

Pharmaceutical Labeling Solutions

Engineered label materials for pharmaceutical use



Why Flexcon

Creating bonds every day

For nearly seven decades, Flexcon has been at the forefront of pressure-sensitive material innovation—helping customers across diverse industries achieve their goals. Through a purpose-led, collaborative approach, Flexcon engineers and manufacturers high-quality pressure-sensitive labels, tapes, and functional materials that drive product performance and sustainability. Our solutions, backed by expert guidance and consistent quality, are designed to bond, protect, label, and enable the world's most critical innovations.

Proven performance

- Engineered for the harshest storage conditions
- Tested directly on medical packaging under real-world conditions

Quality assurance

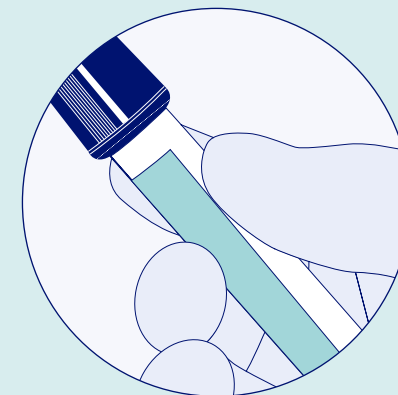
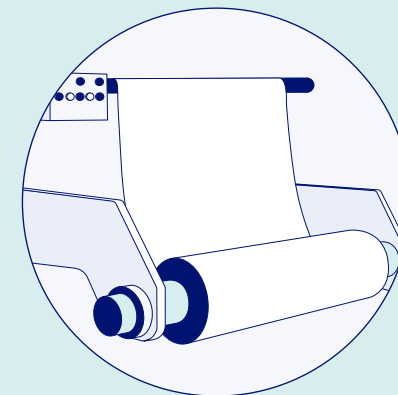
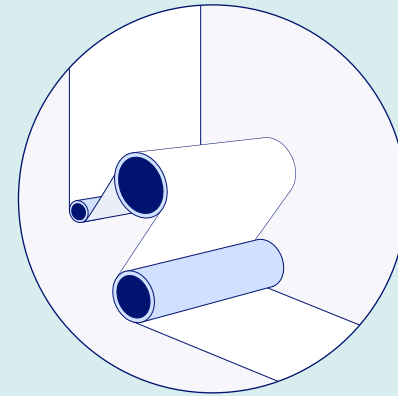
- Strict raw material standards and performance benchmarks
- Certificate of Conformance (CoC) available upon request
- Tailored test plans verify consistent product performance over time

Technical expertise

- Over 35 years serving the healthcare industry
- End-to-end support from product selection to scale-up

Reliable consistency

- Tight quality controls and annual supplier audits
- 6-month advanced raw material notification change
- Cross-functional review by R&D, quality, and manufacturing teams



flexcon.com/pharmcal

Precision in Layers



Exceptional printability

- Reliable topcoats for conventional and digital ink systems to enable cross-platform printability and reduced SKUs
- Chemical and abrasion resistance for long-term readability



Engineered films

- Conformable, flexible films that contour to a variety of package types
- Dimensional stability for high-speed auto-dispensing labeling applications



