

Amazon Packaging Support and Supplier Network (APASS)

To support vendors and sellers in certifying their products under Amazon's Frustration-Free Packaging Programs, this document provides a list of companies and labs that can help test, design, and supply packaging in line with meeting Amazon's Packaging Certifications. All companies on this list have received guidance from Amazon and many have already worked with manufacturers to design, supply, and test Amazon Certified Packaging. The essential services these companies and labs provide are: Packaging **Testing**, Packaging **Supply**, and Packaging **Design**.

The APASS Network list is provided to you for your convenience only and no endorsements are implied. You are not obligated to use their services to have your product's packaging certified. If you elect to use their services, you will be contracting directly with that third party, who will be providing services to you at your direction. The list below is meant to help you quickly identify a lab or company that meets your needs. See the directory for company and lab contact information.

Please review the Amazon Packaging Guidelines for more information on Amazon's Frustration-Free Packaging Programs and the 3 Tiers of Certification: Tier 1 (Frustration Free Packaging), Tier 2 (Ships-In-Own-Container) and Tier 3 (Pre-Free Packaging).

Packaging Testing Labs

ISTA certified package testing labs can **test and certify** your products as Tier 1: FFP, Tier 2: SIOC or Tier 3: PFP without additional testing or documentation from Amazon. Simply contact these labs, arrange payment, and send the samples into the lab. If your product(s) pass the targeted certification, the lab will provide you an Amazon standard lab report to upload with Amazon for quick certification.

To achieve certification your products will be evaluated to: (1) meet all requirements for the corresponding standards listed in the Packaging Certification Guidelines; and (2) pass an International Safe Transit Association (ISTA) 6 Amazon SIOC test (Tier 1 or 2) or ISTA 6 Amazon Overbox (Tier 3) test with the appropriate ISTA certified equipment. All labs listed as a Packaging Testing Lab have the appropriate equipment and can test your products packaging against the standards and the appropriate ISTA 6 test.

Additional information on the process plus required submission forms can be found at www.aboutamazon.com/sustainability/packaging/testing -and- www.aboutamazon.com/sustainability/packaging/certification

APASS testing lab certifications have many advantages. For example, certifying externally provides you with reports and documentation that you can use with other retailers. You can certify using a global set of labs avoiding costly shipping and the hassle of shipping internationally. Finally, an APASS testing lab may be able to provide you with results in a timely fashion to support decision making in the packaging development process.

Packaging Suppliers and Designers

Certain companies and labs can provide services beyond testing. Companies or labs that are identified as a Packaging Supplier or Packaging Designer have specialized experience designing and supplying Amazon packaging solutions. Such services may include a simple pre-made corrugated solution for a single product or holistic advice on packaging designs for an entire line, brand, or portfolio of products attempting to achieve packaging certification. Beyond just reaching certification, using these services may result in significant cost savings, waste reduction, or improved customer experience for items fulfilled by Amazon. Please read more about the specialties of each company to ensure you choose the right company to meet your unique packaging needs.

Companies marked as a packaging supplier can provide solutions that may meet your packaging needs and help you achieve Amazon Packaging Certification. While there is little restriction on the type of packaging materials required to meet Tier 2: SIOC and Tier 3: PFP certification, please review the curbside recyclable requirement for Tier 1: FFP when sourcing materials. Further, please research each company's ability to provide primary and secondary packaging solutions in line with your needs.

	Testing Capability - ISTA 6-Ameron										Primary Packaging	Packaging Materials													Design Capabilities					Locations				
	Overbox	Type A	Type B	Type C	Type D	Type E	Type F	Type G	Type H	UN DOT (Hazmat)		Cold Chain (Insulated)	Corrugated	Cushioning	Envelopes/Mailers	Flexible Film	Foam	Food Safe Materials	Molded Pulp	Paper	Paperboard	Rigid Plastics	Shrink Films	Wood	3D Modeling/Printing	Brand Redesign	Digital Printing	Heavy Bulky Specialist	Packaging Development	Prototyping	NA	EU	AUS	ASIA
Company																																		
5 Star Packaging	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x				
Abbott-Action												x	x			x	x			x			x			x		x	x	x				
Adept Packaging	x	x	x	x	x	x	x	x	x	x										x				x				x						
Advanced Packaging Corp	x	x	x	x	x	x	x	x	x																									
Advanced Packaging Technology	x	x	x	x	x	x	x	x	x	x			x			x				x							x		x	x				
Aeris Protective Packaging Inc.												x	x	x	x	x	x		x	x			x		x	x	x	x						
Aidimme	x	x	x	x	x	x	x	x	x	x															x	x		x	x	x			x	
The Albéa Group											x						x					x			x	x		x	x	x	x	x		x
Alliance Packaging LLC											x	x	x			x	x								x	x		x	x	x	x			
Alpla		x									x										x							x	x					x
Amcor	x	x	x		x				x	x					x				x	x	x					x	x	x		x	x	x		
ANAMA Package & Container Testing Services, Inc.	x	x	x	x	x	x	x	x	x	x																								
Anecto Test Services DAC, a STERIS Company	x	x	x	x	x	x	x	x	x																									
Aptar											x						x					x			x	x			x	x				
Arka.com	x	x		x					x		x	x	x	x	x	x	x	x	x	x							x	x	x	x	x	x	x	
Atlantic Packaging Products Ltd.												x							x	x						x	x		x	x	x			
AVC Corporation												x	x				x									x	x	x	x	x				x
Baja Testing Lab	x	x	x	x	x	x	x	x	x	x																								
Berkley International, LLC												x	x	x			x	x			x	x	x	x	x		x	x	x	x	x			
Berlin Packaging											x	x	x	x			x	x			x	x	x	x	x	x	x	x	x	x	x			
Berry Global															x		x				x	x				x			x	x				
BFSV Hamburg Institute of Packaging GmbH	x	x	x	x	x	x	x	x	x																									
BillerdKorsnäs											x		x	x			x																	

