

Products worth protecting deserve Pregis

Complete Packaging Guide





Contents

Inflatable Systems.....	4
Paper Systems.....	6
Foam-in-Place Systems	8
Foam Rolls & Pouches	10
Fabricated Foam	11
Bubble Rolls and Pouches	12
Ready-to-Pack Shipping Mailers.....	13
Automated Mailing & Bagging	14-16
Cohesive Solutions.....	17
Specialty Paper	18
Specialty Products	19
Temporary Protective Films.....	20
Flexible Packaging Solutions	21

Complete Portfolio of Solutions

In transit or on the production floor, we **solve your toughest business challenges** with our innovative packaging and protective solutions. We've got everything you need to create customers for life.



Inside the Box Protection



Mailing & Bagging Solutions

Surface Protection



Industry Solutions



Inflatable Systems

Cushioning

Ascent™

Pregis AirSpeed® Ascent™ high-pressure air cushioning system produces Hybrid Cushioning (HC) for the highest level of product protection.

- Patented seal technology offers superior inflation and consistent cushioning
- Built with operators in mind – no exposed parts, ergonomic and user-friendly
- Smart Logic identifies film and optimizes system settings
- Up to 100 feet per minute of throughput for high-volume operations, enhancing productivity



Hybrid Cushioning (HC)

Choose superior product protection with Pregis AirSpeed® Hybrid Cushioning (HC). The unique square pattern of this high-pressure cushioning solution increases shock absorption during transit, while its premium aesthetic enhances the unboxing experience.

- **HC Renew™ PCR** – Elevate sustainability with 80% post-consumer content 🌱
- **HC Renew™** – Made with a minimum of 30% recycled content 🌱
- **HC Barrier** – Highest level of durability, air retention and cushioning
- **HC Inspyre™** – 1% of sales donated to help fight water insecurity



All HC film blends are approved for store drop-off recycling.

ChamberPak™

Pregis AirSpeed® ChamberPak provides a series of adjoining tubes securely inflated to cushion and protect products during shipment.

- Patented one-way valves keep chambers inflated even if one is punctured
- Perfect for extended ship cycles and puncture resistance
- Stock and custom designs available to meet unique needs



Void-fill and Light Cushioning

Turbo™

Pregis AirSpeed® Turbo™ is a high-speed, versatile system that creates void fill and light cushioning inflatable packaging.

- Versatile system creates air pillows and double cushion patterns
- Smart logic identifies film and optimizes system settings
- Designed to protect packers – no exposed parts, ergonomic and user-friendly
- Compact design fits any packaging environment



Light Cushioning

Quilt

Low-profile material featuring air transfer technology creates highly versatile quilt pillows and a moldable packaging solution for wrapping and void-fill: a great space-saving and efficient alternative for products packed using traditional bubble.



Void-fill

Air Pillows

Air pillows are an economical and non-abrasive on-demand void fill solution.



Double Cushion

Flexible void fill for top, side fill and corner protection. Double cushion allows packers to fit pillows into tight-fitting spaces.



Air pillows, double cushion and quilt are also compatible with Pregis AirSpeed® Mini Pak'R®. Air pillows are also compatible with Pregis AirSpeed® Smart machines.



Pregis Renew™ portfolio options available

Pregis' most sustainable packaging solutions.

Paper Systems

Cushioning System

Packmaster™ Pro

Pregis Easypack® Packmaster™ Pro advanced on-demand paper cushioning system produces robust paper cushioning easily molded around products from delicate items to heavy industrial goods.

- Load and go in under 30 seconds!
- Single or multi-ply paper in a roll or fan fold
- Offerings include FSC® certified 100% recycled paper
- Safety lockouts
- Programmable pre-set lengths and quantities
- Horizontal or custom configuration



Maxwell® Intelligent Interface

Compatible with the Packmaster Pro, Maxwell Intelligent Interface empowers users with greater system controls, customization options, on-demand training videos and detailed reporting.

Wrapping System

GeoTerra™

Pregis Easypack® GeoTerra™ curbside recyclable solution provides light cushioning and interleaving protection.

- Convenient curbside recyclability
- Pattern nests together, locking products into place
- Provides protection on all sides that doesn't require tape
- Dispenser with easy tension adjustment for quick pull, tear and pack motion
- Lightweight rolls are easily loaded with no set up



Void Fill System

Pregis Easypack® Quantum™ Series of paper void-fill systems offer unrivaled simplicity with user-friendly controls and a quick and easy loading process. The compact, patented floating-head design virtually eliminates paper jams, maximizing uptime.