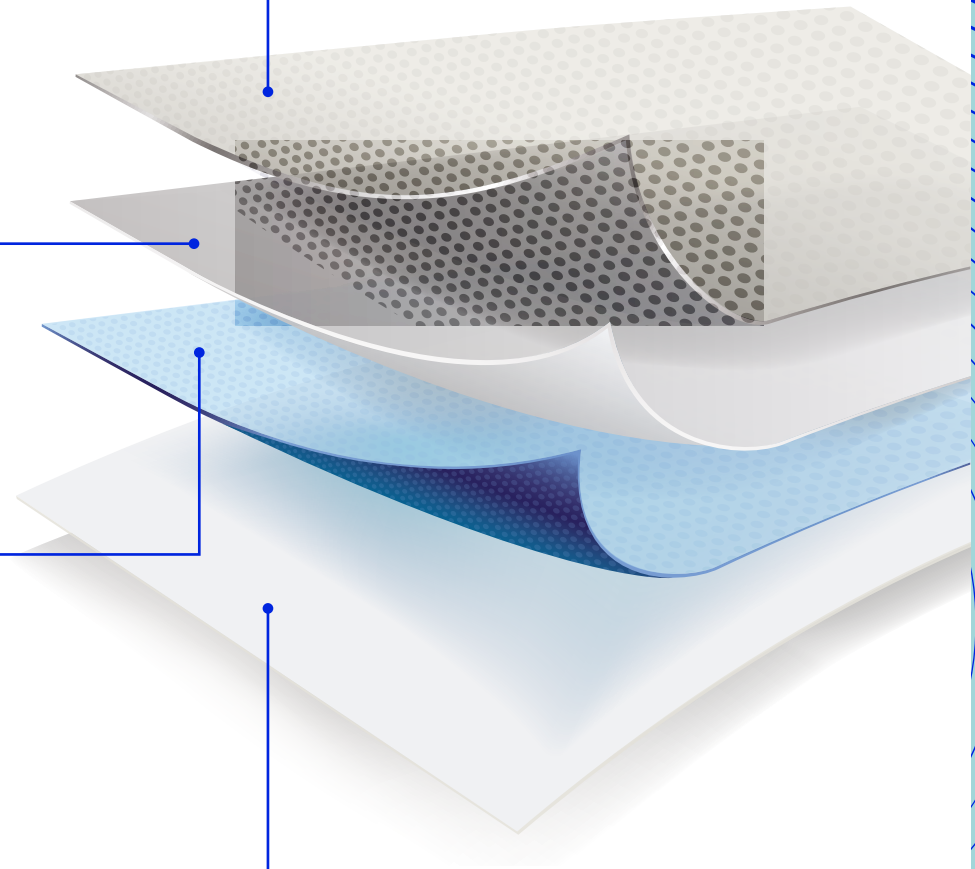
Robust adhesion

- Adhesives developed specifically for the most challenging and demanding applications
- Durable anchorage to plastic, glass and coated paperboard surfaces



Optimized liners

- High tensile strength allows for continuous high-speed processing
- Suitable for high-speed diecutting, matrix stripping, and auto dispensing



Performance by design

Flexcon® PharmCal® product families deliver targeted, high-performance labeling solutions — engineered for precision, made for every pharmaceutical application.

Large Diameter Labeling

For over-the-counter pill containers

PharmCal®
OTC



Page 5

Small Diameter Labeling

For vials, syringes, and ampules

PharmCal®
Supreme



Pages 6-7

Cryogenics & Cold Chain

For plastic and glass vials and tubes

PharmCal®
CryoFlex™



Page 8

Security & Tamper-evident

For pill containers and boxes

PharmCal®
TamperMark™



Page 9

Conceal

For covering pre-existing data on pharma packaging

PharmCal®
Conceal™



Page 11

Blood Bag Labeling

For blood and plasma bags

PharmCal®
BioMark



Page 12

PharmCal® OTC

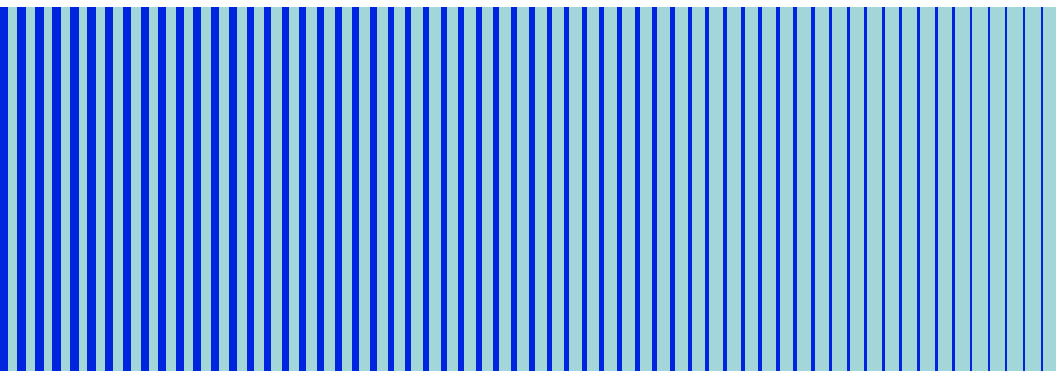
Printable for over-the-counter pharmaceutical labeling

- Exceptional print surface for precision printing and vibrant detail
- Flexible, conformable films wrap smoothly around curved containers
- High initial tack and strong peel adhesion on plastic packaging
- Polyester liner offers excellent roll tracking for tight print registration, high-speed matrix stripping, and high-speed auto-dispensing

