

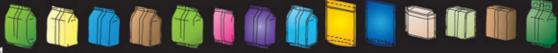




# The Authority in Standup Pouch Packaging



ALLIEDFLEX<sup>®</sup> is the exclusive sales & marketing partner for a global network of quality machinery suppliers for a world of Pouch Packaging Possibilities.



# About Us

# Providing the Complete Solution and our Expertise!

ALLIEDFLEX<sup>®</sup> blends flexible packaging innovation with world class packaging machinery solutions. Our unique consultative sales approach addresses both marketing and manufacturing objectives, streamlining the process of change from your production through to the retail shelf.

Success is accomplished through 30 years of application experience bringing hundreds of products to market in innovative pouch packaging. Our global packaging supplier alliances and strategic machinery partners represent the finest technological solutions in the world enabling us the flexibility to provide a stand alone machine or a complete integrated system.

Need further "ONE on ONE " guidance to kick start your new Standup Pouch introduction? We can also offer you and your team our customized on-site "Stand up Pouch Packaging Consultation" that targets your specific application or product category. The program has been created to get you started in the right direction — saving time, money and reducing your risk as we help you transition from traditional to innovative, consumer convenient flexible packaging.

Many new Stand up Pouch introductions have been initiated using our Standup Pouch Consulting Support Services.

ALLIEDFLEX<sup>®</sup> provides the complete solution to keep you ahead of the competition.

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ALLIEDFLEX Sarasota, Florida Headquarters





# Market Trends & Evolving Flexible Packaging Technologies

ALLIEDFLEX<sup>®</sup> enjoys a key supporting role in the Flexible Packaging Industry through our participation and organization of over a hundred educational packaging conferences and internationally acclaimed packaging symposiums.

We have consulted on hundreds of Product Package transitions to flexible packaging and as a result these products are now well positioned for future sales growth.



Dennis Calamusa, President & CEO, ALLIEDFLEX<sup>®</sup> Technologies

"Today's innovative global flexible packaging machinery manufacturers are evolving along with market demand. Although production demands are increasing so is the need for flexibility to accommodate a wide variety of sizes and flexible packaging formats. Let's explore the market and technology shifts that are impacting the new generation of pouch packaging machinery, pouch processing and pouch automation solutions."



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ALLIEDFLEX<sup>®</sup> has provided consultancy services for many leading Consumer Product Companies, Packaging Material Converters, Packaging Machinery Manufacturers and Industry Associations.



Our unique global Flexible Packaging Viewpoints and Perspectives are published by various respected packaging magazines and industry reports.



ALLIEDFLEX® is a contributing editor to the industries leading industry publications including Flexible Packaging magazine, Package Design magazine, Packaging Converting Intelligence magazine and Packexpo.com with our regularly featured "FLEXIBLE INSIGHTS" columns and articles regarding Global Flexible Packaging Innovation.

# Pouch & Bag Styles

# Providing the Complete Solution and our Expertise!

A multitude of flexible package styles and formats are available to suit a broad variety of product applications and consumer preferences.

Flexible Packaging Solutions include the popular Standup Pouch, Flat Bottom, Side Gusset Bag, Single Serve Portion Packet, Top or Corner Spout & Retort Pouch formats.

Many of these styles incorporate consumer convenience features including zippers, "slider" zippers, spouts, fitments, specialty closures and handles. Unique shapes can be provided to add personality or character, as well as improved functionality to any flexible pouch packaging application.

We are here to help you get started quickly. If you're not ready for machinery, perhaps it is best to connect you with one of our several contract packaging associates to get you in the market quickly, enabling you the opportunity to evaluate your personal marketing results before investing in capital equipment.

When the time is right, we are here to support you and your company with the machinery solution best suited to meet your specific production requirements.

# Examples of available Pouch and Bag styles



Doy-Style

Bags



Straw Style Pouch



Quad Scal Bags



Bags

Pouch

Gusseted Top Spout



Gusseted Bags

Pirouette

Bags



Pillow Bags



Top Spout

Pouch

Top Spoul Pouch



Corner Spout Pouch



Block

Bags

Expander



Bags



Corner

Spout Pouch

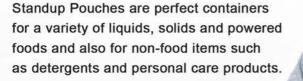
Easypack Bags

Brick Bags

Corner Spout Pouch











# Manufactured in the USA

Cloud gives you all the options for pouch and stand-up pouch: High speed form/fills/seal for roll stock or fill/seal for pre-made pouches. And our Hybrid series that does both.