APASS TESTING LIST CURRENT AS OF 3.03.2021

Company	Testing Capability - ISTA 6-Amazon										Primary Packaging	Packaging Materials													Design Capabilities					Locations				
	Overbox	Type A	Type B	Type C	Type D	Type E	Type F	Type G	Type H	UN DOT (Hazmat)		Cold Chain (Insulated)	Corrugated	Cushioning	Envelopes/Mailers	Flexible Film	Foam	Food Safe Materials	Molded Pulp	Paper	Paperboard	Rigid Plastics	Shrink Films	Wood	3D Modeling/Printing	Brand Redesign	Digital Printing	Heavy Bulky Specialist	Packaging Development	Prototyping	NA	EU	AUS	ASIA
Fuseneo	X	X	X																						X	X		X	X		X			
Gaynes Labs Inc.	X	X	X	X	X	X	X	X	X	X																					X			
Georgia Pacific	X	X	X	X	X	X	X	X		X			X														X	X	X		X			
gh Package & Product Testing and Consulting, Inc	X	X	X	X	X	X	X	X	X	X															X			X	X		X			
GiC Testing & Inspection Services	X	X	X	X	X	X	X	X	X	X																		X	X		X			
Graphic Packaging International											X		X		X		X		X	X					X	X	X		X	X	X	X	X	X
Green Bay Pkg	X	X	X	X	X	X	X	X	X			X						X										X			X			
Great Northern/Laminations	X	X	X	X	X	X	X	X	X			X	X	X		X		X	X	X			X		X	X	X	X	X	X	X			
Grifal SpA	X	X	X	X	X	X	X	X	X				X	X	X		X	X	X	X	X		X				X	X	X	X			X	
H.B. Fuller																															X	X		X
Heritage Paper												X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X		
Hinojosa	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X			X	X	X		X	X		X		
Hood Container Corporation											X		X	X		X	X	X			X		X		X	X	X	X	X	X	X			
Houston Foam Plastics	X	X	X		X							X	X	X	X	X		X	X	X	X	X	X				X		X	X	X			
HQTS	X	X	X	X	X	X	X	X	X																									X
IBE-BVI (Belgian Packaging Institute)	X	X	X	X	X	X	X	X	X	X															X			X			X			
International Paper	X	X	X	X	X	X	X	X	X				X															X	X		X	X		
Intertape Polymer Group Inc.												X		X	X	X	X		X				X			X			X		X	X		X
Intertek	X	X	X	X	X	X	X	X	X																				X	X		X	X	X
IPS Technology	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		
ITENE- Technology and Transport of Spain	X	X	X	X	X	X	X	X	X	X																	X		X	X		X		
Jabil											X						X				X				X	X			X	X		X		
Kaleidoscope																										X	X		X	X		X		
Kelly Box & Packaging Corp.	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X		X		
Keystone Compliance	X	X	X	X	X	X	X	X	X																	X	X	X	X	X		X		
Klingele												X	X	X			X		X	X					X		X	X	X			X		
Landsberg Orora	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L&E International LTD	X	X											X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X
Lumi											X	X	X	X	X	X		X	X	X	X	X				X	X	X	X	X	X	X	X	X
Marks, an sgsc company																									X	X	X		X	X		X		
Menasha Packaging Co LLC	X	X	X	X	X	X	X	X	X		X						X		X	X	X	X	X	X	X	X	X	X	X	X	X			
Metaphase Design Group												X			X						X	X			X	X	X		X	X		X	X	X
Mintel																																		
Mitchel-Lincoln Packaging Ltd.										X			X								X					X	X	X	X		X			
Modern Testing Services Packaging Performance Lab	X	X	X	X	X	X	X	X	X																X							X		X
Mold-Rite Plastics											X											X							X	X				X
More From Less	X	X	X	X																						X	X		X	X				X
Nefab	X	X	X	X	X	X	X	X	X		X		X	X	X		X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
Netrush											X	X	X	X						X	X					X	X		X	X		X		
Onyx Packaging	X	X	X										X								X					X	X	X	X	X		X		
Pacific Container Corp												X	X	X		X	X		X	X					X	X		X	X	X		X		
Pacific Southwest Container	X	X	X	X	X	X	X	X			X		X			X	X			X								X	X	X		X		
Package Testing + Innovation	X	X	X	X	X	X	X	X	X	X																						X		
Packaging Corporation of America	X	X	X	X	X	X	X	X	X				X														X	X	X				X	
PACKZ BV																									X	X						X		

