helping you optimize your processes

Discover our test center capabilities. With comprehensively equipped Test & Innovation Centers worldwide, we can perform advanced testing to address any challenge in your production process.

Key benefits:

- Test equipment before investing
- Conduct factory tests without disruption



Scan the QR code to find out more

Connect Advisor

Unlock smarter operations with Connect Advisor across your system. Real-time insight and proactive monitoring to optimize performance and reduce downtime.

Connect Advisor

At Coperion, we're reshaping how industrial processes and equipment are managed through our Connect Advisor technology platform. Connecting equipment, data, and expertise delivers real-time insight into performance, condition, and efficiency - giving you greater transparency and control across your operations. This enables more proactive decision-making to optimize performance, reduce downtime, and improve reliability, supported by remote monitoring and faster, more effective service. By turning data into actionable insight, Connect Advisor drives continuous improvement in efficiency, throughput, and overall operational performance.

With solutions that leverage Connect Advisor, you can:

- Gather data that can be used to optimize process performance
- Monitor equipment condition and performance in real time
- Leverage information to enable proactive preventive maintenance
- Enable effective, efficient remote assistance and service
- Identify opportunities to improve processes through engineering and operational enhancements
- Generate actionable analytics about duty cycles, energy usage, throughput and more

Complete after-sales solutions





For technical information,
scan the QR code

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