



NEXGEN™

ECO ADVANCED™

Reshoring American Packaging™



www.ecobio.earth



www.nexgenpac.com

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Who We Are

NexGen is a domestic designer and manufacturer of paper and plastic single use disposable packaging for the Multi-Unit Operators in The United States and Canada. We specialize in the customization and decoration of food and beverage cups and containers. We have 5 manufacturing and distribution locations with more than 500,000 square feet located in St. Louis, Missouri, and Piscataway, New Jersey.

Plastics

We are a pellet to pallet, fully integrated manufacturer that specialize in extrusion, thermoforming and automated packaging lines that are compatible with all packaging materials. We have more than 50 plastic processing machines and a broad stock container and cup offering. We design custom packages to meet our customer application needs with appropriately engineered products.

Paper

We offer a complete pre-press service for flexography printing including a design center, CAD table with plate and film making machines. We have more than 50 paper converting machines for both cups and containers. NexGen offers both folding cartons, round cups and containers with inline lamination and front and back paper printing technology on high-speed printers.

Printing

We print both plastic and paper cups and containers on high-speed equipment. We customize our programs around our customer needs and deliver small to medium size production runs to reduce inventory, increase turns and improve cash flow. Our paper printing Flexographic press can offer up to 10 colors and our plastic cup printers can offer up to 8 colors of dry-offset technology. We use earth friendly inks when possible and focus on quick turnaround orders.

Materials



Scan Me



NexGen manufactures, compounds and converts the most eco-advanced plastic and paper materials in the world. From recycled content to biodegradable features, we can create custom formulations to meet your environmental footprint needs. Our materials are certified food contact safe. We purchase materials globally and manufacture in our domestic facilities.

Market Channels

We focus on multi-unit accounts in the food packaging channel that include supermarkets, convenience stores and retail big box warehouse clubs. We also focus on the food service channel that includes limited-service restaurants, full-service restaurants and food service management firms. We private label for multi-unit distributors building brand awareness with domestic manufacturing assets to support products made in the USA.

Channel Strategy

Our fully integrated manufacturing platform creates supply chain efficiencies and mix enrichment to achieve the most cost effective and low-cost manufacturing and distribution system. We can consolidate both plastic and paper items on a single truck to reduce freight costs, warehouse and handling costs which increases cash flow and turns inventory efficiently. NexGen can source non manufactured products globally to consolidate spend and increase product mix to achieve the best possible cost model.



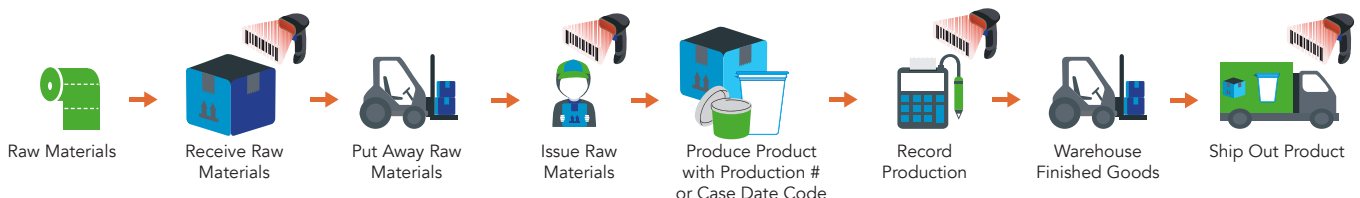
Certifications

NexGen facilities are SQF 9.0 packaging level 2, food grade certified. All of our materials are food grade certified and have all the responsible sourcing certifications from around the world. Our global manufacturing partners are BRCS certified.



