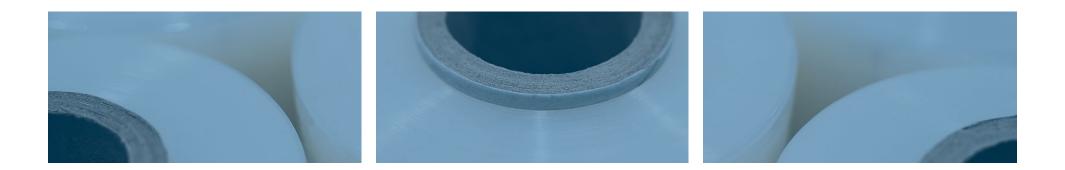


MESIROW INVESTMENT BANKING

2022 Plastic Shipping Container Institute Conference: M&A activity outlook, overview & trends

October 2022



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Introduction



Richard Weil Managing Director Mesirow Investment Banking

Rick Weil is a Managing Director in Mesirow Investment Banking. He is responsible for developing key relationships, leading deal teams throughout the transaction process and providing advisory services on middle-market M&A assignments within the paper, plastics and packaging sectors.

Rick has more than 21 years of investment banking experience. Prior to joining Mesirow in 2000, he was a Manager in the Ernst & Young Transaction Services Group in Chicago and worked in many roles of increasing responsibility at FERS, a boutique CPA firm headquartered in Chicago.

Rick has been involved in more than 125 M&A transactions in the rigid plastic packaging, folding cartons, corrugated packaging, flexible packaging, labels, and related sectors. Notable transactions include:

- Sale of BOX Partners to Charlesbank
- Sale of Pharma Packaging Solutions to Tjoapack
- Sale of Silver Spur to Inmark
- · Sale of El Dorado Packaging to ProAmpac
- · Sale of the Nelmar Group of Companies to Balcan Plastics
- Sale of Quad Packaging's Omaha folding carton business to Graphic Packaging International
- Sale of Flexo Transparent, LLC to C-P Flexible Packaging, Inc.
- Sale of Disc Graphics, Inc. to Oliver Printing & Packaging Company
- Sale of Covertech Flexible Packaging to Balcan Plastics
- Sale of Dallas Plastics to Sole Source Capital

Rick earned a Bachelor of Business Administration and a Master of Business Administration from Emory University. He holds FINRA Series 7 and 79 licenses.

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Education B.B.A., Emory University

M.B.A., Emory University

Profile

Responsible for developing the firm's relationships with plastics and packaging clients

More than 21 years of investment banking experience

Previously a manager at Ernst & Young in the Transaction Services Group

Holds Series 7 and 79 licenses

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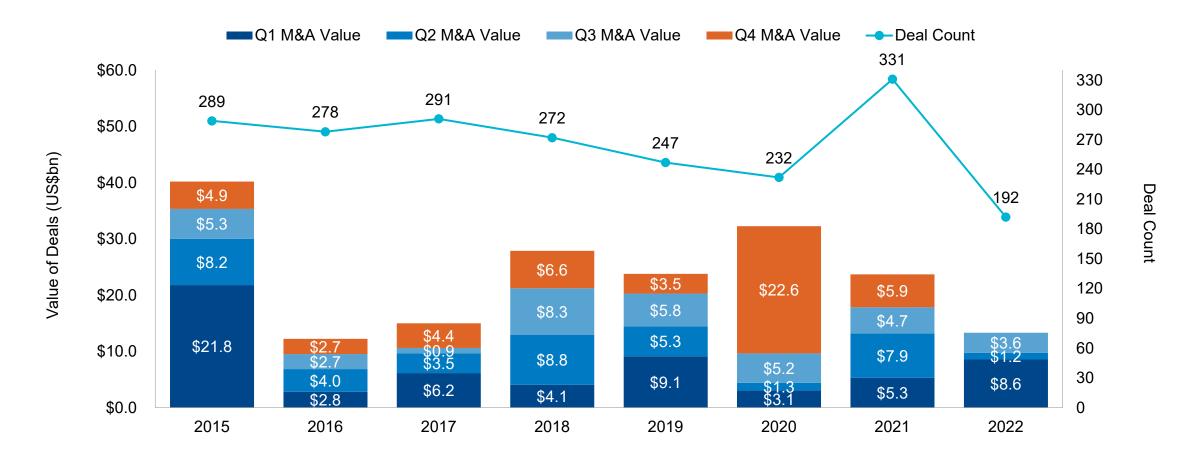
M&A Headlines – A Mixed Bag

