



UNIFIED FLEX

PACKAGING TECHNOLOGIES

"Creating Partnerships in Flexible Packaging"

Turnkey Bagging & Pouch Packaging Solutions



Flexible Packaging Solutions

www.unifiedflex.com 1-866-369-4181

Our Company

With over 10 years servicing the packaging industry and over 50 years collective experience, the team at Unified Flex brings expertise and knowledge that you can trust. Based in Cambridge Ontario, the Unified Flex facility is strategically located within 30 minutes of Toronto Pearson International Airport.

We provide Turnkey Flexible Packaging VFFS Solutions, Customized Flexible Packaging Equipment, as well as Flexible Packaging Materials to our customers across North America. We are primarily focused on the snack, coffee, pet food, produce, liquid and meal kit markets, though we also provide custom packaging solutions for other market segments.



We are a single-source packaging resource for your packaging needs and take great pride in delivering a broad array of products and service solutions that serve to streamline your production processes, saving you time and money. We believe we provide the best end-to-end packaging solutions in the market place. With Unified Flex as your partner in flexible packaging solutions, you will be able to set your prices competitively and get your products out in the marketplace faster and more efficiently.

Our Services

• **PACKAGE ENGINEERING**

At Unified Flex we understand that CPG's (Consumer Packaged Goods) companies are looking for flexible packaging solutions that are consumer friendly, efficient and economical. We help you find a balance of these factors so you are aware of what you are buying and how it will perform.

• **MATERIAL ENGINEERING**

Some of the aspects we explore through our Material Engineering Process are the properties of the package, convenience features, shelf life, package and security. We focus on improving materials to enable better performance and sustainability. At Unified Flex Packaging Technologies, we offer Flexible Packaging products backed by our value-added services to ensure our customers achieve the level of success they aim for.

• **GRAPHIC DESIGN**

Unified Flex Packaging Technologies offers in-house Graphic Design Services. Our graphic designers have an excellent understanding of the printing and lamination processes and they can come up with impactful design ideas to help your product compete at the highest level.

• **PREPRESS**

Whether we design the artwork for a package or our client provides their own graphics, we will do our due diligence to ensure the package is printed correctly. Text is carefully proof read and colours and graphics are examined for quality and potential printing issues. Barcodes and nutrition charts are all also verified. If there are ways to reduce cost, we will make the appropriate suggestions and/or changes.

We will always have your best interests in mind.





• **PROTOTYPE MODELLING**

At Unified Flex we want you to feel confident that the package design we offer will fulfill both your packaging and marketing needs. We will manually create a prototype bag to ensure it meets all size, weight and volume considerations. A physical prototype allows you to see and feel the product in its packaged form. When graphic design is required, we not only provide you with full-colour hardcopy but we digitally mockup the design that you might see how it would look as a finished bag. This version gives a better sense of the finished design and its self-appeal. If desired, these high-resolution renderings are made available to our clients for their print and/or digital marketing needs.

• **PACKAGE COMPATIBILITY**

At Unified Flex, we work hard to ensure that you get the right packaging solution for your products. Having the right packaging solution means that all of the criterion of your bagging requirements are met, including compatibility between your product, the packaging machinery and the packaging film. Whether it be snack foods, coffee, pet foods, produce, liquids or meal kits you can be sure that Unified Flex's expertise and end-to-end consultative approach will provide the proper guidance to ensure you attain a safe, high-performance packaging solution that meets your high standards.

Our Products

• **PREFORMED POUCHES**

Research shows well-developed packaging helps brands achieve higher success in sales and growth than ordinary. Unified Flex Packaging Technologies offers custom-printed Preformed Pouches to help your brand succeed through packaging. We can help your company develop preformed pouches that reflect the unique character of your product and your brand.

We offer a wide variety of Preformed pouch styles and sizes. We will configure the most appropriate pouch for your product in terms of shelf appeal, material structure, barrier properties, cost and resealable features.



POUCH STYLES



4 Corner
Block Bottom
Bag



Doy Style
Pouch



Doy Rim Style



Flat Bottom
4 Corner



Box Pouch

· ROLLSTOCK LAMINATIONS

Unified Flex supplies high quality flexible packaging roll stock specifically configured for optimal performance based on the needs of our customers with food safety and shelf longevity in mind.