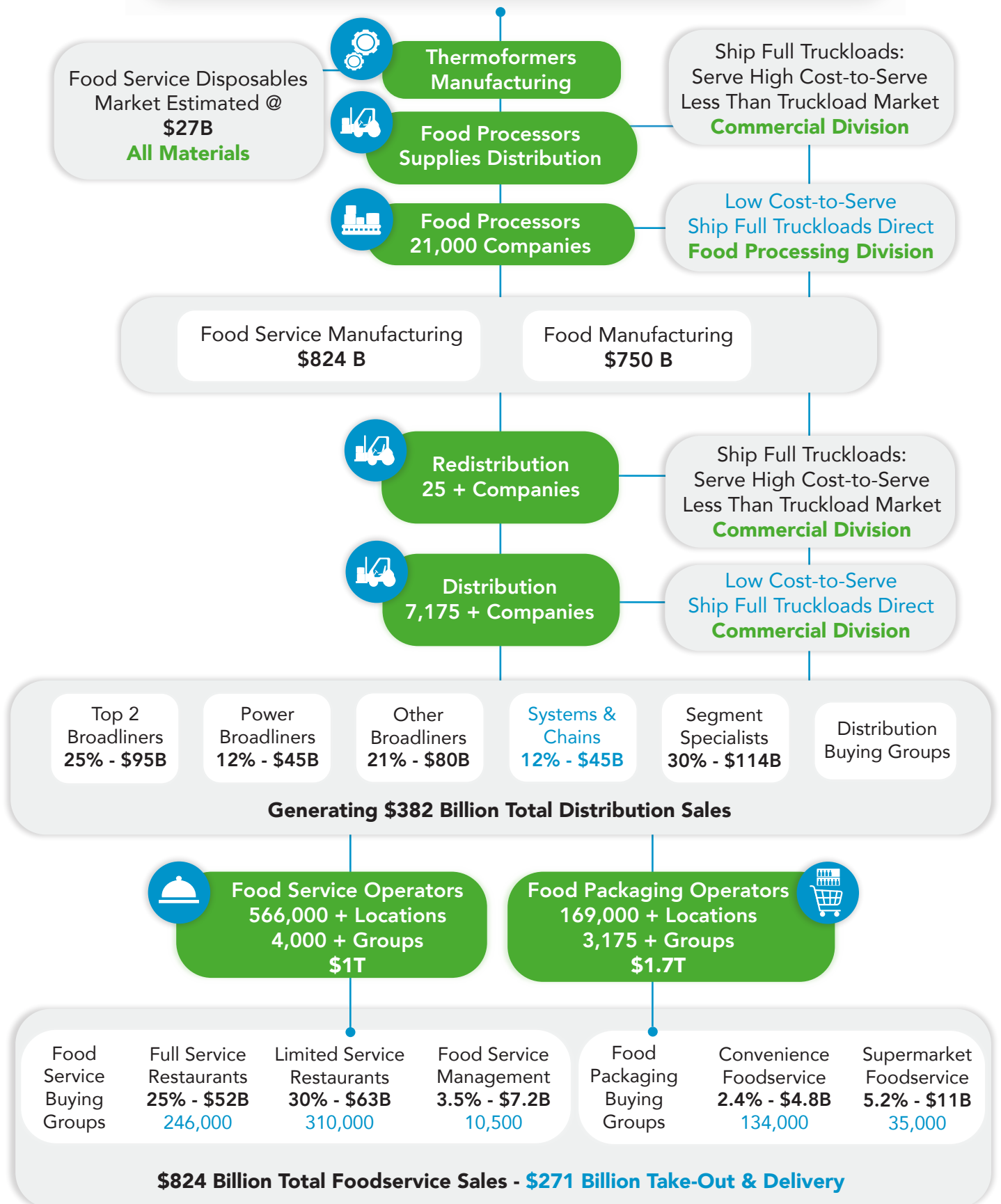
ERP

Enterprise Resource Planning - Our manufacturing platform is fully automated with min/max and production technology to ensure we always have the right product at the right time for fulfillment to your operators. Just In Time Inventory increases cash flow and reduces inventory burdens. Our forecasting system will ensure your operators receive the right product and the right time with no out of stocks.



Disposables Market Channel

Quick Study Guide



Please note that the views, thoughts, opinions and information contained on this report belong solely to the author. This information was collected from websites, company records and online reports available to the public.

Green Technology

The global green technology and sustainability market size was valued at US \$16.50 billion in 2023 and is projected to grow from US \$19.83 billion in 2024 to US \$83.59 billion by 2032, exhibiting an annual growth rate of 19.7% during the forecast (2024-2032). **North America accounted for a market value of US \$5.84 billion in 2023 a period to be \$6.99 billion by 2032.**

United States Biodegradable Plastics Market is expected to reach US \$2.18 Billion by 2028, with an annual growth rate of 13.68% during this period of 2022-2028.

The plastics industry is changing. Biodegradable packaging has become an integral part of the global packaging market.

The rising consumer awareness of biodegradable packaging has led to tremendous growth in the overall market. Biodegradable materials can undergo biodegradation, a chemical process during which environmental microorganisms convert materials into natural substances such as carbon dioxide, water, compost. The method of biodegradation depends on the surrounding environmental conditions.