Challenging Economic Conditions	 Prolonged Inflation continues to pressure companies, with YoY Consumer Price Index (CPI) at 8.3% in August Rising Inflation has exposed companies to decreased profit margins and a rise in labor costs Decreased company performance has created challenging dealmaking conditions, leading to lower valuations While deal-count is lower than what it was in 2021, current 2022 deal-count is already 555 deals higher than the overall total in 2020 and 556 deals higher than the overall 2019 deal-count total
Interest rate troubles	 In July and September interest rates rose by 75 basis points, causing lower asset prices and pressure on valuations. A future rate hike is expected in December 2022. The cost of debt for PE firms have risen due to the rise in interest rates, creating more uncertainty in M&A deal activity High interest rates have decreased the amount of capital investors have access to, driving interest in smaller middle-market deals.
Interest in Add-ons	 Soth the number and value of add-on deals as a portion of all middle-market deal activity reached all-time highs of 74% and 62.5% Due to the lower multiples, add-ons have been attractive within the middle-market to decrease portfolio multiples compared to acquiring large, expensive platforms.
Potential tailwinds	 Lower valuations are seen by investors as a buying opportunity for healthy assets at a lower price US middle-market PE currently has \$429 Billion of dry powder, demonstrating a healthy market and the ability to close deals Falling stock prices and lower valuations allows for a higher volume of deals to occur, maintaining deal activity within the market

Source: Pitchbook

Global plastics & packaging M&A activity (2015 – 2022)

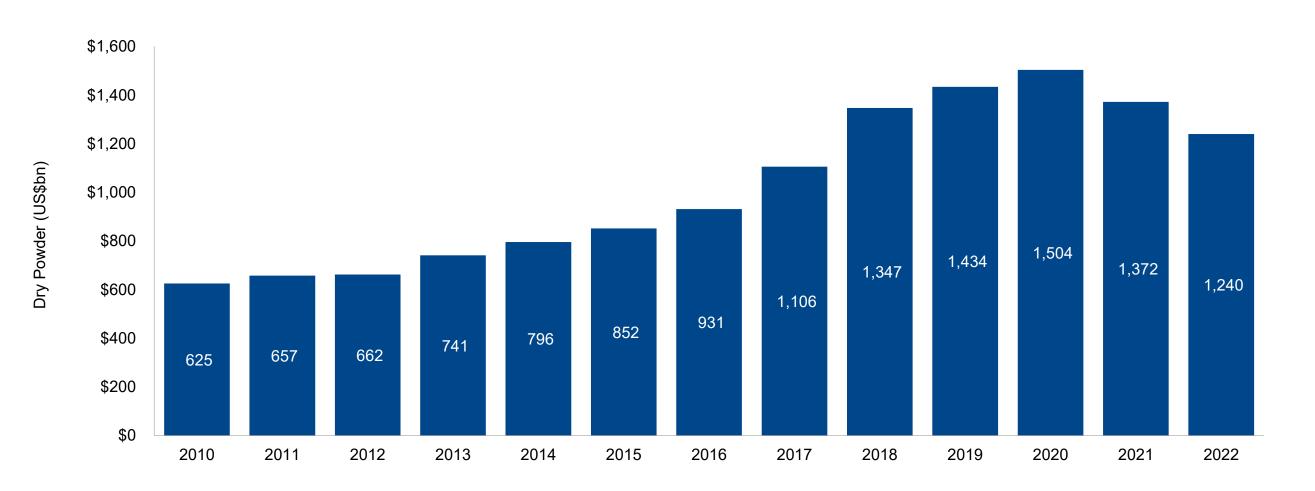
Plastics and packaging M&A activity have been robust in 2021, with record deal volumes throughout the first three quarters



Source: S&P Capital IQ. | Note: Only disclosed transactions are reflective in the M&A value figures.