- Intuitive interface simplifies employee training
- Load and go in under 30 seconds!
- No blades or exposed parts
- Variety of dispensing options, including foot pedal
- Programmable pre-sets dispense paper at specified lengths
- Offerings include FSC® certified 100% recycled paper

Quantum™ XTW

- Ideal for mid- to low-volume decentralized packing environments
- Patented bladeless tear-assist allows operator to tear paper effortlessly

Quantum™ Pro

- Ideal for high-volume centralized packing environments
- Bladeless auto-tear cleanly separates paper with no additional motion or downward force required



Inspyre™ Paper

Pregis Inspyre™ paper is a void-fill solution that allows brands to connect with customers. This custom branded tissue paper is proven to increase perceived product value, brand impression, and brand recall.



GeoPack™

Pregis Easypack® GeoPack™ portable box dispenses paper made from 100% recycled material into ready-to-use pre-crumpled packing paper for void fill and protection.



Foam-in-Place Systems

SmartBagger™ Foam-in-Bag System

Pregis IntelliPack® SmartBagger™ is ideal for high volume, medium to large applications requiring cushioning or blocking and bracing to protect goods. It offers the highest degree of protection for valuable items.

- Quick, simple and safe loading
- Intuitive control panel
- Easy-to-replace sealing wires and edge seal arbors



Maxwell® Intelligent Interface

Compatible with the SmartBagger, Maxwell Intelligent Interface empowers users with greater system controls, customization options, on-demand training videos and detailed reporting, including consumption and performance data. Innovative diagnostics monitor machine components, notifying technicians of potential problems and allowing replacement parts orders without downtime. Maxwell technology maximizes productivity with energy-efficient settings and self-cleaning options.

SmartShot™ Foam-in-Place System

Pregis IntelliPack® SmartShot is designed for the versatility of packing large or odd-shaped items. When your foam-in-place operation requires a handheld touch use the SmartShot.

- Tapered dispenser
- Heated dispenser minimizes cold-shots
- Insulated handle stays cool



SmartShot™ Hybrid Foam-in-Place System

Pregis IntelliPack® Hybrid is an innovative cross between handheld and bagger system – the best of both worlds.

- Hybrid bag stand creates a handheld and bagger machine all-in-one!
- Variety of bag and stand dimensions available for customer needs
- Package a wide variety of products with one piece of equipment



Accessories and Consumables

SmartMold

Pregis IntelliPack® SmartMold creates custom molds prefabricated for a specific product.

- Consistent cushioning block & brace protection for places that need it most
- Reduce packaging waste
- Eliminates packer variability for reliable protection



SmartFoam™ Liquid Foam

Only Pregis IntelliPack® A & B liquids are stored in clear outer containers allowing you to see the amount of liquid in drums or totes for improved inventory management. Available in various densities to provide the optimal protection for your shipping needs.



SmartFilm™

Pregis IntelliPack® SmartFilm™ is a high-performance film used to contain liquid polyurethane foam.



SmartLube™

Pregis IntelliPack® SmartLube™ is a solution used for maintaining and cleaning machine parts.

Markets Served

- Industrial
- Electronics
- Home and Garden
- Automotive



Foam Rolls & Pouches

Polyethylene Foam

Astro-Foam® polyethylene foam is an easy-to-use protective packaging solution that can be used in a wide range of industries and applications.

- Tear resistant protection for items with sharp edges
- High cushioning and compression strength minimize shock and vibration during transit
- Non-abrasive material protects the integrity of the surface



Astro-Foam Renew™

- Contains 15% post-industrial recycled content



Dispenser Pack

- Convenient, mobile cartons & perforated rolls
- Roll widths: 12" or 24"
- Perforation 12"



Converted & Laminated

- Pouches – available in 1/8" foam, standard or custom pouch sizes
- Laminated – foam with film protects against tears and punctures. Available in rolls or oversized bags
- Bumper Guard Foam®/Woven PE Laminate – maximum cushioning with enhanced puncture/abrasion protection
- Other capabilities – Adhesive, cohesive, kraft paper



Specialty Foam Products

Soft polyethylene foam has clean, non-abrasive material properties to provide superb protection for delicate surfaces. It requires no wire cutting (unlike EPS) and is recyclable homogeneous LDPE (where available).