The North America plastic recycling market size was valued at USD 2.9 billion in 2020 and is expected to expand at a compound annual growth rate (CAGR) of 13.1% from 2021 to 2028. Changing consumer behavior towards sustainability is driving the market in North America. Increasing concerns related to plastic pollution, harmful emissions from the use of petrochemicals, and fluctuating crude oil prices have been driving the demand for plastic recycling. Increasing use of recycled plastics in several industries such as textiles, automotive, packaging, and electrical and electronics, and building and construction is anticipated to boost the demand for plastic recycling in the U.S. and Canada.

Rising concerns over the use of plastics, increasing demand for alternatives to conventional plastics have been observed in the market. End-use industries in the market are shifting their focus toward the use of recycled plastics to achieve a reduced carbon footprint associated with the manufacturing process of recycled plastics as compared to virgin plastics.



A Green Technology Brand



Plastic™

- 80% & 100% Post-Consumer Recycled Material
- Organic Biodegradable Additive
- Landfill Diversion
- UpCycle – Recycle and Reuse
- 29% Annual Recycling Rate
- * Energy Savings
- * Reduce Fossil Fuels
- * Reduce Carbon Footprint
- * Less Toxic
- FDA Approved
- EFSA Approved
- Global Recycling Standards
- ISO Certified Facilities

* Compared to Virgin Petroleum Based Materials



Paper™

- 100% Plastic Free Coating
- 100% Recyclable
- 100% Home Compostable
- 100% Commercial Compostable
- 100% Marine Degradable
- 100% Biodegradable
- 100% Repulpable
- 68% Annual Recycle Rate
- Freezable, Microwaveable & Ovenable
- No Harmful Chemicals – PFAS Free
- FDA Approved
- HALAL Approved
- PEFC Responsible Sourcing



Flute™

- Sturdy light weight packaging
- Resists grease and retains heat
- Venting options
- Windowing options
- F-Flute for kraft unprinted containers
- E-Flute for kraft printed containers
- 100% recycled material
- Clean, green, and sustainable



Custom™

We can make custom designed plastic and paper cups and containers to meet your sustainability goals.

Please call for more information.