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Global private equity dry powder of buyout funds

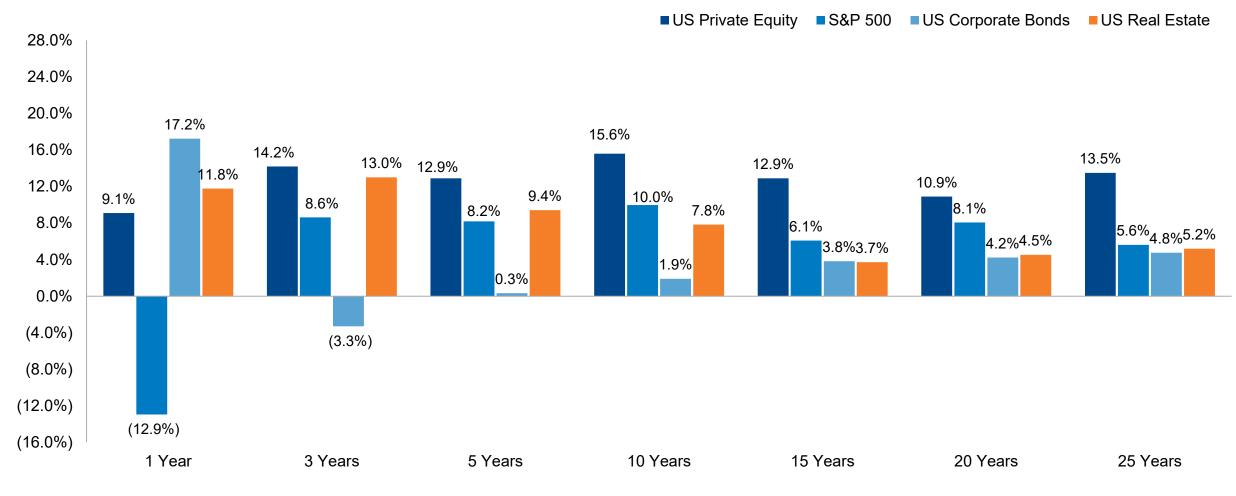


Source: Pitchbook

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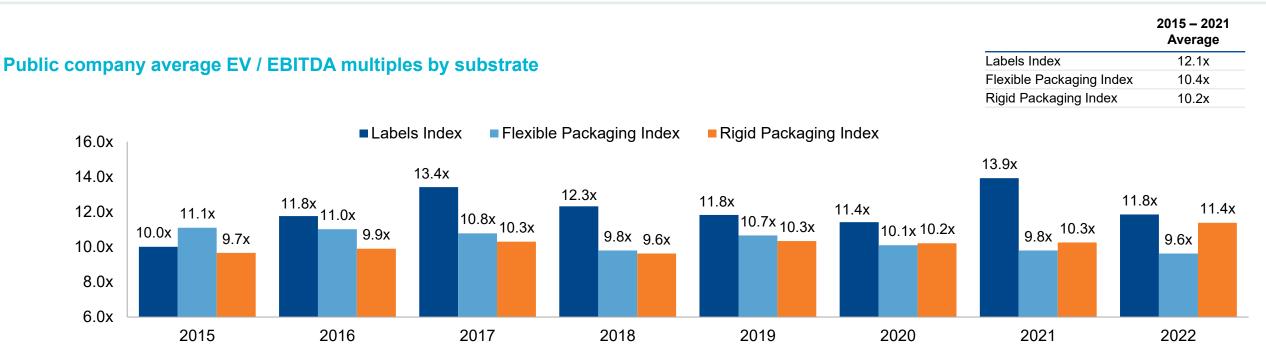
Private equity vs other investments returns