- Bleached kraft liner allows back-side registration mark printing for accurate auto-dispensing
- Wide service temperature range from -40°F to 212°F (-40°C to 100°C)
- Meets key safety and environmental standards, 21 CFR 175.105†, REACH, and RoHS/WEE

FLX#	Flexcon® Products	Film		Print			Liner		Process				
		Clear Polypropylene	White Polypropylene	Thermal Transfer Resin or Wax/Resin	Conventional	Narrow-format UV Inkjet	1.2 mil Clear Polyester	2.5 mil White Kraft Paper	Thermal Printer Label Sensing	High-speed Auto-dispensing	High-speed Matrix Stripping	Good Die Cutting	Exceptional Die Cutting
068902	2.0 mil Clear Polypropylene, General Purpose, Film Liner	●		●	●	●	●			●	●		●
068904	2.0 mil Clear Polypropylene, General Purpose, Paper Liner	●		●	●	●		●	●	●	●	●	
068903	2.3 mil White Polypropylene, General Purpose, Film Liner		●	●	●	●	●			●	●		●
068905	2.3 mil White Polypropylene, General Purpose, Paper Liner		●	●	●	●		●	●	●	●	●	

†FDA CFR 175.105: Adhesives may be safely used as components of articles intended for use in packaging, transporting, or holding food in accordance with prescribed conditions.



PharmCal® Supreme

Flexible for tight-radius containers

- Wraps smoothly around small, curved containers
 - High-performance adhesives prevent lifting and flagging
 - Smooth print surface delivers fine detail printability and reliable barcode scanning
- Clear film gives a clean, no-label look
 - Polyester liner ideal for labeling in clean room settings
 - Sterilization compatible
 - Two-year storage stability

FLX#	Flexcon® Products	Film			Adhesion				Print			Process				Temp	
		Clear Polypropylene	Clear Polyester	White Polypropylene	Glass	PP: COP, COC	Fluorescing Adhesive	ISO 10993 -5, -10	Thermal Transfer Resin or Wax/Resin	Conventional	Narrow-format UV Inkjet	High-speed Auto-dispensing	High-speed Matrix Stripping	Exceptional Die Cutting	Excellent On-press Registration	-40°F to 212°F (-40°C to 100°C)	-40°F to 302°F (-40°C to 150°C)
069045	1.5 mil Clear Polyester, High-performance, Film Liner		●		●	●			●	●	●	●	●	●	●		●
000211	2.0 mil Clear Polypropylene, High-performance with Fluoresce, Film Liner	●			●	●	●		●	●	●	●	●	●	●	●	
052434	2.0 mil Clear Polypropylene, High-performance, Film Liner	●			●	●		●	●	●	●	●	●	●	●	●	
011974	2.3 mil White Polypropylene, High-performance, Film Liner			●	●	●		●	●	●	●	●	●	●	●	●	
068639	2.6 mil White Polypropylene, High-performance, Film Liner			●	●	●		●	●	●	●	●	●	●	●	●	



Engineered for extreme storage conditions

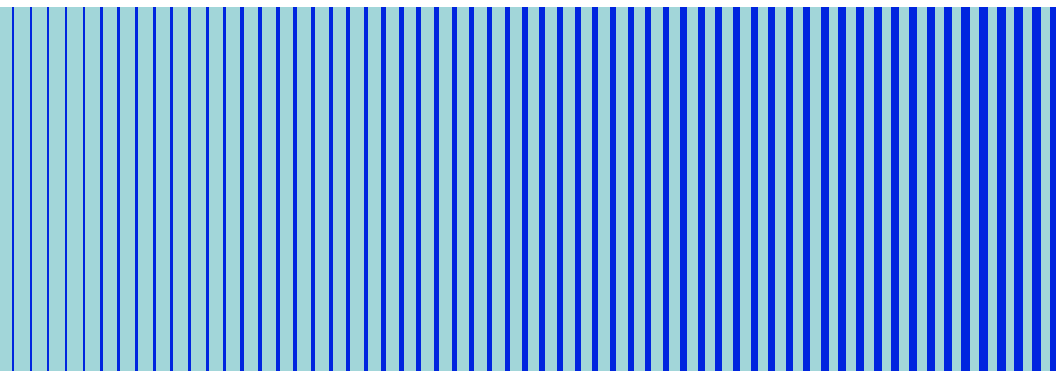
- Reliable adhesion for extreme temperature cycling
- Maintain traceability post-cryogenic storage with a label engineered for both manual writing and high-resolution printing
- Reliable from cold storage to cryogenic extremes, withstanding temperatures as low as -320.8°F (-196°C)