Our proven machinery solutions provide the flexibility you need to stay ahead of the market. Designed, built and serviced in the USA for the ultimate reliability.

**IMP Series** 



Packing difficult products with minimized product spillage Hexible and reliable, Robert's IMP Series provides a wide variety of packaging options in this pre-made bag machine. The IMP Series delivers extreme flexibility to our customers.

#### IMH Series



Flex/billty for today's changing markets

Versatile, Intermittent Motion HFFS. Our most flexible pouch series, including the HYBRID option which provides HFFS on one machine capable of running rollstock AND also runs pre-made bags.



#### **IMR Series**



#### The most cost-effective entry point

Cost Effective Intermittent Motion HEES from rollstock. The IMR series is your cost effective HEES single machine solution. Configurable widths; speeds up to 60 ppm.





#### Producing up to 200 pouches per minute

High Speed, Continuous Motion HFFS. Our highest output machine series with industry leading efficiencies and a very unique filling system.



#### Cloud CloudTRAC

Fully automated, servo-driven, chain-free, maintenance-free, and one-touch recipe-based, auto configurable, CloudTRAC is the latest in a long history of Innovation from one of the industry's technology leaders.

Increased speeds, lower operating costs, and unparalleled quality. CloudTRAC changes everything.

#### Cloud Hydroforma

The Cloud Hydroforma water soluble machine is in a class by itself. It packages taster than any competitive machine. It also produces less than half the scrap of non-rotary style machines – saving your company upwards of \$500,000 per year.



# Technological Advanced Vertical, Form/Fill/Seal Machinery

Ever since launching our first vertical packaging machine in 1994, our full concentration and R&D resources have remained exclusively on engineering, designing and manufacturing the highest quality vertical packaging machines on the world market.

#### VFFS packaging machines

Vertical packaging machines (VFFS) have been designed to pack food and non-food items into flat bags and various types of standup bags. The packaging machine creates bags from a film reel and movement of the film on the packaging machine is vertical – downwards. Vertical packaging machines function in step or continuous mode and operate at medium to high speeds.



HSV 219 SLIM Vertical packaging machine

A high technology, reduced footprint vertical packaging machine specifically engineered for the snack industry that delivers and maintains top speeds for a wide range of higher to lower quality films.



#### HSV 280 Series Vertical packaging machine

A vertical packaging machine (VEES) with speeds of up to 200 bags/mln. It can package a large variety of food and non-food items, and accepts a wide range of bags with volumes of up to 5 litres.



HSV 360 Series Vertical packaging machine

A vertical packaging machine (VEFS) with speeds of up to 360 bags/min. It can package a large variety of tood and non-food items, and accepts a wide range of bags with volumes of up to 20 litres.



HSV 440 Series Vertical packaging machine

A vertical packaging machine (VEES) with speeds of up to 50 bags/min. It can package a large variety of food and non-food items, and accepts a wide range of bags with volumes of up to 60 litres.

Website: velteko.com



# Bossar – At the Forefront of HFFS Technology

Founded in Barcelona in 1992, Bossar consolidated soon its position and worldwide leadership as Horizontal Form Fill & Seal packaging machine designer & manufacturer.

#### HFFS - Horizontal Form Fill Seal Machines

Bossar has the widest range of Horizontal Form Fill and Seal machines in the market. Our machines cover all the applications and are customized to be adapted to our customers' needs.

#### **B Basic Series**

The intermittent HFFS machines from the B series are extremely versatile and capable of manufacturing a wide range of format sizes.

- B 1000 HFFS Machine, HFFS Machine B 1400,
- B 1600 Packaging Machine & B 3700 HFFS Machine.

#### **Quattro High Speed Series**

This range of horizontal packaging machines is based on triplex and quadruplex horizontal technology, specialized in filling powder and liquids for the food, pharmaceutical, cosmetic and chemical industries.

#### **BMK Modular Series**

The Bossar HFFS machines of the BMK series meet the majority of flexible packaging requirements for food, beverages, cosmetic, personal

care, pharmaceutical and chemical products.

#### **GMB Extra-Large Format Series**

The GMB series offers the ideal technical solution to fill heavy and large volume formats: the GMB pouch transport system, a unique technology in the horizontal form fill and seal machines for flexible pouches.