ProFlex® Profiles

- Able to conform to nearly any product contour
- Excellent resiliency, flexibility and shape memory
- Maximum shock absorption and vibration dampening
- Cushioning, blocking and bracing



Corner Keeper® Protectors

- ProFlex profiles pre-cut to Corner Keeper protectors save time and labor
- Pull apart easily for minimal labor and inventory.



Edge Foam® Protectors

- Flexible L- or U-shape channels wrap snugly around corners, edges and asymmetrical shapes
- High cushioning and compression strength minimizes shock and vibration during transport



Fabricated Foam

The PolyPlank® family of products are available in standard and custom lengths. Widths range from 24" to 48", with thicknesses ranging from ½" – 10", densities from 1 to 9 pounds per cubic foot.

PolyPlank® EXT Engineered Foam Plank

- Produced via an extrusion process which creates a uniform foam with excellent dimensional stability
- Cushions against repeated impacts and can be engineered with anticipated performance

Kase Foam

- Closed cell polyethylene foam for high end, reusable storage and shipping cases
- Higher cell count significantly improves aesthetics and structural integrity, especially for designs with thin wall section



SFT Foam

- Specially formulated to provide a "softer" polymer to reduce abrasion protecting "Class A" surfaces
- Unique foam die cuts and slices more easily than cross-linked foams and is generally more economical



LEL Foam

- Contains less than 10% LEL VOC meeting military and other low residual blowing agent specifications



PolyPlank® LAM Engineered Foam Plank

- Extruded in varying thicknesses and laminated together for custom thickness or properties
- Laminated foam provides maximum cushioning, excellent dimensional stability and an economical foam plank

Renew™ Foam

- Made with a minimum of 60% post-industrial recycled content
- Sustainable solution with no extra cost



MDL™ Foam

- Multi-density patented design combines a thin-gauge, high-density PE top-skin with a high-performance, low-density PE foam base for a uniquely designed custom solution



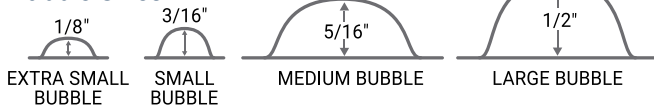
Pregis Renew™ portfolio options available

Pregis' most sustainable packaging solutions.

Bubble Rolls and Pouches

Pregis offers a full line of strong, flexible and lightweight bubble cushioning products to meet all of your protective packaging needs.

Bubble Sizes



Medium Duty

Industrial strength bubble for intermediate storage cycles. (less than 30 days)

Heavy Duty

Fragile or heavy products that have extended storage and shipping cycles.

Converted & Laminated

- **Bags** – Feature self-seal closure. Transparency provides easy product identification. Available in 3/16" bubble, standard or custom bag sizes
- **Adhesive** – Sticks directly to the product. Peels off easily without leaving a residue
- **Cohesive** – Sticks to itself, not the product. Leaves no residue behind. Also available in a convenient dispenser carton, with or without perforations
- **Third Web** – bubble with a layer of film laminated to provide extra protection against tears and punctures. Available in rolls or over-size bags
- **Bumper Guard Bubble/Film Laminate** – cost-effective, strength and durability, and light cushioning
- **Other Substrates** – kraft paper, polyethylene films or foil



Astro-Bubble Green™

- Made with 25% post-industrial recycled content
- Light green color
- Recyclable at store drop-off locations across the country



Anti-Static Bubble

- Static dissipative properties. Perfect for electronics
- Light pink color



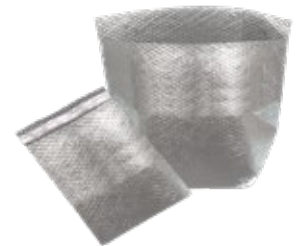
Dispenser Pack

- Convenient, mobile cartons & perforated rolls
- Roll widths: 12" or 24"
- Perf 12"



ThermaCycle™ Flex Insulated Packaging

- Innovative, metalized all-polyethylene structure for category 4 recycling via store drop off
- Made with minimum 30% recycled content
- Ideal for cold chain applications: grocery & meal kits, meats, baked goods, cosmetics, etc.
- Available in 2D pouches and 3D insulated box liners



Ready-to-Pack Shipping Mailers

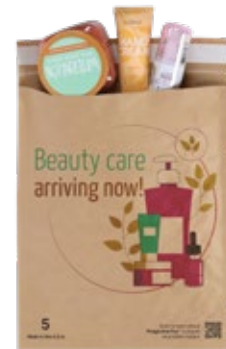
Pregis EverTec™ Curbside Recyclable Mailers

EverTec mailers are durable, curbside recyclable paper mailing solutions designed to right-size e-commerce shipments while making it easy to meet sustainability goals. These mailers are available in a variety of sizes and protection levels to help you protect your products, profits and the planet!

