

innovation

performance

quality



 **FlexPak**

Industry-leading solutions for the flexible packaging industry. Delivered in one package.

Innovate with an industry leader in flexible packaging.

FlexPak Services is a recognized leader in the flexible packaging industry thanks to our advanced laser processing technologies.

Founded in 2008 as a sister company to LasX Industries, we offer complete technical support from package development to full-scale production, resulting in reduced costs and accelerated time-to-market.

Our state-of-the-art, food-grade facility is SQF (Safe Quality Food) certified, and we pride ourselves on upholding the highest standards. We are a certified manufacturer on the FDA's Interstate Milk Shipper's List.

FlexPak's mission is to develop and deliver cutting-edge, laser-enabled solutions that improve the quality, performance, and convenience of flexible packaging.

FLEXPAK SERVICES

Why laser for flexible packaging?

By using LaserSharp® technology engineered by our sister company LasX, we can deliver unique laser scoring and laser perforating solutions that support sustainability initiatives.

LASERSHARP



Process a Wide Variety of Materials

Lasers offer immense flexibility to work with a variety of flexible packaging materials, including traditionally difficult to process materials such as recyclable, polyethylene, and foil laminations.



Perform Cost-Effective Design Iterations

By replacing the time- and labor-intensive tooling process with digitally reconfigurable lasers, you can inexpensively prototype and iterate on product designs to improve consumer satisfaction. Lasers offer maximum flexibility, resulting in reduced setup and lead time, and cost-efficient production throughput.



Future Proof with Laser Processing

Digital workflow capabilities provide the flexibility to perform multiple laser processes in a single station and do not require retooling equipment as customer requirements evolve and new sustainable materials emerge.



Improve Your Bottom Line with the FlexPak Team

Your team of laser experts at FlexPak will guide your laser application from concept development to commercialization, maximizing your consumer satisfaction, product performance,



Deliver Precision and Intricate Designs

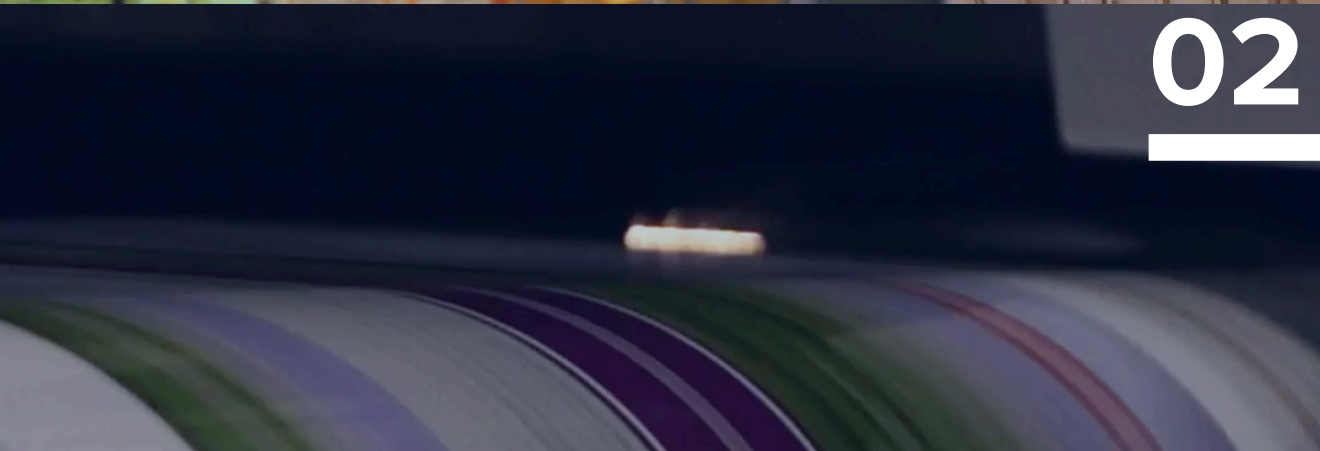
Lasers offer a tool-free, non-contact method for rapidly achieving intricate and small designs not possible with hard tooling. This includes: precision scored depth, smallest hole perforation possible, and contoured laser die cutting.



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Flexible Packaging Equipment

The FreshFocus configure-to-order laser system delivers a versatile, competitively priced, premium solution for creating breathable and easy-open packaging.
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01

Our
Packaging
Product
Portfolio



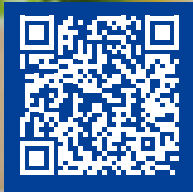
FLEXPAK SERVICES



PrimePeel

Peel-and-Reseal Solutions

Discover how Signature Flexible Packaging enabled happier Red Vines' consumers with PrimePeel technology.



FlexPak's PrimePeel® technology offers food, healthcare, cannabis, and other consumable brands a unique alternative to traditional peel-and-reseal, die-cut flexible packaging. Using a pressure-sensitive adhesive label combined with laser scoring, PrimePeel integrates effortless functionality with a variety of consumer-driven packaging features.

Design features.