#### **BMS Servo Motion Series**

The BMS machines use state-of-the-art technology and are servo-controlled.

#### **BCS Pre-Made Pouches**

Full servo carousel machine to fill and seal pre-made pouches. Pouch feeding by means of a pouch carousel cassette system.

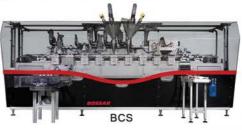
#### **BVH Quattro-Seal Series**

The BVH is an innovative & revolutionary technical solution to HFFS medium volume Quattro Seal bags, with or without block bottom, and optional top spout insertion. The machine designed and patented by Bossar is a combination of vertical & horizontal form fill & seal machine technologies.

#### What kind of pouch or bag do you want to fill?

Website: bossar.com







BMK 3300





# better packaging™

For us, it's not just a slogan, it's a way of life and our goal with each and every flexible packaging innovation we pioneer. We want to help our customers create safe, natural, economic, and sustainable products with better bag-in-box and spouted pouch technology for dispensed, institutional products and consumer-friendly, packaged goods.

# Equipment



Our equipment engineers specialize in creation of filling, sealing, and testing equipment for new market entrants or for established, large-scale operations. But we don't stop at manufacturing. With Scholle IPN, you have access to a dedicated, knowledgeable global field service team that ensures your operations run smooth and consistent from day one.

## Pouches



We specialize in pouch design and technology with a focus on the development of unique and innovative performance solutions that optimize the relationship between packaging and the products they contain.

Website: scholleipn.com



# The classical stickpack shape may be used for a wide range of packed goods from sugar, spice over to the sweets.

The stickpack is the most commonly used form of bag, may also be called as a flat long bag. Stickpacks are made from heat-sealable film suitable for packing required goods. Not only do these bags appear neatly and are much more attractive than for example pillow bags sealed along the perimeter on all four sides, but also provide other practical benefits such as seal precut for easy opening or in the case of a liquid product dosing and use without spillage. They are also more environmentally friendly by using less packaging material. Last but not least those bags are very popular because of the uniqueness for advertising placement on packing foil (for example single portion sugar).



## STICKPACK MACHINE SYSTEMS



#### ABM EN Slickpack Machine Series

The ABM EN Slickpack series are high performance, reliable, fully automated, multilane vertical packaging machines with electro-pneumatic drive. It is suitable for loose, piece and liquid goods into stickpacks and flat bags scaled on three sides. Bags are made from an endless roll of heat sealable packing material.

#### AMT Stickpack Machinery Series

The AMT Stickpack series are high performance, reliable, fully automated, multilane vertical packaging machines for single portion packing of variable loose (powder, granulate), piece and liquid goods (cosmetics as masks, shampoos, creams, liquid soaps, hair colours) into pyramidal bags, stickpacks and flat bags sealed on three sides.





#### ABM D Stickpack Series

The ABM D Stickpack series are simple and reliable multi-tube packaging machines suitable for packing of various loose (sugar, salt, coffee, spices etc.) and liquid goods (ketchup, olive oll etc.) Into stickpacks or flat bags. According to the packed product the packaging machine is equipped with suitable dosing equipment. Bags are made from an endless roll of freat sealable packing material.

#### PBM-X Stickpack Series

The PBM-X SStickpack series is highly efficient automatic vertical packaging machines suitable for single portion packing of loose (powder, granules), liquid and small piece products into stickpacks, flat or pyramidal bags and according to the packed product type are equipped with a suitable dosing device. When the bag is pulled for the set length is the bag closed by couple of cross jaws pairs rotated by 90 ° and separated by a built in blade.





#### DOUBLESHCK Stickpack Series

High-performance, reliable, fully automated, multi-tube vertical packaging machine with electro pneumatic drive suitable for packaging of loose, piece and liquid products into flat stickpack. Doublestick a special packaging machine for packing two different types of merchandise simultaneously into a double chambers bag perfectly separated by longitudinal seal. Double chamber bag separates two types of goods and protects them from mixing.



# Efficiency, Reliability and Flexibility

Umbra Packaging s.r.l. is a company specialising in the design, development and manufacture of packaging systems for bulk products, powder and granular products, in bags of any type, material and size, as well as "big bag" filling systems. Alliedflex is pleased to be the north American distributor for Umbra Packaging.