EverTec Cushioned Mailer

The Pregis EverTec Cushioned mailer is the curbside recyclable, cost-saving answer for small box replacement, ideal for shipping less-fragile items.

- Unique, unmatched cushioning properties protect your products from fulfillment to doorstep arrival
- 2-ply kraft paper construction allows for reliable durability needed to navigate the parcel network
- Sustainable right-sizing solution to replace small boxes, 4x faster than manually packing a box
- 4-color digital print to provide the best customer experience possible



EverTec Non-Cushioned Mailer

The Pregis EverTec non-cushioned mailer is the sustainable replacement for manually-packed poly mailers, ideal for shipping non-fragile items.

- 2-ply kraft paper construction provides reliable durability to handle operational and shipping stressors
- Reinforced side seals keep products contained throughout shipping journey
- 1-color custom print brings branding dreams to life



Mailer-Box Self-Sealing Corrugated Shipper

- Superior rigidity and protection without the cost and set up time of boxes
- Easy to open tear strip for convenience
- Available in small and medium sizes.
- Custom sizes and printing available



Air-Kraft® Bubble-Lined Kraft Mailers

- Self seal or top load
- One color custom printing available



Automated Mailing & Bagging

Pregis Sharp™ automated baggers increase productivity while reducing shipping costs and labor constraints. Designed for safety, ease of use, and throughput, a single Sharp bagger can pack the same number of bags as four manual packers. Customers typically see their return on investment (ROI) through this increased efficiency in six to nine months

SX Tabletop Bagging System

The Pregis Sharp SX™ is a user-friendly tabletop bagging machine that sets up in seconds, using a standard electrical outlet, and takes the complexity out of hand-loading operations.

- All electric design for immediate set up, no forced air needed
- Print shipping labels or product details directly onto bags
- Off-the-shelf parts result in significant savings on replacement parts
- Self-diagnostics identify and correct problems quickly

SX

Runs bags 2" - 11" wide and 4" - 32" long; 4.5" passthrough



Max Automated Systems

Pregis Sharp Max Bagging Systems are ideal for mid- and high-volume pharmaceutical, medical, small parts, injection molding, and fulfillment applications.

- Mechanical bag open assembly ensures consistent opening for both manual and automated scenarios
- Inline thermal printing on integrated Zebra printers
- Long-lasting sealing mechanism minimizes critical wearable parts
- HMI, printer and PLC can be networked, allowing for optional remote support and diagnostics
- Off-the-shelf, nonproprietary parts means reduced lead times when a replacement part is needed

Max 12

Runs bags 2" - 12" wide and 3.5" - 32" long; 6" passthrough

Max 20

Runs bags 2" - 20" wide and 3.5" - 32" long; 6" passthrough, up to 10" available



MaxPro Automated Systems

Pregis Sharp MaxPro Systems take it to the next level. Perfect for high-volume e-commerce applications, MaxPro baggers are safe, user-friendly, and efficient. These technologically advanced baggers ensure more uptime and the ability to automate with robotic integrations fully.

- Inline thermal printing and optional label side up exit conveyance expedites package scanning
- HMI controlled passthrough adjustments allow for faster job changeovers
- Easy-to-use and easy-to-train HMI screen allows for intuitive operation
- Inherently safe design, including low forces on all machine motion, keeps packers safe
- Predictive maintenance allows you to schedule preventative maintenance on your schedule
- HMI, printer, and PLC can be networked for easy integration and remote diagnostics

MaxPro 18

- Runs 2" - 18" wide and 18" - 40" long;
8" passthrough

MaxPro 24

- Runs bags 10" - 24" wide and
24" - 36" long; 12" passthrough



Maxwell Predictive
Maintenance

Automated Mailing & Bagging

Pregis Poly Lite™ Mailers & Multipurpose Poly Bags

Pregis uses the highest-grade resins to extrude and convert film in-house to ensure consistency and guarantee superior quality bags that are made to customer specifications - film type, size, seal type, vents, and custom printing. And our bags are made for optimal compatibility with Pregis Sharp automated bagging systems, when used together customers will see increased uptime, efficiency, and seal quality.