- Strong bond to plastic and glass containers
- Topcoat resists smudging and scratching when thermal transfer printed
- Flexible white polyolefin ideal for bag labeling
- Meets key safety and environmental standards, 21 CFR 175.105†, REACH, and RoHS/WEE

FLX#	Flexcon® Products	Film				Print			Process			Temp	
		Clear Polypropylene	Clear Matte Polypropylene	White Polypropylene	White Matte Polyethylene	Thermal Transfer Resin or Wax/Resin	Conventional	Narrow-format UV Inkjet	Thermal Printer Label Sensing	High-Speed Auto-Dispensing	Good Die Cutting	-320.8°F to 275°F (-196°C to 135°C)	-112°F to 212°F* (-80°C to 100°C)
070806	1.0 mil Clear Matte Polypropylene, Ultra Low Deep Freeze, Permanent, Film Liner with PCR Content		●			●	●	●		●	●	●	
000300	3.5 mil White Matte Polyethylene, Deep Freeze Permanent, Paper Liner				●	●	●	●	●	●	●		●
000302	2.3 mil White Polypropylene, Deep Freeze Permanent, Paper Liner			●		●	●	●	●	●	●		●
000301	2.0 mil Clear Polypropylene, Deep Freeze Permanent, Paper Liner	●				●	●	●	●	●	●		●

†FDA CFR 175.105: Adhesives may be safely used as components of articles intended for use in packaging, transporting, or holding food in accordance with prescribed conditions.

*For PP vials. For EVA bag temperature, visit flexcon.com for applicable data sheet.



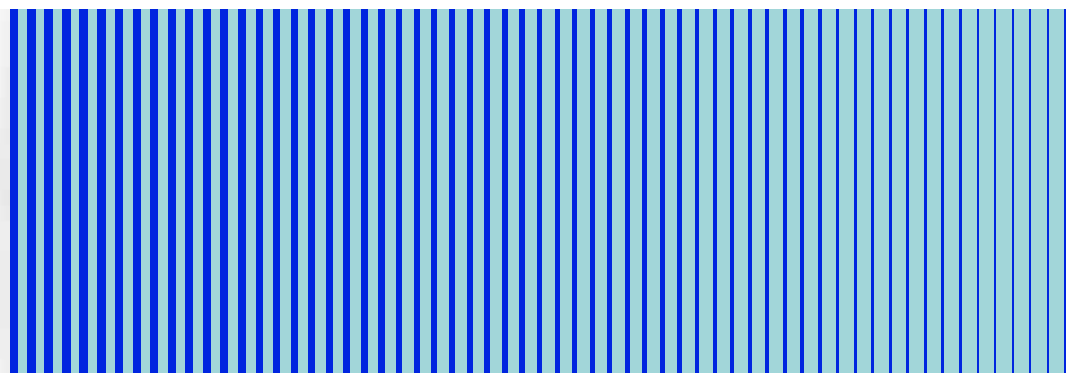
PharmCal® TamperMark™

Tamper-evident for safety

- Built-in tamper-evident features help protect product authenticity revealing visible signs of tampering like VOID or checkerboard patterns, or label destruction
- Film structure designed to destruct by tearing the package upon removal, prevent reuse or relabeling
- Sticks firmly to plastic, cardboard, and other packaging materials
- Meets key safety and environmental standards, FDA 21 CFR 211.132|| and EU FMD§ regulations

FLX#	Flexcon® Products	Function			Film				Print			Process	
		Destructs/ Prevents Relabeling	Tears Cardboard Surface	Leaves Visible Evidence	Polypropylene	Diacetate	Polyethylene	Polyester	Thermal Transfer Resin or Wax/Resin	Conventional	Narrow-format UV Inkjet	Thermal Printer Label Sensing	Quilon®** Prevents Pick Off
006126	2.0 mil Clear Polypropylene, Surface Destruct, Film Liner		●		●				●	●	●		
069087	2.0 mil Clear Diacetate, Film Destruct, Paper Liner	●	●			●				●		●	●
069051	2.0 mil White Polyethylene, Film Destruct, Paper Liner	●	●				●		●	●	●	●	●
069052	2.0 mil White Polyester, Visible VOID Pattern, Paper Liner			●				●	●	●	●	●	●
069053	1.5 mil Silver Polyester, Visible Checkerboard Pattern, Paper Liner			●				●	●	●	●	●	●

*Quilon® is a registered trademark of Zaclon, LLC.