US Private Equity long-term returns have regularly topped other investment options

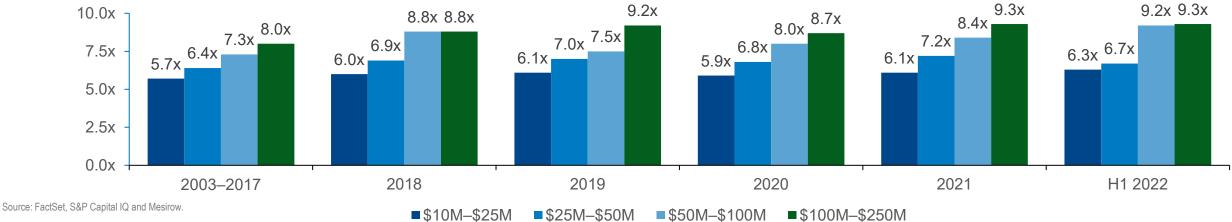


Source: S&P Capital IQ as of 10/5/2022, Federal Reserve Economic Data, Federal Reserve Bank of St. Louis

Plastics & packaging valuation observations



EBITDA Paper & Plastics Multiples by Deal Size Category (2015 – 2022)



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Select M&A activity since onset of COVID-19

Closed date	Acquirer	Target	Target description	Enterprise value	EV / LTM EBITDA	EV / LTM Revenue
Aug-22	Altium	Andersen Plastics	Operates as a blow molding manufacturer	-	-	-
Aug-22	SIGNATURE FLORALE PACKAGING, INC.	ATLAPAC PARKAGING AT FOR YOU INNO-LOK	Operates as a contract manufacturer and distributor of pouches and bags Comprises flexible packaging products business	-	-	-
Jun-22	berlin Pagkading	Andler	Designs, develops, manufactures, and distributes products for packaging and printing needs	-	-	-
Mar-22	intertape polymer group*	Syfan	Comprises shrink and over-wrap films manufacturing business	\$18	-	-
Mar-22	CLEARLAKE	ipg intertape polymer group	Provides packaging and protective solutions for the industrial markets	\$2,516.4	11.2x	1.64x
Feb-22	McKinley		Manufactures and provides recycled containerboard, natural kraft packaging, and printing and writing grades	\$204.4	-	-
Feb-22	sîg	Scholle IPN	Designs and manufactures packaging products for food, beverage and non-food markets	\$1,846.0	18.2x	3.46x
Jan-22	OLIVER INC.		Manufactures and distributes packaging products	-	-	-
Jan-22	Gulf Refined Packaging		Flexible packaging joint venture of Greif Inc., comprised of industrial packaging products	\$246.0	-	-
Dec-21	SONOCO	Ball Metalpack	Manufactures and supplies metal packaging and aerosol containers for household consumables and food	\$1,350.0	-	-
Oct-21	PACIAGING CREATION OF AMERICA	PACKAGING	Comprises 500,000 sq. ft. corrugated products facility	\$189		