Carey Edwards
☎ (314) 809 - 3039

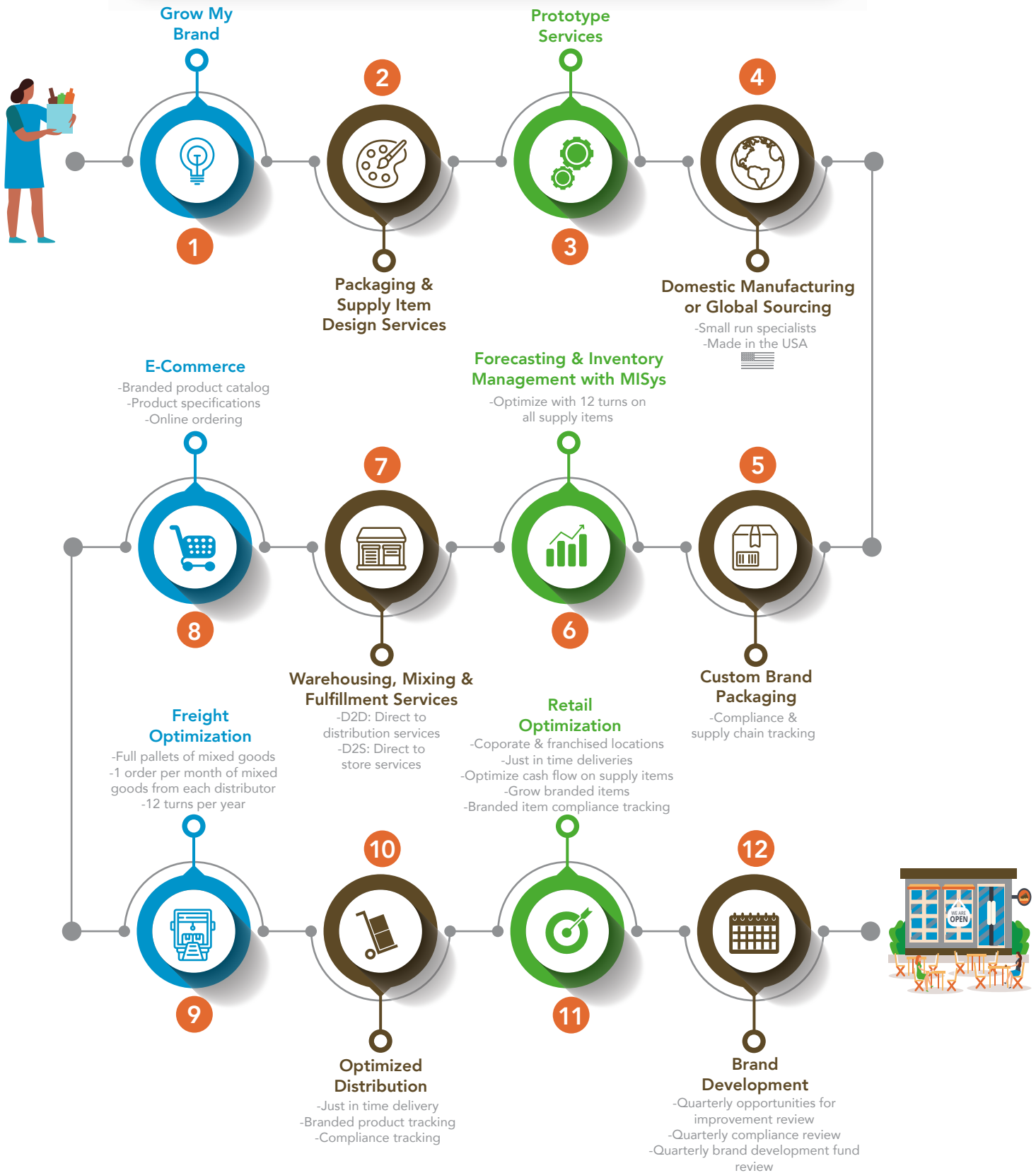
SCAN ME



We use the most eco-advanced materials for our paper and plastic manufactured items.

Grow Your Brand Checklist

Multi-Unit Operators



Please contact us for a free no obligation packaging evaluation.

Line Card

Reshoring American Packaging™



Plastic Division



Portion Control Cups



1oz
2oz

Beverage Cups - Sampler & Taster



1oz
2oz
3.5oz
5oz
7oz
9oz

Beverage Cups - 92mm



4oz Insert
9oz Squat
12oz
14oz
16oz
18oz
20oz

Beverage Cups - 98mm



14oz
16oz
18oz
20oz
24oz

Beverage Cups - 105mm



30oz

Beverage Bottles



16oz
32oz
64oz
Tamper Evident Cap

Food - Deli Cups



8oz
8oz XL (12)
16oz
16oz XL (20)
32oz
32oz XL (36)

Food - Dessert Cups



Small
Medium
large
Parfait
Low Dome Lid
High Dome Lid
Banana Split

Produce Containers - Combo Pack



Veggie Tray & Lid
Octagon Tray & Lid
Luau Bowl & Lid

Family Pack Containers



2" Tray
4" Tray

Entrée Containers - Combo Pack



Small - 8x6x3 (620)
Medium - 10x7x3 (817)
Large - 12x8x3 (920)
Square - 8x8x3 (520)

Accessories



Beverage Straws
Take-Out Bags
Cutlery Kits

Plastics Material Identification

Material	RPET	RPET	RPET	EcoBio	PLA	PLA
Material Code	50	80	100	EB1	PLA	BPLA
Recycle Symbol	#1	#1	#1	#1	#7	#7
Price (1=Less Expensive)	1	2	3	4	5	6
Virgin Material	50%	0%	0%	0%	100%	100%
Post Industrial Recycled PET	50%	20%	0%	0%	0%	0%
Post Consumer Recycled PET	0%	80%	100%	100%	0%	0%
Organic Biodegradable Additive	0%	0%	0%	2%	0%	2%
Active Recycling	Yes	Yes	Yes	Yes	No	No
Biodegradable	No	No	No	Yes	No	Yes
Home Compostable	No	No	No	No	No	No
Commercial Compostable	No	No	No	No	Yes	Yes
Diversion from Landfill	Yes	Yes	Yes	Yes	Yes	Yes
UpCycle-Recycle & Reuse	Yes	Yes	Yes	Yes	Yes	Yes
Annual Recycling Rates	29%	29%	29%	29%	No	No
Renewable Raw Material	No	No	No	No	Yes	Yes
* Energy Savings	Yes	Yes	Yes	Yes	Yes	Yes
* Reduced Fossil Fuel	Yes	Yes	Yes	Yes	Yes	Yes
* Reduced Carbon Footprint	Yes	Yes	Yes	Yes	Yes	Yes
* Less Toxic	Yes	Yes	Yes	Yes	Yes	Yes
Plastic Free	No	No	No	No	No	No
				BEST OPTION		