#### Market Sectors

#### Animal Husbandry, Premix, Pet Food, Cat Litter, Mining, Food, Fertilizers, Food Flours, Pharmaceutical, Building Sectors, Chemistry, Cereals & Seeds

Flexibility, self-control, simplicity of mechanisms, high production rate, protection of the working environment, and resistance to contamination by external products are the strengths of these systems.

## **OUR MACHINES**



UP 1000 Bagging machine packages granular or powder products

UP 1000 PRO Cranular product packaging machine



UP COMBO Packages either flour or granular products



UPS EVO Packaging of floured food products



UPS MINI 30 Pet food packaging machine



EPD EVO PRO Packaging machine for granular products



UPS MINI 60 Pet food packaging machine



UP HYGENIC Dusty product packaging machine



**UPR** Robot palletizer

# Food Machinery

# **FENCO** Pasteurization Systems

Looking at the Twist Spiral Pasteurizer and Twist Spiral Cooler made by FENCO Food Machinery. It's quite hard to understand if they are made of stainless steel or silver. FENCO's spirals: luxury processing lines!

## **Twist Spiral Water Cooler**

The ideal cooling system for pouches, sachets, cups, jars and lots of other different containers.

## The "TAP & TAC" Twist Air Pasteurization - Cooler

The ideal cooling system for pouches, sachets, cups, jars and lots of other different containers.



# FENCO Food Processing Systems

#### **Tomato Processing Lines**

Complete line for tomato processing, for obtaining tomato paste, tomato sauce, and drinkable tomato juice.

#### Fruit Processing Lines

A large variety of fruits can be used to obtain by the appropriate technological process different kinds of semi – finished product starting from fresh fruits just harvested from field or stored in controlled atmosphere warehouses.

#### Vegetables Processing Line

Cleaning, cutting, portioning and packing, are only a few of the processes involved in producing the right vegetable end product specific to your needs. Our innovative lines are designed for you in mind.



SURDRY is a company exclusively dedicated to manufacturing retorts since its foundation in 1981 and has become a technology leader and supplier of first class high-tech autoclaves or retorts for sterilization of food and beverage products after hermetically sealed in cups, trays and pouches. Alliedflex Technologies is pleased to be Surdry's exclusive North American Sales and Marketing partner.

# Retorts for Sterilization of Semi-Rigid and Flexible Packaging Applications



## Static Retorts

Surdry static retorts are suited to all sterilizing or pasteurizing needs from small and medium capacity up to the highest production volumes in the food industry. Single or double door models are available with either horizontal swing type or vertical opening and closing. SWS (Steam+ Water Spray) and other process systems are offered. Most of the applications do not require or benefit from agitation and therefore static retorts are the most common models in the food industry.

The high quality design and manufacturing, along with the reduced number of moving parts, make the Surdry static retorts highly dependable machines with minimum maintenance requirement.

Static Retorts are available in all Surdry vessel diameters, 1300, 1400,1500 and 1700mm with length up to 8 meters.

#### Packages

The batch retorts and pressure sterilizers are used for sterilization processes as well as for pasteurization processes, as long as the internal pressure built up inside the pack exceeds the atmospheric pressure, as a result of thermal expansion of the foods or internal gas. The pressure built in the retort/sterilizer due to the supply of steam and/or compressed air overpressure will compensate the internal pressure built in the pack so as to prevent seal damage or package deformation.

Surdry has installed solutions for all the following list of products and is offering constant innovation for many upcoming developments.







Plastic Tray

Processing

Plastic Bowl

Pouch



# iXAPACK pouch automation systems machinery program joins ALLIEDFLEX® to offer <u>complete turn key</u> secondary Pouch Container Automation Solutions.

iXAPACK is a prominent French machinery manufacturer, specializing in complete turnkey secondary flexible packaging robotic automation systems, with a focus on quality construction and advanced robotic technology. The company provides complete turnkey systems including pouch pasteurization, pouch cooling, pouch accumulation, robotic pouch cartoning – tray packing and multi-pack case packing through automated palletizing. IxaPack also provides automatic changeover for size changes in carton, tray (count & configuration) and case pack out.



TOP LOAD CARTONER

With a design and a manufacturing by IXAPACK, the Top Load cartoner allows forming cardboard packaging from flat blanks, it introduces automatically the products with one or several tripods robots and it closes wrap carton or display.