- » Works with any film
- » Preserves product freshness for multiple types of packages
- » Opens and reseals completely multiple times
- » No additional cost of a zipper, slider, or other closure
- » Label size and opening can be customized for each application
- » Compatible with current filling lines process
- » Completely hermetic
- » Reliable, laser-enabled scoring and perforation
- » FDA-approved materials
- » Optional tamper-proof design and/or breathable functionality

PrimeVent

FlexPak's PrimeVent® technology portfolio integrates the unique combination of laser processing with controlled release features for flexible packaging. We work closely with you to select the best process for your product.



Discover how our PrimeVent technology is revolutionizing the coffee industry.

PrimeVent Degassing Vent.

The PrimeVent Degassing Vent is designed to control the release of gases and vapors from within a sealed package. This functionality is ideal for:

- » Eco-friendly coffee roasters looking to keep their roasted coffee fresh
- » Packaging undergoing altitude changes during transportation
- » Pet food venting

PrimeVent Steamable Vent.

The PrimeVent Steamable technology is designed to enable effortless steam release. This functionality is ideal for:

- » Microwavable packaging for frozen and perishable foods



X-Fresh

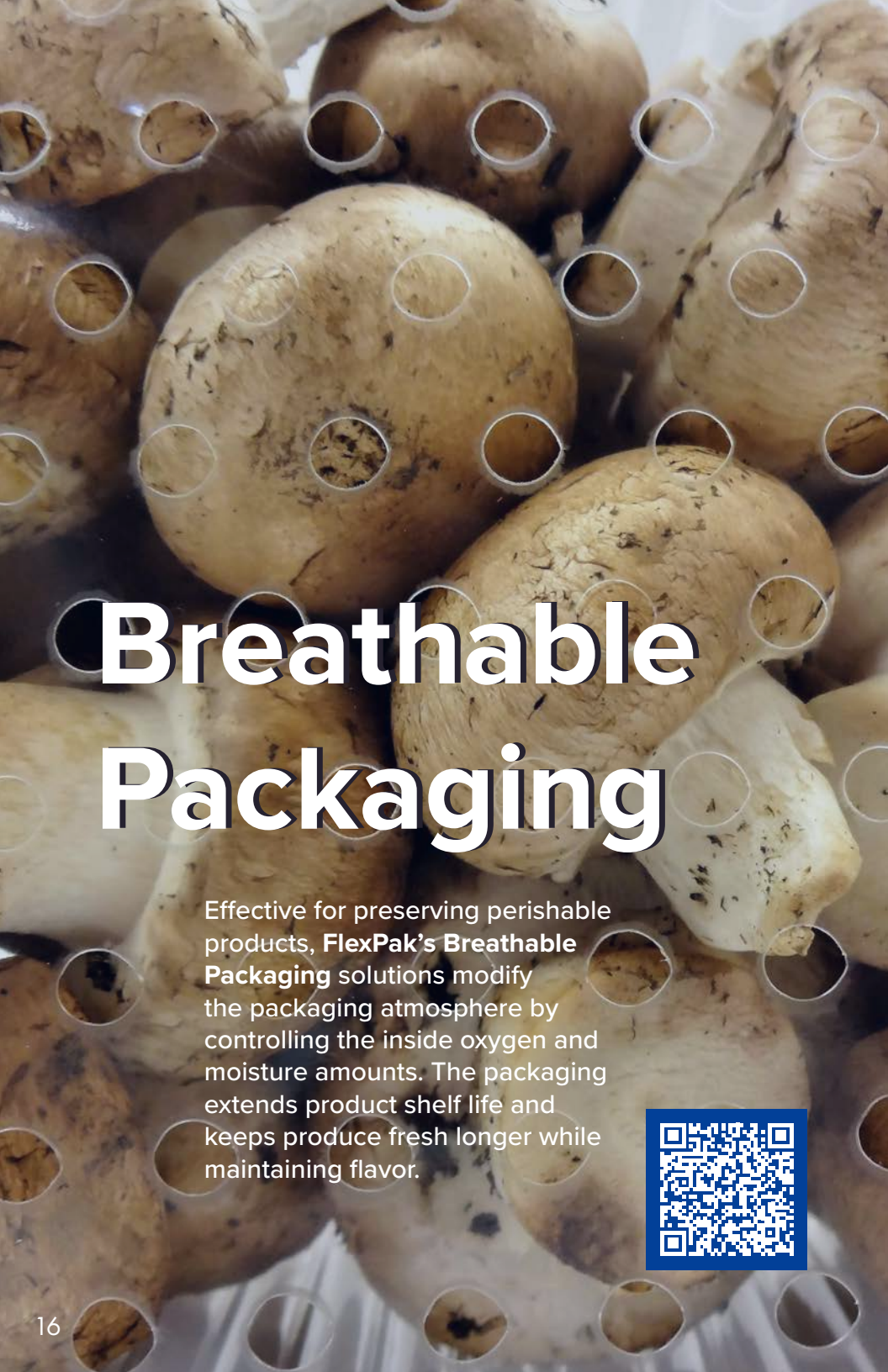
Shelf-Life Extension

FlexPak's X-Fresh technology combines laser processing and other film interventions to extend shelf life. Our X-Fresh solutions are ideally suited for the produce, floral, and cannabis industries.