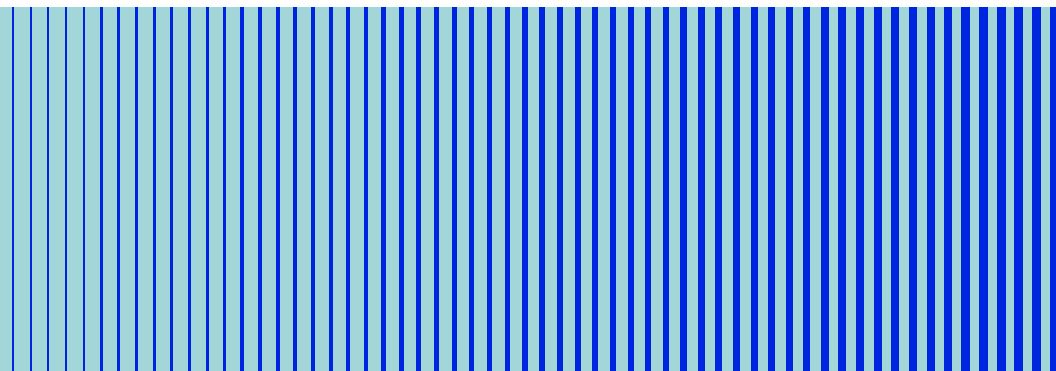
Covers existing markings for relabeling and clinical trials

- Covers existing labels with high-opacity film
- Thermal transfer printable topcoat offered in matte or gloss
- Matte coating allows easy pen writing
- Formulated to reduce the risk of migration through packaging

- Sticks firmly to curved glass or plastic
- Wide service temperature range from -40°F to 212°F (-40°C to 100°C)
- Meets key safety and environmental standards, 21 CFR 175.105†, REACH, and RoHS/WEE

FLX#	Flexcon® Products	Film		Print				Process		
		White Gloss Polypropylene	White Matte Polyethylene	Thermal Transfer Resin or Wax/Resin	Conventional	Narrow-format UV Inkjet	Accepts Pen and Marker	Thermal Printer Label Sensing	High-speed Auto-dispensing	Good Die Cutting
069047	2.3 mil White Opaque Gloss Polypropylene, High-performance, Paper Liner	●		●	●	●		●	●	●
069048	2.3 mil White Opaque Matte Polypropylene, High-performance, Paper Liner		●	●	●	●	●	●	●	●

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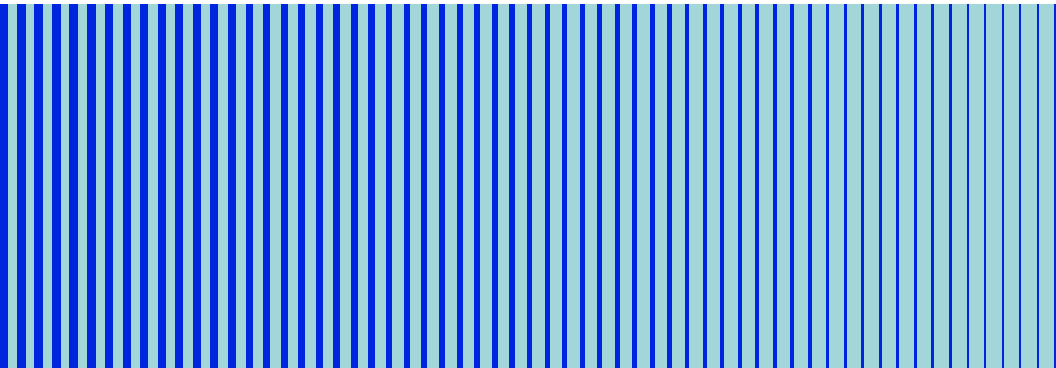


PharmCal® BioMark

Single-ply or piggyback constructions for asset tracking

- Passes hemolysis, cytotoxicity, and irritation testing
- Single-ply constructions print and apply directly to packaging
- Flexible multi-layer design for custom or printable labels
- Passes centrifuge process
- Peel-away top surface liner allows second label use
- Handles extreme temperature cycling and water submersion
- Service Temperature -112°F (-80°C)
- Certified by ISEGA