* Compared to Virgin Petroleum Based Materials

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SCAN ME



Line Card

Reshoring American Packaging™



Paper Division



Beverage Cups



6oz - 77mm
12oz - 88mm
16oz - 88mm
21oz - 88mm
32oz - 105mm

Beverage Sleeve



88mm

Beverage Carrier



2 Cell
4 Cell

Food Cups



6oz - 98mm
8oz - 98mm
12oz - 98mm
16oz - 98mm



12oz - 117mm
16oz - 117mm
24oz - 117mm
32oz - 117mm

Food Buckets - 170mm



32oz
40oz
48oz
56oz
64oz
88oz
128oz



Pizza Plate

9"x.25"



SmartBox

#1S - 5"x4.5"x2.5"
#8M - 6.75"x5.5"x2.5"
#3L - 8.5"x6.25"x2.5"
#4XL - 8.5"x6.25"x3.5"



SmartView

#1S - 5"x4.5"x2.5"
#8M - 6.75"x5.5"x2.5"
#3L - 8.5"x6.25"x2.5"
#4XL - 8.5"x6.25"x3.5"



Take-Out Handle Box

Small
Medium
Large



Take-Out Chicken Box

Medium



Food Trays

1#-5.5"x4.25"x1.5" Food Tray
2#-6.5"x4.75"x1.5" Food Tray
3#-7.75"x5.75"x2" Food Tray
5#-9.5"x6.5"x2.25" Food Tray



French Fry Boxes

Regular - 3"x2.25"x2"
Large - 3.5"x2.5"x2.75"

Line Card

Reshoring American Packaging™



Paper Division



Burgers & Sandwiches



4"x4"x2.75"
5"x5"x2.75"
6"x6"x2.75"

Hot Dog & Burrito



6"x2.75"x2.5"

Snacks & Appetizers



5"x3"x2.75"
6"x4"x2.75"
7"x5"x2.75"
8"x6"x2.75"

Sub & Hoagie & Grinder



7"x3.5"x2.75"
9"x3.5"x2.75"
11"x3.5"x2.75"

Take-Out Bags



EcoTemp

Cutlert Kit



Fork
Knife
Spoon
Napkin
Salt & Pepper

Personal Pizza Boxes



10" - 6"x6"x2.75"
12" - 6.5"x6.5"x2.75"
14" - 7"x7"x2.75"
16" - 8"x8"x2.75"
18" - 9.5"x9.5"x2.75"

Personal Pizza Slice Boxes



10" - 6"x6"x2.75"
12" - 6.5"x6.5"x2.75"
14" - 7"x7"x2.75"
16" - 8"x8"x2.75"
18" - 9.5"x9.5"x2.75"

Food Wrap



10x10

Beverage Straws



8"

Paper Material Identification

Folding Cartons					Beverage Cups	
Material Application	Carton	Carton	Carton	Carton	Cup	Cup
Material Description	CRB	SBS	FLUTE	EBox	P2S	ECup
Price (1=Less Expensive)	1	2	3	3	1	2
Material Strength	1	2	3	2	1	1
FDA Compliant	Yes	Yes	Yes	Yes	Yes	Yes
Virgin Material	0%	100%	0%	100%	100%	100%
Post Consumer Recycled Material	100%	0%	100%	0%	0%	0%
Organic Biodegradeable Additive	0%	0%	0%	2%	0%	0%
Active Recycling	Yes	Yes	Yes	Yes	No	Yes
Biodegradeable	No	No	Yes	Yes	No	Yes
Home Compostable	Yes	Yes	Yes	Yes	No	Yes
Commercial Compostable	Yes	Yes	Yes	Yes	No	Yes
Diversion from Landfill	Yes	Yes	Yes	Yes	No	Yes
Smooth Print Surface	Yes	Yes	Yes	Yes	Yes	Yes
Food Safe	Yes	Yes	Yes	Yes	Yes	Yes
Moisture Protection	Yes	Yes	Yes	Yes	Yes	Yes
Annual Recycling Rate	68%	68%	68%	68%	0%	68%
Plastic Free	Yes	Yes	Yes	Yes	No	Yes
Poly Coated	No	No	No	No	Yes	No
Wicking Technology	No	No	No	No	Yes	Yes
Barrier Protection	Yes	Yes	Yes	Yes	Yes	Yes
Microwaveable	No	No	No	Yes	No	Yes
PEFC Certified Sourcing	Yes	Yes	Yes	Yes	Yes	Yes
No Harmful Chemicals - PFAS Free	Yes	Yes	Yes	Yes	Yes	Yes
Can be Laminated for Window	Yes	Yes	Yes	Yes	No	Yes
				BEST OPTION		BEST OPTION