Pregis Poly Lite Mailers

Pregis Poly Lite Mailers offer the perfect balance between customizable design and maximum mailer performance, ensuring the best possible customer experience.

- Customizable sizes available, with short lead times
- Special features are available to tailor mailers to your product needs, including vent holes, return strips, and more
- Unique film properties available for special shipping needs, including VCI, anti-stat and more
- 8-color custom print



Pregis Multipurpose Poly Bags

- We offer a wide range of industrial-strength poly bags, with a range of customizable attributes.
- Customizable sizes and film attributes to fit your product needs
- 8-color custom print elevates customer experience



Cohesive Solutions

Cohesive Automation System

Cohesive automation provides product protection during shipping, improve productivity, and drastically lower labor and total package costs.

- Reduce DIM weight with “right-size” packaging
- Increase throughput—Up to 2,100 items per hour
- Enhance customer experience with custom branding and 3-color printing



Single Face Corrugated

- Padding, protection and rigidity
- Available in various flute types and paper grades



Film

- Secure, puncture and weather resistant
- Available in wide range of cohesive films



Paper, Linerboard, Poly-Paper

- Rigid, versatile and recyclable
- Cohesive Paper – economical, durable products
- Cohesive Linerboard – high rigidity, corner and surface protection
- Cohesive Poly-Paper – weather resistant, premium aesthetic



Bubble And Foam Substrates

- For added flexibility and cushioning
- Cohesive Bubble – high-performance cushioning and protection
- Cohesive Foam – lightweight, flexible cushioning



Specialty Paper

Paper Products

CushionPak® Recycled Paper Cushioning

- Made from multiple layers of 100% recycled tissue paper sheets
- Ideal for surface protection, cushioning and void-fill
- Efficient design uses embossed or edge-line technique to secure tissue paper sheets together



Single Face Corrugated

- A, B, E, Wave and Jumbo Flute types available
- Various paper types, colors and weights available
- Standard or custom converted options available (width and lengths)
- 3-color printing and solid colors (flood printed colors) available



Ready-to-Use Paper

In addition to being earth-friendly, paper is also durable, flexible and can be slit into different size rolls and sheets, coated, embossed and printed. In other words, it provides endless optionality! Our ready-to-use range of recycled kraft, virgin, newsprint, bogus and tissue paper are available in a variety of paper grades and sizes.

Void Fill Paper Packaging

- Protection from void fill to wrapping
- Versatile option for many industrial, packaging and shipping applications
- Available in a variety of paper grades, sheets and rolls



Surface Protection Paper

- Protection that stands up to the toughest industries including construction, industrial tools, steel applications, automotive, marine and aerospace.



Grocery & Foodservice Paper

- Food service papers found in every restaurant, grocery store, butcher shop, bakery and your favorite deli.



Specialty Products

Furniture Protection

Centerfold Laminations

- Centerfold Lamination forms a large bag for cost effective, strong, resilient cushioning
- Furniture Guard® polyethylene foam provides superior protection for any type of packaging, moving or storing opportunity
- Furniture Guard Plus® provides a virtually tear proof foam/film lamination that addresses the needs of various applications from “shrink-wrap” to “stand alone” systems
- Third web bubble offers an extra layer of material strength for excellent surface protection and superior resistance to tears and punctures while providing increased visibility



Automotive Protection

Bumper Guard

- Astro-Bubble®/Film Laminate – cost-effective, strength and durability, and light cushioning
- Astro-Foam®/Woven PE Laminate – maximum cushioning with enhanced puncture/abrasion protection
- Available in wrap and bag forms



Trays

Panta-Pak Trays

Industrial applications:

- Thermoformed from high strength film; molded cup shapes hold items in a secure package
- These molded trays require no tray set-up like cardboard trays
- The plastic tray is durable enough for reuse and return packing

Fruit/Produce applications:

- Trays help immobilize produce from peaches and pears to tomatoes
- As an ideal produce merchandiser, the color varieties enhance the visual appeal of produce
- Available in a wide range of shapes, sizes and colors



Temporary Protective Films

Pregis PolyMask® temporary protective films cover every major market and application requiring surface protection – from stages of manufacturing through shipping and final assembly.