LIST CURRENT A

Company	Testing Capability - ISTA 6-Amazon									Primary Packaging	Packaging Materials												Design Capabilities					Locations							
	UN DOT (Hazmat)	Type H	Type G	Type F	Type E	Type D	Type C	Type B	Type A		Overbox	Cold Chain (Insulated)	Corrugated	Cushioning	Envelopes/Mailers	Flexible Film	Foam	Food Safe Materials	Molded Pulp	Paper	Paperboard	Rigid Plastics	Shrink Films	Wood	3D Modeling/Printing	Brand Redesign	Digital Printing	Heavy Bulky Specialist	Packaging Development	Prototyping	NA	AUS	EU	ASIA	
PAConsult GmbH		X	X	X	X	X	X	X	X	X		X	X	X	X				X						X	X					X				
Pixel and Timber																								X	X						X				
Pratt Industries		X	X	X	X	X	X	X	X	X		X	X	X	X	X			X						X	X	X	X	X	X			X		
Pregis		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X				X	X	X	X	X				
Premier Packaging																		X	X	X			X				X	X	X					X	
Printpack															X												X	X	X		X				
Product Ventures																								X	X	X	X	X	X		X	X			
Punkbox																									X	X	X	X	X		X	X			
Purple Diamond	X	X	X	X	X	X	X	X	X	X	X															X		X	X	X		X			
Rand-Whitney	X	X	X	X	X	X	X	X	X	X			X	X				X			X						X	X	X	X		X			
Ranpak	X	X										X		X					X									X	X		X				
Rainbow Smart Industrial LTD.			X	X	X	X	X	X			X		X			X		X	X	X			X		X	X	X		X	X					
Rieke	X	X																							X	X	X	X	X		X			X	
RISE Packaging Science Centre, Sweden	X	X	X	X	X	X	X	X	X	X																	X	X				X			
RKS Design																									X	X	X		X	X		X	X		X
Rocky Mountain Testing Solutions	X	X	X	X	X	X	X	X	X	X																					X				
Saica	X	X	X	X	X	X	X	X				X			X		X		X						X	X	X	X	X			X			
Schumacher Packaging GmbH	X	X	X	X	X	X	X	X	X	X			X							X	X					X		X	X		X				
Sealed Air	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X				X		X		X	X	X	X	X	X	X	X	
Selig Group											X				X		X														X	X			
SGS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							X	X	X	X	
Silgan Dispensing																																			
Smithers	X	X	X	X	X	X	X	X	X	X							X					X			X	X		X	X		X	X	X		
Smurfit Kappa	X	X	X	X	X	X	X			X	X	X			X		X	X	X	X						X	X		X	X		X	X		
Sonoco Protective Solutions	X	X	X	X	X	X	X	X	X	X	X	X	X			X		X	X	X	X			X			X	X	X		X				
Southeast Testing	X	X	X	X	X	X	X	X	X	X	X																				X				
Southern Carton Company												X	X	X		X	X			X			X		X		X	X	X		X				
Spark Packaging Lab	X	X	X	X	X	X			X	X	X	X	X	X	X				X	X			X			X		X	X		X				
Spring Design Partners																									X	X	X		X	X		X			
TC Transcontinental											X				X		X								X			X	X		X	X			
Tektronix Testing Services	X	X	X	X	X	X	X	X	X																						X	X		X	
TEN-E Packaging Services, Inc	X	X	X	X	X	X	X	X	X	X																					X			X	
The Specialty Lab	X	X	X	X	X	X	X	X	X																						X				
Topa Institue	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X			X	X		X	X	X	X		X				
TÜV Rheinland	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X										X	
TUV SUD PSB	X	X	X	X	X	X	X	X	X	X																								X	
UFP Packaging, LLC - LX Center	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X		X				
Unicorr Packaging Group	X	X	X	X	X	X	X	X	X		X	X				X		X	X	X			X			X	X	X	X		X				
UPS Package Design & Test Lab	X	X	X	X				X	X																		X				X				
UL	X	X	X	X	X	X	X	X	X																						X	X		X	
Veritiv Corp	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X		X			X	
Virginia Tech	X	X	X	X	X	X	X	X	X		X	X															X	X	X		X				
Voion Printing International, Ltd.												X	X	X	X	X		X	X	X	X	X			X	X	X	X	X		X			X	
VPK Packaging Group										X	X	X					X		X	X				X		X	X	X	X		X			X	
WCP Solutions											X	X	X	X	X	X	X	X	X	X			X		X	X	X	X	X		X				
Weener Plastics											X						X								X	X		X	X		X	X		X	
WestRock	X	X	X	X	X	X	X	X	X			X	X					X	X	X						X	X	X	X	X		X	X	X	
Westpak, Inc	X	X	X	X	X	X	X	X	X	X																					X				
YFY Jupiter Ltd.											X		X			X		X	X	X	X				X	X		X	X					X	
York Container Company												X					X														X				