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SCAN ME



Line Card

Reshoring American Packaging™



Paper Flute Division



Burgers & Sandwiches



4"x4"x2.75"
5"x5"x2.75"
6"x6"x2.75"

Hot Dog & Burrito



6"x2.75"x2.5"

Snacks & Appetizers



5"x3"x2.75"
6"x4"x2.75"
7"x5"x2.75"
8"x6"x2.75"

Sub & Hoagie & Grinder



7"x3.5"x2.75"
9"x3.5"x2.75"
11"x3.5"x2.75"

Personal Pizza Boxes



10" - 6"x6"x2.75"
12" - 6.5"x6.5"x2.75"
14" - 7"x7"x2.75"
16" - 8"x8"x2.75"
18" - 9.5"x9.5"x2.75"

Personal Pizza Slice Boxes



10" - 6"x6"x2.75"
12" - 6.5"x6.5"x2.75"
14" - 7"x7"x2.75"
16" - 8"x8"x2.75"
18" - 9.5"x9.5"x2.75"

Family Pizza Boxes **B-Flute ONLY**



7x7x2
8x8x2
9x9x2
10x10x2
12x12x2
14x14x2
16x16x2
18x18x2

E-Flute Features

E-flute is a type of corrugated board with a thin profile that's used for packaging. It has a flat surface, high crush resistance, and is good for printing.

E-Flute is lightweight, rigid and made from two outside sheets of archival paper and a fluted inner sheet.



Features

- **Thickness:** E-flute is typically 1.5–1.8 mm thick.
- **Flutes:** E-flute has about 90 flutes per linear foot.
- **Surface:** E-flute has a compact structure that results in a smooth surface.
- **Compression strength:** E-flute has excellent compression strength.
- **Crush resistance:** E-flute has high crush resistance.
- **Printing:** E-flute's flat surface is good for high quality printing.
- **Colors:** E-Flute can be Kraft/Kraft or White/Kraft or plain White.
- **Oil & Grease Resistant:** E-Flute absorbs oil and grease between the three layers of paper.
- **Insulation:** The flutes resist bending and pressure and serves as insulation to moderate temperature and humidity inside the enclosure.
- **Window:** E-Flute can be designed to have a window for retail applications and warming units. The window is microwaveable.

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Materials Performance Matrix

Materials Guide	PLA	PET	PP	Paper	HIPS	OPS	EPS Foam
Cost	1	2	3	4	5	6	7
Clarity	Good	Excellent	Good	Poor	Good	Excellent	Poor
Durability	Fair	Excellent	Excellent	Fair	Good	Good	Poor
Rigidity	Fair	Excellent	Excellent	Fair	Good	Good	Poor
Barrier Properties	Excellent	Excellent	Good	Poor	Fair	Fair	Poor
Fat/Acid/Sugar Resistance	Fair	Good	Excellent	Fair	Fair	Fair	Good
Insulation	Fair	Fair	Excellent	Poor	Poor	Poor	Excellent
Cut Resistance	Fair	Good	Excellent	Fair	Poor	Poor	Poor
Crack Resistance	Poor	Good	Excellent	Excellent	Poor	Poor	Excellent
Compostable	Yes	No	No	No	No	No	No
Recycle Symbol	#7	#1	#5	#7	#6	#6	#6
Temperature Range	32 F/105 F	(10) F/150 F	(20) F/240 F	20 F/220 F	20 F/170 F	20 F/170 F	20 F/240 F
Warming Unit	No	No	Yes	Yes	No	No	Yes
Microwave Safe	No	No	Yes	Yes	No	No	Yes
Heat Lamp Safe	No	No	Yes	Yes	No	No	No
Oven Safe	No	No	No	No	No	No	No

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Food & Beverage Product Guide