Select M&A activity since onset of COVID-19

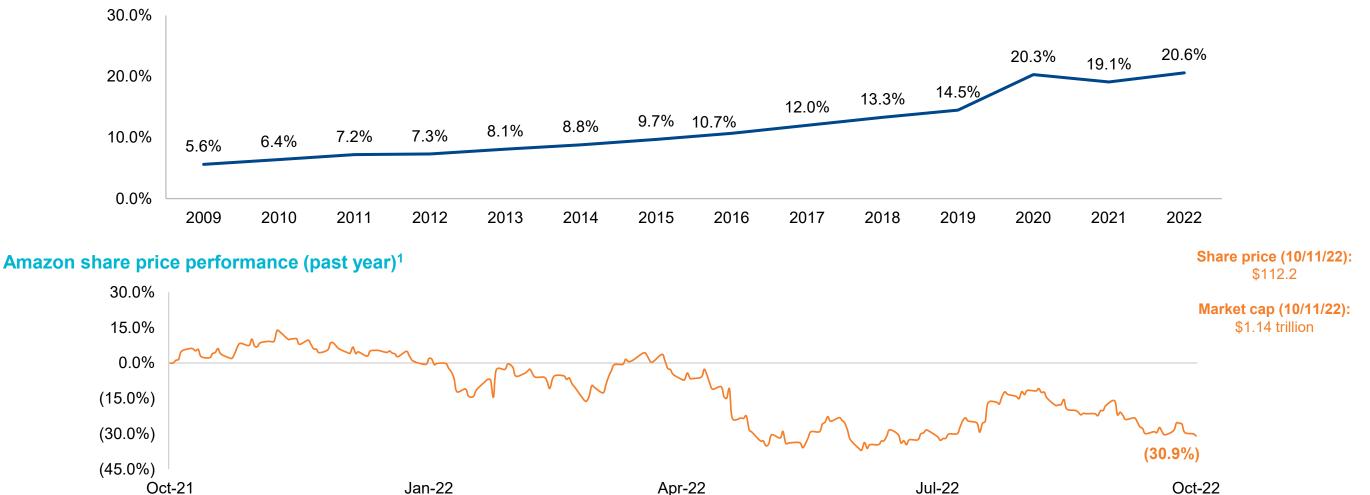
Closed date	Acquirer	Target	Target description	Enterprise value	EV / LTM EBITDA	EV / LTM Revenue
Oct-21	GTCR	PEC FLEXIBLE PACKAGING.	Manufacturer and converter of flexible plastic films, pouches, bags and other packaging solutions	-	_	_
Sep-21		Gateway	Manufacturer of injection molded plastic packaging solutions	-	_	_
Sep-21	SPARTECH	CRAWFORD INDUSTRIES	Manufacturer of customized polyethylene and polypropylene packaging products	-	_	_
Aug-21	Flexible Packaging		Manufacturer of bags, films and barrier films	-	_	-
Aug-21	Flexible Packaging	PRESTIGE-PAK, INC. Rexiste Packaging Materials	Provides printing and laminating services to the food and medical industries	-	_	_
Jul-21	ØARES		Frovides estimized abe design and printing services	-	_	_
Jun-21	SPECTRUM PLASTICS GROUP	1133	Manufacturer of polyethylene products	-	_	-
Jun-21	SOTERIA	REDI-BAG	Manufacturer of polyethylene film and protective packaging products	-	-	-
May-21	Inmark	SS SILVER SPUR	Manufacturer and supplier of glass and plastic bottles and containers	-	_	-
Apr-21	> ProAmpac	EL DORADO	Producer of consumer and industrial multi-wall packaging solutions	-	_	-
Mar-21	DURACO	<u>Filmquest</u>	Converter and metallizer of all grades of PET film for use in the flexible packaging market	-	_	-

Select M&A activity since onset of COVID-19 (continued)

Closed date	Acquirer	Target	Target description	Enterprise value	EV / LTM EBITDA	EV / LTM Revenue
Dec-20	Morgan Stanley Global Private Equity		Converter of labels and flexible packaging for the healthcare, food & beverage and household end markets	-	_	_
Dec-20	balcan	Security Packaging Systems	Producer of extruded film, FFS films and plastic valve bags, as well as tamper-evident security packaging solutions	-	-	-
Dec-20	FLEXIBLE PACKAGING.	CUSTOM POLY BAG, INC.	Manufacturer of polyethylene and polypropylene plastics, bags and films	-	_	_
Nov-20		Berry Flexible Packaging	Berry Global Group's North American extrusion, converting and coating business	\$140	-	_
Nov-20	GOLDENWEST PACKAGING GROUP	PROGRESSIVE Progressive processive processive	Provider of corrugated packaging, flexible packaging, ties and bands	-	-	-
Nov-20	Interpretation Pregis	GRAPHIC INNOVATORS INC. S	Manufacturer of recyclable padded mailers for e-commerce retailers	-	-	-
Oct-20	Revolution BELIEVE IN BETTER PLASTICS	C EQLAS	Manufacturer of plastic film and low-density polyethylene packaging products	-	_	_
Oct-20	MDP	IPL	Provider of sustainable packaging solutions	\$707	7.7x	1.20x
Oct-20	balcan		Provider of film and flexible packaging solutions	-	-	-
Oct-20	\$ ssc	Dallas Plastics Corporation	Manufacturer of blown polyethylene film with printing, embossing and other value-added capabilities	-	-	-
Aug-20	Cosmetic Packaging Industries	60 pibiplast	Manufacturer of plastic packaging for the pharmaceutical industry	\$809	_	_