FLX#	Flexcon® Products	Construction		Film	Adhesion	Print	
		Piggyback	Single-ply	White Polyolefin	ISO 10993-5, -23 (Container Side)	Thermal Transfer Resin or Wax/Resin	Conventional
069165	Piggyback, 3.0 Mil White Polypropylene	●		●	●	●	●
069088	3.8 mil White Matte Polyethylene, Permanent, Paper Liner		●	●	●	●	●

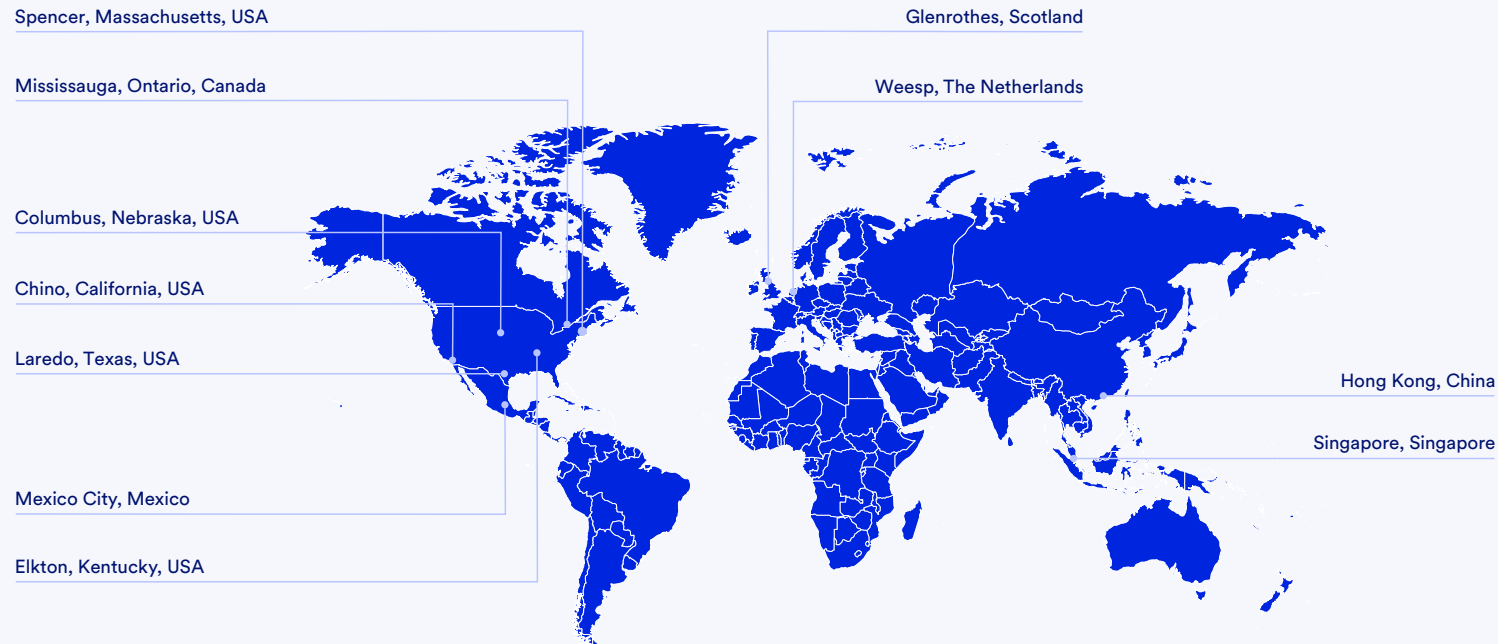


Supporting Businesses Globally

In 1956, Myles McDonough pioneered the first pressure-sensitive film product in a Spencer garage, breaking away from the industry's focus on high-volume commodity products. His vision was to meet the unique needs of innovators seeking new applications for pressure-sensitive films.

Today, nearly 70 years later, Flexcon continues this legacy, serving diverse industries such as packaging, electronics, durables, and healthcare.

Flexcon is a trusted manufacturing partner, known for turning innovative ideas into reality. For over 35 years, Flexcon has been supplying the healthcare industry with adhesives, tapes, films, and coating technologies. Our products support applications in wearables, diagnostics, and labeling.



Flexcon Company, Inc.
1 Flexcon Industrial Park, Spencer, MA 01562-2642
+1 (508) 885-8200 | flexcon.com

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