TRAY ERECTOR

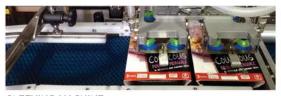
The tray erector permits, from a flat blank, the formation and the gluing of 4 glued corners tray or shoulder tray.

## PICK AND PLACE SYSTEM



POLY-ARTICULED PICK & PLACE UNIT

Life flex-picker permits the gripping and de-stacking of flat blanks before their forming and filling. Its 3 or 4 axles provide a great flexibility in relation to the cardboard blank form.



SLEEVING MACHINE The sleeving machine permits, continuously, to lay a sleeve around a product or a products batch, prepared beforehand, with a gluing from below.



CASE PACKER

With a design and a manufacturing by iXAPACK, our case-packer « pick & place » is designed to form cardboard packing from flat blanks, it introduces automatically the products using one or several flex pickers and closes the case.

## PALLETIZATION



ROBOT PALLETIZER

The robotized palletization block can admit *b* lines of production at high speeds. This machine can deposit the products on the pallet by simple gripping, by row or by layer.

# CONVEYING



PRODUCTS CONVEYING



CASES CONVEYING



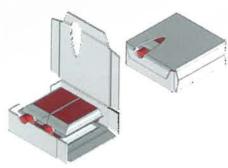
PALLETS CONVEYING



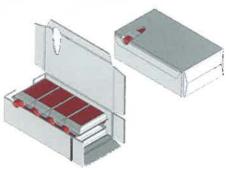
# Top Load Cartoning and Case Packing Systems

# Collation Examples

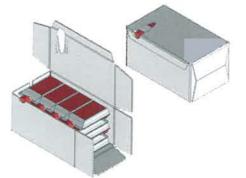
Flat Grouping



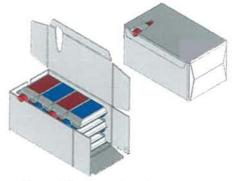
Pack of Four



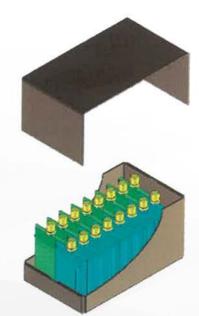
Pack of Twelve



Pack of Twenty-Four

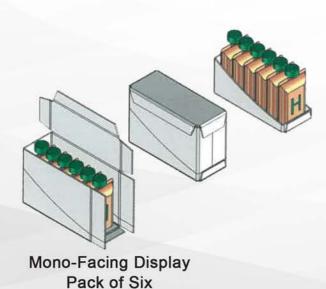


Two Flavors Pack of Twenty-Four



Two Flavors Double-Facing Display Pack of Sixteen





# FLX Alpha & FLX Apex

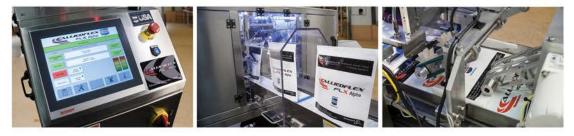
# Getting you Started!

ALLIEDFLEX<sup>®</sup> Technologies FLX Alpha and FLX Apex Standup Pouch Packagers. The FLX machinery series has been specially developed to offer an automated solution for the packaging of the popular Standup Pouch and other pre-made Pouch and Bag formats.

The FLX Alpha and FLX Apex packagers answers the growing need and demand for a "lower output solution" while maintaining a high level of reliable performance.



The FLX Alpha and FLX Apex have been specifically developed for "First Step" applications and is ideal for Startup, Laboratory or Pilot Plant production requirements.



# FLX Ultra

# Automatic Liquid Pouch Filling and Sealing Machine

The ALLIEDFLEX<sup>®</sup> FLX Ultra fills large liquid filled pouches with a pre-made corner spout, it's one of the fastest growing pouch formats in the marketplace today.



Website: StandUpPouch.com

ALLIEDFLEX<sup>®</sup> wants to help you get started as quickly as possible with Innovative Pouch Packaging. That's why we bring you the FLX Alpha to get you to market fast.



# FLX SpoutFill

# FLX SpoutFill Filling and Capping Machine

ALLIEDFLEX® newest machine for filling liquids. It's a semi-automatic FLX SPOUTFILL filling and capping machine for spouted pouches. This spouted pouch filler is a precision, high quality machine solution ideal for pilot plant, laboratory and R&D to establish filling characteristics, test market samples & limited production runs.