Through package engineering we determine the size, shape and material composition suitable for desired results. The benefit of being a well-established packaging equipment manufacturer, we can determine packaging material compatibility with the filling equipment.



BAG TYPES



Pillow Bag



Pillow Bag with Eurohole



Pillow Bag with Side Gussets



Block Bottom Bag



4 Corner Seal Bag



3 Side Seal Bag



4 Side Seal Bag



Sachets



Stick



Spout Seal Bag

BAGGING APPLICATIONS

Extruded Snacks
Potato Chips
Ground Coffee
Whole Bean Coffee
Single Serve Coffee
Popcorn
Dry Fruits
Frozen Foods IQF

Fresh Cut Fruits
Potatoes
Candies
Bite-size Cookies & Crackers
Produce Packaging
Liquid Stick Packs
Sour Cream

Granola & Cereals
Sugar
Liquid Pastes
Grains and Lentils
Spices
Powders
Produce Packaging

Salt & Seasoning
Rice
Pet Food
Neutraceuticals
Pharmaceuticals
Detergents
Medical Parts
Chemicals



Our Quality

• FOOD SAFETY

We only choose partners throughout our supply chain who share the highest standards of food safety in their business practices. Our Roll stock product meets all of the Global Standard Certifications.



• COLOUR MANAGEMENT

Achieving desired colors on flexible packaging products is imperative for great shelf appeal. A properly printed package attracts attention of the eye and results in more sales for the product. Our flexible packaging printing equipment uses inline high-resolution spectrophotometers to measure and monitor the color data. This system helps us generate exact colors required for printing. It can quantify colors equally well on high gloss surfaces as well as metalized shiny surfaces. This results in efficiently matching the printed colors closest to the specified colors on the computer-generated artwork. This process also makes our manufacturing process more efficient and reliable and helps in reducing cost for the printed products. An offline high-speed inspection machine also checks the quality of the printed film and splices out any inconsistencies in printing quality.



• COF DETECTION TEST

On high speed film converting and printing machines the static friction coefficient of the film is a major factor in determining the performance characteristics of the film during production. COF is also important to monitor and maintain as the flow properties of flexible packaging materials change with a change in COF, potentially causing disruptions on packaging equipment. Unified Flex evaluates friction coefficient according to ASTM D1894 standards.

• SEAL STRENGTH TEST

Heat seal is the most popular method of welding plastics materials. One of the most important characteristics of flexible packaging materials is the sealing properties of the film. All films are tested under specific temperature, dwell time and pneumatic pressure. Sealing strengths of the flexible packaging films are measured according to the ASTM 882 standards.



• THICKNESS TEST

The thickness of flexible packaging films determines the clarity, durability and flexibility of the films. As thickness increases, clarity and flexibility reduces while the durability of the film increases. Pre and post production tests are performed using a mechanical micrometer. Flexible packaging films with consistent thickness do not overstrain and stretch during the printing process resulting in superior print quality.

• TENSILE STRENGTH TEST

Tensile strength is the maximum mechanical stress a packaging material can withstand without breaking. We test our films for tensile strength as it's an important property of the flexible packaging material. This test can determine the peel force, tear force, elongation rate, puncture resistance and adhesive strengths of the films. Unified Flex ensures compliance with requirements on strength characteristics in accordance with ASTM 882 standards.

Our Advantage

- ✓ CONSISTENT FRICTION PROPERTIES
- ✓ CONSISTENT SEALING PROPERTIES
- ✓ CONSISTENT BARRIER PROTECTION
- ✓ CONSISTENT COLOUR PRINTING
- ✓ REDUCED DOWNTIME
- ✓ MINIMAL TO NO FILM WASTE
- ✓ QUICK SPLICING OF NEW ROLL OF FILM
- ✓ FASTER OPERATING SPEEDS
- ✓ PACKAGE ENGINEERING
- ✓ IN HOUSE GRAPHIC DESIGN

For a Free, No Obligation Consultation
Contact Al Aman, *Vice President of Business Development*



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