Plastics & packaging trends: E-commerce

US e-commerce penetration as a % of total retail sales



Source: US Department of Commerce, ShawSpring Research, Digital Commerce 360, S&P Capital IQ. | 1. Past performance is not indicative of future returns.

Plastics & packaging trends: Consumer purchasing shifts

Expected growth % in customers' purchasing category online (before and after COVID-19) and its impact on packaging substrates

OTC medicine	+44%	Tubes, bottles, jars and caps / closures
Groceries	+41%	Flexible, rigid plastics and corrugated packaging
Household supplies	+38%	Plastic bottles and metal aerosols
Personal-care products	+38%	Tubes, bottles, jars and caps / closures
Alcohol	+34%	Metal and glass bottles
Furnishings and appliances	+30%	Flexible, rigid plastics and corrugated packaging
Food takeout & delivery	+28%	Food-service packaging (eg, plastic, paper)
Fitness and wellness	+28%	Corrugated and protective packaging
Vitamins / supplements	+27%	Tubes, bottles, jars and caps / closures
Non-food child products	+25%	Flexible, rigid plastics and corrugated packaging
Snacks	+20%	Flexible films (eg, oriented polypropylene)
Jewelry	+19%	Folding cartons and paper boxes
Apparel	+19%	Corrugated and microflute packaging and cartons
Skin care and makeup	+18%	Plastics, tubes, glass and jars
Accessories	+18%	Corrugated and microflute packaging and cartons
Footwear	+16%	Corrugated and microflute packaging and cartons
Tobacco	+15%	Cartons
Books / magazines / newspapers	+11%	Corrugated and microflute packaging
Consumer electronics	+10%	Corrugated and protective packaging
Entertainment at home	+4%	Corrugated and protective packaging

Source: Mesirow, McKinsey & Company.

COVID-19 and longer-term demand impact by end market

Longer-term trends	Key beneficiary packaging substrates
Increased use of e-commerce	Flexible mailers, labels
Increased emphasis on hygiene	Nonwovens, flexible, rigid
Increased use of delivery services (groceries, pharmacies, restaurants)	> Flexible
Increased focus on health and wellness (including medical and healthcare)	Rigid, flexible, labels
Increased focus on sustainability (shift from plastic to paper)	Kraft paper packaging / foodservice / grocery bags
Increased focus on domestic supply chain and sourcing of various products considered critical or of national security (for example, pharmaceuticals)	All packaging

Source: Mesirow.



Appendix A. Other recent notable M&A activity



Recent notable film & plastic packaging M&A activity

Closed date	Acquirer	Target	Target description	Enterprise value	EV / LTM EBITDA	EV / LTM Revenue
Jun-20	Flexible Packaging	Genpak	Supplier of compostable packaging and offers a wide range of unique, patented flexible packaging solutions	-	_	_
Jun-20	PEXCO	EXLON Extrusion, Inc.	Precision extruder of high-performance polymer products	-	_	-
Jun-20			Provider of flexible packaging, printing and labeling services	-	_	-
Feb-20	B LIQUI-BOX	Plastics Division	Plastics division comprises plastics operations of D.S. Smith including flexible plastics	\$591	9.9x	_
Jan-20	GLEARLAKE CAPITAL		Designs, manufactures and supplies plastic containers and closures	-	_	-
Dec-19	BDT CAPITAL PARTNERS	balcan	Manufactures flexible packaging and lamination films	-	_	-
Dec-19		poplast FLEXIBLE PACKAGING	Manufactures and distributes flexible and industrial packaging products	-	_	-
Nov-19		DAVIS Core & Pad	Manufactures expanded polystyrene transport packaging products, as well as a supplies custom shipping containers	-	_	_
Oct-19	Nutrisens*		Manufactures packaging products for food and beverage end markets	-	_	-
Oct-19	FLEXIBLE PACKAGING.		Printer and converter of multi-colored flexible packaging, including gel packs, stand-up bags, pouches and stick packs	-	_	_
Oct-19	NOVOLEX	CBAG.	Manufactures paper packaging products for fast food, bakeries, coffee and specialty foods	_	_	_