Advantages.

- » Controls oxygen and moisture levels within the package
- » Maintains hermetic barrier to environment outside of the package
- » Works on trays, pouches, and flow-wrap package designs and any laminated barrier film structures
- » Reduces plastic



Breathable Packaging

Effective for preserving perishable products, **FlexPak's Breathable Packaging** solutions modify the packaging atmosphere by controlling the inside oxygen and moisture amounts. The packaging extends product shelf life and keeps produce fresh longer while maintaining flavor.



Example applications.

- » Microwavable packaging
- » Modified-atmosphere produce packaging
- » Infusion packages for consumables such as tea, cannabis, salts, etc.
- » Carbon dioxide release for meat and seafood packaging
- » Venting
- » Air evacuation





Easy Open Packaging



FlexPak's Easy Open Packaging solutions answer consumer demand for convenience and speed. The effortless functionality of the packaging eliminates the need for knife or scissors while maintaining the package integrity and aesthetic appearance — boosting consumer satisfaction.

Example applications.

- » Retort pouches
- » Flat or stand-up pouches
- » Stick-packs or single-use pouches
- » Straw holes for juice packages
- » Contoured scores for pour spouts
- » Lidding film for trays
- » Zippered pouches

02

**Our
Contract
Manufacturing
Services**



Laser Scoring

Our laser scoring for easy open packaging offers both straight and contour patterns and shapes, and provides benefits such as:


- » Ensuring precise, consistent tearing along the scored line
- » Controlling the score depth and tear propagation
- » Maintaining barrier properties
- » Accessing the product quickly
- » Preventing product spilling out of the package
- » Preventing damage of zippered pouches during opening



Laser Perforating

Our laser perforating (hole drilling) provides adjustable hole size, location, and patterns to:

- » Regulate oxygen to required respiration rates
- » Regulate water vapor and gas transmission rates
- » Reduce condensation and bacteria growth
- » Eliminate residues or drops (when compared to mechanical die cutting)
- » Control product weight loss
- » Produce a precise hole size
- » Caulterize holes around the edges



Laser Processing and Slitting Inline

At FlexPak Services, we have multiple in-house laser processing systems integrated into 52" and 71" wide slitter-rewinders ready to run production. We are confident our offerings deliver a reliable, cost-effective, and commercially-scalable service to our customers.

- » Operates on machine speed of 1,600 fpm
- » Delivers edge trimming, shear, and razor slitting
- » Features unwind diameter of 39" or 2,300 lb. rolls
- » Features unwind roll cores of 3" (76mm) and 6" (152mm)
- » Features minimum slit width of 30 mm
- » Features rewind diameter of 24" rolls or 660 lbs. per finished roll
- » Features rewind roll cores of 3" (76mm) and 6" (152mm)
- » Accommodates laser processing and slitting of multiple impressions across web

Strategic Sourcing

Through our decades plus experience in the flexible packaging industry, we've built a robust network of strategic partnerships and supply chain contacts. This enables us to source and secure the appropriate materials to develop your products on time and with the highest quality standards in mind. Need an environmentally-friendly package? We can help.

We also offer pre-made pouches and bag manufacturing, breathable films, thermoforming trays, printing, labels, and coating.

Forget the hassle and allow FlexPak Services to act as your broker.



Product Development

Confidential product development is a core part of our business and in recent years we have established ourselves as a leader in providing innovative solutions to the flexible packaging industry. Our goal is to provide a complete end-to-end solution to our customers that overcomes any existing difficulties, adds value, and ensures an exceptional end-user experience.

Testing and Analysis

At FlexPak, quality is the most vital component of our production process. We perform extensive in-house testing and analysis, as well as careful monitoring of each laser process and production run to ensure we are exceeding your expectations.

- » Microscopic analysis
- » Tensile strength
- » Oxygen transmission rates
- » Headspace analysis

We are SQF (Safe Quality Food) certified and FDA Interstate Milk Shipper certified.



03



Our
Flexible
Packaging
Equipment



Future-proof your packaging investment.

The advantages of FreshFocus laser converting technology include:

- » No restriction for future packaging materials, including recyclable films
- » Highly accurate processing regardless of web speed
- » Easy setup and quick changeovers
- » Digital flexibility to modify patterns or files on the fly
- » Smallest possible features and intricate patterns and shapes
- » Score depth control for consistent depth without penetrating the barrier layer

Engineered by our sister company LasX, the FreshFocus configure-to-order equipment platform delivers a versatile, competitively priced solution that will meet any brand owner's current, and future, breathable and easy-open packaging requirements. FreshFocus solutions easily integrate into any split slitter-rewinder system – boosting productivity and throughput.



Visit our demo showroom.

Not ready to order an in-house equipment solution?

FlexPak offers a demonstration FreshFocus system, integrated into a 1.8m (71") wide slitter-rewinder at our facility in Minnesota, USA.



Ready to start a conversation?



Contact sales@flexpakservices.com.
flexpakservices.com