Food Application Guide	PLA	PET	PP	Paper	HIPS	OPS	EPS Foam
Bakery	Good	Excellent	Fair	Poor	Fair	Good	Poor
Candy	Good	Excellent	Fair	Poor	Fair	Good	Poor
Deli/Cold	Good	Excellent	Good	Poor	Good	Good	Fair
Produce	Good	Excellent	Fair	Poor	Good	Good	Poor
Salads	Good	Excellent	Good	Poor	Good	Good	Poor
Sandwiches/Cold	Good	Excellent	Good	Poor	Good	Excellent	Good
Sushi	Good	Excellent	Fair	Poor	Good	Good	Poor
Sides/Cold	Good	Excellent	Good	Poor	Good	Good	Good
Dessert	Good	Excellent	Fair	Poor	Good	Good	Poor
Meats/BBQ	Poor	Poor	Excellent	Good	Fair	Fair	Good
Chicken/Strips	Poor	Poor	Excellent	Good	Fair	Fair	Good
Sausages/Franks	Poor	Poor	Excellent	Good	Fair	Fair	Good
Burgers	Poor	Poor	Excellent	Good	Fair	Fair	Good
Asian	Poor	Poor	Excellent	Good	Fair	Fair	Good
Deli/Hot	Poor	Poor	Excellent	Good	Fair	Poor	Good
Pasta	Poor	Poor	Excellent	Good	Poor	Poor	Good
Mexican	Poor	Poor	Excellent	Poor	Poor	Poor	Good
Sandwiches/Hot	Poor	Poor	Excellent	Poor	Poor	Poor	Good
Sides/Hot	Poor	Poor	Excellent	Good	Poor	Poor	Good
Dressings	Good	Good	Excellent	Poor	Good	Good	Good
Sauces	Poor	Poor	Excellent	Poor	Good	Good	Fair
Fried Foods	Poor	Poor	Excellent	Good	Poor	Poor	Poor
French Fries	Poor	Poor	Poor	Excellent	Poor	Poor	Poor
Chili	Poor	Poor	Poor	Excellent	Poor	Poor	Good
Soups	Poor	Poor	Good	Excellent	Poor	Poor	Good
Pizza	Poor	Poor	Good	Excellent	Poor	Poor	Poor
Beverage Application Guide	PLA	PET	PP	Paper	HIPS	OPS	EPS Foam
Iced Coffee	Good	Excellent	Good	Fair	Good	Poor	Good
Frozen Coffee	Good	Excellent	Good	Fair	Good	Poor	Good
Smoothies	Good	Excellent	Good	Fair	Good	Poor	Good
Iced Tea	Good	Excellent	Good	Fair	Good	Poor	Good
Carbonated Drinks	Good	Good	Excellent	Fair	Good	Poor	Good
Slushies	Good	Good	Excellent	Fair	Good	Poor	Good
Hot Coffee	Poor	Poor	Good	Excellent	Poor	Poor	Good

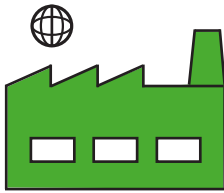
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Supply Chain

NEXGEN
ECO-ADVANCED.

Global

BRCS
Packaging Materials
CERTIFICATED



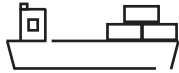
International Manufacturers

A strong international strategy, or the flexibility to adopt one, it still relevant. Asia is on the rise, and Vietnam in particular is one to watch for overseas manufacturing.



Air Freight

Bypasses port congestion, meets increasing demand for instant gratification and handles urgent needs. Close management of the process balances additional costs.



Ocean Freight

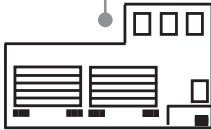
Expanded ports, highly efficient megavessels and increased containerization bring new opportunities for cost savings and efficiency.



Port / Customs Clearance

Constant monitoring of regulations prevents costly international penalties.

California
Western USA
Fulfillment Center



Value-Added Warehousing



Omnichannel Distribution



Distributors



**Direct-to-Retail
Transportation Management**



Multi-Unit Operators



Full Supply Chain Visibility

Systems offer simple, mobile and web access to both 10,000 foot views and granular details.

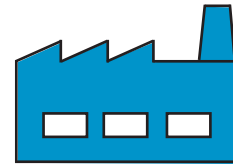
MISys Inventory Management System
30 days of inventory - 12 turns



MISys
manufacturing

NEXGEN
ECO-ADVANCED.

Domestic



Domestic Manufacturers

Asian markets may rise, but so will domestic manufacturing, which is expected to outstrip China's #1 position by 2020. Having a domestic supply chain infrastructure helps leverage change.

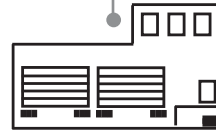
SQF
CERTIFIED



Ground Transportation

3PLs with both asset- and non-asset-based options allow combined flexibility, personalization and cost savings.