Closed date	Acquirer	Target	Target description	Enterprise value	EV / LTM EBITDA	EV / LTM Revenue
Sep-19	LICAPLAST Plus flaxible que nos emballages ^o More flexible than our packaging ^o	MPLAST Plastic industry	Manufactures and converts polyethylene products for the packaging industry	-	_	_
Aug-19	WARBURG PINCUS	Pregis	Manufactures protective specialty packaging materials, equipment systems and surface protection products for diverse end markets	\$1,300	_	_
Jul-19	Berry	RPC	Produces plastic packaging for food, beverage and personal care sectors	\$5,865	8.1x	1.15x
Jun-19	TEKNIPLEX Cicluit strength. Superior solutions.	Amcor Flexible Packaging Plants in Milwaukee, Ashland and Madison	Medical packaging manufacturers based in Wisconsin and Massachusetts	\$215	_	_
Jun-19	amcor	Bemis	Produces flexible packaging solutions for the food, consumer, healthcare and personal care markets	\$6,778	11.8x	1.65x
Apr-19	Sealed Air		Supplier of automated bagging systems and pre-opened bags on a roll	\$510	10.0x	1.76x
Apr-19	Wellspring Capital Management ILC		Produces peel and re-seal products, lid-stock and stand-up pouches	-	-	_
Mar-19	JZ PARTNERS		Manufactures multi-layer barrier bags, films and laminates	-	-	_
Mar-19	Flexible Packaging	FLEE BX0	Primary converter of flexible packaging products, including rollstock, film, and stand up pouches	-	-	-
Mar-19	Transcendia		Manufactures multi-layer barrier bags, films and laminates	_	_	_
Feb-19	FLEXIBLE PACKAGING.		Produces peel and re-seal products, lid-stock and stand-up pouches	_	_	_



Closed date	Acquirer	Target	Target description	Enterprise value	EV / LTM EBITDA	EV / LTM Revenue
Jan-19	TRICORBRAUN	PACIFIC BAG INC	Provides flexible packaging solutions for coffee, pet and specialty food packaging	_	_	_
Jan-19	infinite		Operates as a converter of label products	_	_	_
Dec-18	intertape polymer group [®]	мануелие	Manufactures woven polyethylene fabrics	\$21	_	-
Nov-18	FLEXIBLE PACKAGING.		Offers roll stock, stand-up pouches, floral sleeves and bags for the food, produce, floral, stationary and crafts end markets	-	-	-
Nov-18	Cobal strength, Superior solutions.	BEYERS PLASTICS	Specializes in the extrusion and conversion of polyethylene film for the pharmaceutical, medical, food and chemicals industries	-	_	_
Aug-18	intertape polymer group	POLYAIR	Produces protective packaging such as bubble cushioning	\$146	_	_
Aug-18	Berry	Ladda%n,	Produces polyethylene bags and films, generating most of its sales through e-commerce	-	_	-
Aug-18	the edgewater funds	Phoenix Converting, Inc. And VPS Holdings, Inc.	Converts pouch packaging for medical and food applications	_	_	_
Aug-18	G	AUVANCED BARBIER EXTRUSIONS	Manufactures multi-layer cast films for the food, beverage, household personal care and industrial markets	-	_	_
Jul-18	Transcendia	Precision Poly	Manufactures food grade coextruded film, bags and rolls for flexible packaging	_	_	_
Jul-18	BERWIND	MAXCESS	Manufactures systems and equipment for web handling applications	-	_	_