> This semi-automatic air driven machine is suitable for filling and capping flexible pouches (with an already existing spout) with liquid / semiliquid products. The FLX filler can fill viscous products containing soft particulates or pulp and it is suitable for hot filling (100°C).





# FLX SpoutFill Filling and Capping Machine

ALLIEDFLEX® brings you our latest innovative automatic liquid filling and capping machine for spouted pouches, the FLX MonoSpout. The FLX MonoSpout is 100% servo controlled spout filling and capping machine ideally suited to handle a broad range of products including fruit puree, yogurt, baby food, sauces, condiments, beverages and non-food applications.

#### Major advantage of filling through the spout

- Reduce material usage due to reduced required head space
- · More stable filling of difficult foaming products
- · Quick changeover in pouch size, shape and pouch style
- Eliminate top seal contamination
- Simple transition from traditional rigid packaging to flexible packaging





# The Future in Convenience Packaging



# Produce Ready Made, Sealed Take Away Meals

Prepared meals, take away – take out foods, refrigerated meals, convenience entrées, home delivery. The Skirt-All<sup>®</sup> design is easy to fill and use.

# Cups and backers

# **On-The-Go Snacking and Travel Cups**

The Skirt-All<sup>®</sup> design is perfect for snacks, confectioneries, nuts, fruits, cut vegetables, cereals, trail mix, meat and cheese protein snacks and more.

# The Filler for Skirt-All® Cups & Shakers

# Seals Perfectly Every Time

This FLX Skirt-All<sup>™</sup> Pro Semi-Automatic Packaging Machine is the low cost solution for filling and sealing your on-the-go snacking & travel cups with snacks, confectioneries, nuts, fruits, cut vegetables, etc.



Website: abarkausa.com



ALLIEDFLEX<sup>®</sup> Technical Service Team is committed to ensuring your packaging machinery continues production at optimum efficiencey and least amount of downtime.

Our Field Service Engineers based in the United States have been Factory Trained and are PMMI Certified Trainers.

We look forward to support all your aftermarket needs including:

- Spare Parts
- Annual Spare Part Stocking Programs
- Technical Service
- Telephone Support
- Training
- Retrofit Kits
- Machinery Audits
- Annual Service Contracts



ALLIEDFLEX® supports all your Mespack and Velteko service aftermarket needs.





Engineering



Project Management / Scheduling / Site Supervision

**Ancillary Equipment Integration** 

- Processing
- Packaging
- Inspection
- Secondary Packaging
- Palletization



# Sustainabilitiy

# The Flexible Packaging Industry is creating a "re-packaging revolution" that has now spearheaded a shift into a new age of packaging standardization which is clearly underway...

ALLIEDRENEW<sup>™</sup> was created for the purpose of educating and informing consumers of the benefits flexible packaging offers compared to more traditional packaging. ALLIEDRENEW<sup>™</sup> is an educational portal of ALLIEDFLEX<sup>®</sup> Technologies, Inc., the leading North American supplier of Global Standup Pouch Packaging Machinery.

As an industry, leading the charge in the "Re-packaging of America" we feel it is critical for us to continue to communicate the "total benefits" of Flexible Packaging, as compared to other forms of packaging in relationship to energy consumption, logistics, source reduction and the total impact from an environmental perspective.

Being sustainably conscious not only adds value back into what otherwise would be manufacturing generated waste, but it models a level of responsibility.

Please explore our site to learn more about flexible packaging, all of the various sustainable benefits it offers, check out some of the fun up-cycling ideas, or even get involved sharing some of your own ideas.

#### ADVANTAGES OF FLEXIBLE PACKAGING

- Flexible packaging consumes less energy during manufacturing
- Flexible packaging consumes fewer naturalresources during manufacturing
- Flexible packaging generates less CO2 emissions during manufacturing
- Flexible packaging is lightweight reducing fossil fuels during transportation
- Flexible packaging is lightweight reducing fossil fuels during transportation
- Flexible packaging is easy to compress greatly reducing amount of trucks needed during transportation
- Flexible packaging represents the smallest percentage of all packaging in landfills
- Flexible packaging saves transportation miles and fuel consumption





# "The Re-Packaging of America" "Dennis Calamusa"

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# The Authority in Standup Pouch Packaging & Machinery



**ALLIEDFLEX®** is the exclusive sales & marketing partner for a global network of quality machinery supplies for a world of pouch packaging possibilities.

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