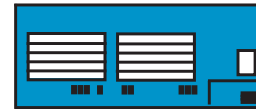
New Jersey
Eastern USA
Fulfillment Center



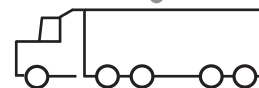
Value-Added Warehousing



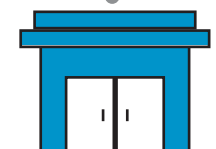
Omnichannel Distribution



Distributors



**Direct-to-Retail
Transportation Management**



Multi-Unit Operators

Missouri
Central USA
Fulfillment Center



Value-Added Warehousing



Omnichannel Distribution



Distributors



**Direct-to-Retail
Transportation Management**



Multi-Unit Operators

D2O - Direct to Operator E-Commerce Program

D2O - Direct to Operator E-Commerce Program

Global Sourcing. Domestic Solutions.™

We complement our domestic manufacturing with our global sourcing program. We can purchase all your disposables not made in the USA from BRCS certified facilities from around the world.

Global sourcing is a procurement strategy used to acquire goods or services from suppliers in other countries at the best possible price. This strategy typically seeks to exploit global efficiencies to enhance product or service delivery.

These efficiencies may encompass various economic factors, such as low-cost skilled labor, lower total cost, heightened international competition, innovative technology, and incentives, such as tax breaks and low trade tariffs.

NexGen can also access materials that are unavailable or more expensive to produce domestically.

NexGen can use five levels of global sourcing to enhance procurement.



Domestic Purchasing is sourcing goods and services from suppliers within the same country. This is the most basic level of procurement strategy, and businesses may use it for various reasons, such as reducing shipping costs or supporting local businesses.

International Sourcing is the second level and involves expanding the procurement strategy to include suppliers from different countries. This level of sourcing can provide access to emerging economies and opportunities for cost savings through the international market and suppliers.

International Procurement involves formalizing international sourcing processes and establishing relationships with suppliers in different countries. This level requires a more strategic approach to procurement, including understanding global efficiencies, developing vendor selection criteria, establishing contracts, and implementing quality control processes.

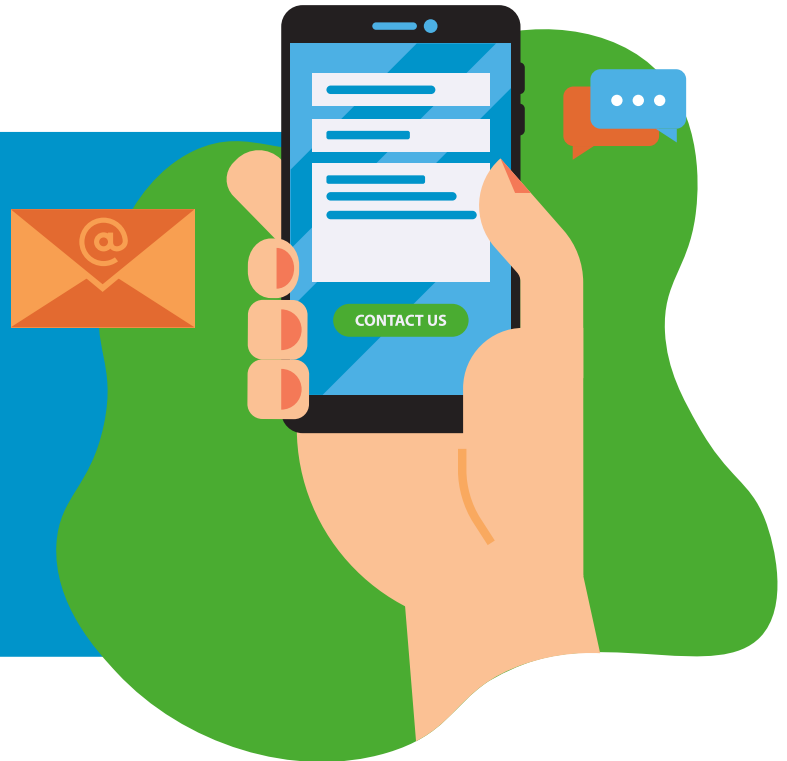
Centralized Procurement Across Global Locations aligns procurement processes between regions or business units. This level requires a high level of coordination and communication and the development of standardized procurement policies and procedures.

Contact Us



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www.nexgenpac.com