Closed date	Acquirer	Target	Target description	Enterprise value	EV / LTM EBITDA	EV / LTM Revenue
Jun-18	🔷 Pregis	FINTERNATIONAL"	Provides protective packaging solutions	_	_	-
Jun-18	TEKNIPLEX Citeda strongen. Superior valutions.	Specialty Laminations	Provides healthcare packaging, performance lidstock, induction seal and specialty laminations	_	_	-
May-18	ProAmpac		Offers multiwall bags, pouches, roll stock lamination products and labels	_	_	-
May-18	tc • TRANSCONTINENTAL		Manufactures a variety of flexible plastic and paper products, including rollstock, bags and shrink films	\$1,320	10.3x	1.37x
Apr-18	One Equity Partners		Manufactures packaging products and solutions for the automated transport and handling of semiconductor and electronic device	_	_	_
Apr-18		JPRECISION pouches	Specializes in the design and manufacturing of added value polythene films for both industrial and consumer packaging markets	_	_	_
Mar-18	RPC		Provides toll converting services for the flexible packaging industry	_	_	_
Mar-18		TREOFAN North America Division	Provides cavitated film for labels and packaging with an emphasis on wrap-around and in-mold decoration	\$255	6.4x	1.20x
Mar-18	tc • TRANSCONTINENTAL	AULTIFILM Packaging Corporation	Provides integrated manufacturing solutions including cast film extrusion, metallization and demetallization	_	_	_
Feb-18	Delta Plastics		Provides flexible packaging solutions with a focus in certifiably sustainable carryout bags across the food service, retail and grocery industries	_	_	_
Feb-18	M&Q Packaging Corporation	FLAVORSEAL	Provides food packaging solutions, including wrap packaging, netting, bags and pouches	_	_	_



Closed date	Acquirer	Target	Target description	Enterprise value	EV / LTM EBITDA	EV / LTM Revenue
Jan-18	> ProAmpac	BONITA PIONEER'	Manufactures custom and stock shopping bags, foodservice packaging and folding cartons	-	_	-
Dec-17	NOVOLEX	STATELOS BAG LEBRINTING CO - VALNIS WA	Manufacturers films and customizable flexible packaging products for various industries, including food and consumer	_	_	_
Nov-17	INDEVCO PLASTICS		Provides pre-press, digital printing, laminating and pouch making services	_	_	_
Nov-17	TRICORBRAUN		Manufactures a flexible packaging solutions and products for various industries, including food and health & wellness	-	_	_
Nov-17	Berry	Elastic Products	Manufactures specialty films, extrusion coatings and custom-printing laminations	\$475	9.0x	1.03x
Oct-17	SUDPACK		Provides printed packaging solutions on containers for the food, beverage, household and personal care industries	-	_	_
Aug-17	S Scapa		Manufacturer of adhesive coated films and contamination control products	\$10	8.3x	-
Jul-17	MULTI-COLOR GLOBAL LABEL BOLUTIONS	Constantia Flexibles	Supplier of labels to the food, beverage, home and personal care industries	\$1,341	_	1.9x
May-17	Goldman Sachs	Transcendia	Manufactures specialty films for the healthcare, food & beverage, industrial and security markets	_	_	_
May-17	SIGMA PLASTICS GROUP Cuality, Innovation & Expertise in Flexible Plackaging	LEXINE FLEXING	Manufactures multi-layer film and bag solutions for the food & beverage, transportation, chemical and industrial markets	_	_	_
May-17	🔷 Pregis	SHARP Packaging Systems	Manufactures flexible packaging machinery and printed packaging products	_	_	_



GLOBAL INVESTMENT MANAGEMENT CAPITAL MARKETS & INVESTMENT BANKING ADVISORY SERVICES

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