What are temporary protective films?

- Pressure-sensitive adhesive coated film (i.e., surface protection film, protective tape, protective masking)
- Protects during various stages of processing and environmental conditions
- Adheres to the surface, stays adhered and removes cleanly when the job is done
- Films can be applied to the surface by hand or through machine lamination



Protective film solutions for virtually any surface and market.

Automotive

Offering surface protection for a wide variety of interior and exterior surfaces for automotive, maritime and other transportation applications. Our films protect during assembly, storage and shipping to the final point-of-sale.



Metals

Our films are designed to protect during processing and are optimized for a range of metal surfaces including steel, aluminum, pre-painted and pre-coated sheets, and uncoated and corrugated sheets.



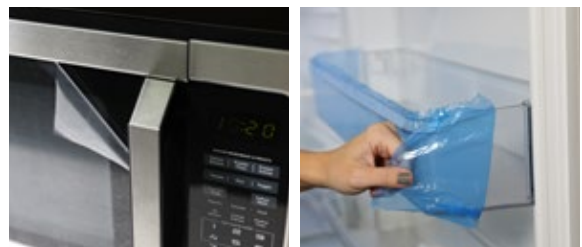
Building & Construction

Adhesive coated films safeguard both the job site and critical materials during transport and installation – from carpeting, countertops, windows, doors and sandwich panels to high-traffic areas.



Appliances

We offer films with tailored adhesion levels that ensure appliances remain free from marring, scratching and abrasion. Films are formulated for stainless steel, aluminum, plastic, polypropylene, and polystyrene appliance surfaces.



Flexible Packaging Solutions

Pregis is an industry leader in flexible films. Bold investments in new engineered innovations, manufacturing footprint and expertise are taking the market to heightened levels of customer delight and performance.

Pregis Performance Flexibles offers a comprehensive approach to flexible packaging solutions that meets increasing consumer demand for convenience and sustainability in food & beverage, CPG and medical-device packaging.



General Performance Series

- Highly versatile
- Diverse application use
- High-quality

High-Performance Series

- Built for physical toughness
- Modulus forward design
- Meets WVTR and other critical performance testing
- Accommodates custom formulations

Optimized formulations

Food & Beverage

- Snacks & confectionery
- Meats
- Fruit & vegetables
- Dairy
- Processed
- Frozen
- Beverages
- Pet food

Barrier Series

- Built for oxygen, moisture, odor and chemical requirements
- Leverages high-performance series toughness protection
- Accommodates custom formulations

Renew Series

- Designed for the circular economy with recyclable, recycled content and renewable formulations
- Engineered performance with less material
- Maximum recycled content

Healthcare

- Medical devices & supplies
- Dental supplies
- Pharmaceuticals

Industrial Secondary and tertiary

- Wrapping & bundling
- Logistics



What Drives Us

Integrity



Customer Focus



Collaboration



Innovation



Sustainability



PROTECT
PRESERVE
INSPIRE

Pregis

Our Purpose

Sustainability is more than the products and materials we use. It's a value system that impacts everything we do.

At Pregis, we don't just reduce, reuse and recycle – we use our position to lead the way to a **circular economy** that puts people and the planet first.

As a leader in protective packaging solutions, it's our mission to **protect the planet, preserve our resources, and "Inspyre" change.**



Protect our planet by reducing damage and preventing reshops. We can help you protect customer experience, profits and your employees.



Preserve natural resources and the environment. We focus on designing products and processes that contribute to a circular economy through end-to-end supply chain excellence.



People are the "y" in "**Inspyre.**" We inspire people to do good for the world through education, industry advocacy, professional and personal development.

Products worth protecting deserve Pregis

We are a leading manufacturer of **innovative packaging solutions** and **protective products**.

We solve our customer's toughest business challenges with packaging so they can create customers for life. We do this by delivering **creative solutions to packaging challenges** and leveraging a material neutral portfolio.

Contact us today!

www.pregis.com



Inside the Box Protection

Ready to Use Packaging |
On Demand Systems – Air, Paper,
Foam | Foam for Fabrication



Mailing and Bagging Solutions

Automated Poly Bagging |
Automated Cold Seal Packaging |
Shipping Mailers



Surface Protection

Temporary Protective Films |
Interleaving Materials | Foam
Edge Protectors



Consultative Services & Training

Package Design and Testing |
Custom Integration | Technical
Support | Sustainable Packaging