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Directory

Below is a directory of APASS members. The written descriptions are short quotes about the abilities of the members written by the members themselves. The quotes do not represent opinions or endorsements by Amazon.

5 Star packaging is one of the largest distributors of custom corrugated, chipboard, and flexible packaging in Southern California. We produce custom packaging that complies with all three of Amazon's packaging tiers (i.e. FFP, SOIC, PFP), and offer competitive pricing on both recyclable and compostable packaging materials. Our additional fulfillment, warehousing, and design services allow us to be a one-stop shop for companies looking to successfully launch products into any marketplace, from Ecommerce to brick and mortar retail. We have also partnered with 3rd party packaging testing labs to ensure that our packaging designs comply with the rigorous ISTA, ISO, and ASTM standards. Packaging that conforms to these standards is essential for all vendors/sellers who plan on conducting business via Amazon. Please feel free to contact us anytime, and let us help guide you through this process. Also, feel free to review our website, and see what our current customers are saying about us on Google. Thank you for your time and consideration.

www.5starpackaging.com

Location	Contact Name	Email	Phone
US – CA Anaheim	Colby Tibbets	sales@5starpackaging.com	714-221-0730

Abbott-Action, Inc. is the leader in ecommerce, retail, POP & POS packaging and display manufacturing in the northeast United States. Our 75" X 120" single pass digital printing technology or state-of-the art 7 color 2-sided print and inline die-cutting for ecommerce provides are clients with several print excellence options. With over 80 years of industry experience, a full-service design and structure department complete with prototyping capabilities and ISTA certified testing equipment. We are able to help meet all of your Amazon Prep-Free Packaging (PFP), Ships-in-Own Container (SIOC), Frustration Free Packaging (FFP) and Over Box (OB) packaging needs.

Location	Contact Name	Email	Phone
US - MA, RI, CT, NH, VT, ME, & NY	Chuck Slingerland	info@abbottaction.com	1(800) 334-8030

www.abbottaction.com

Adept Packaging (NA Testing, Designer) – Adept Packaging is a one-stop solution for Amazon packaging compliance. Working side-by-side with some of the major e-commerce retailers, we've designed packaging for the most complex, custom supply chains.

Adept Packaging provides the full range of APASS services directly to vendors, sellers and manufacturers. With over 100 packaging engineers, including ISTA and ASTM committee members, and an extensive supplier network, our knowledge of material sourcing, packaging formats, packaging engineering, design and testing ensures an expedited approach to compliance. With our agile approach to package testing and redesign, our global team is positioned to get your packaging certified quickly.

Location	Contact Name	Email	Phone
US	Jared Spencer	inquiry@adeptpackaging.com	1.610.360.8459

<https://adeptpackaging.com/capabilities/#apass>

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Advance Packaging Corporation is an independently-owned, full service corrugated manufacturer, providing high-end graphic packaging, shipping cartons, displays and ISTA testing, located under one roof at our 500,000 square foot facility in Grand Rapids, Michigan. Advance has its own corrugator on-site, a quality driven & dedicated team of professional packaging engineers & customer service reps, and a highly knowledgeable sales team that can help to safely and efficiently get your product from point A to B. "You always know what you're getting in Advance."

Location	Contact Name	Email	Phone
US-Michigan	Kurt Buche	testing@advancepkg.com	616.949.8044

<https://www.advancepkg.com/ista-packaging-tests/>

Advanced Packaging Technology Laboratories (NA Testing) Advanced Packaging Technology Laboratories offers complete testing and certification of your packaging products. APTL conducts ISTA 6-Amazon.com SIOC, FFP & PFP testing. As an independent entity separate from packaging supplies, we offer an unbiased opinion. APTL is a certified UN/DOT third-party testing agency for testing and certification of non-bulk and bulk hazardous materials packaging. Material testing is available to determine the structural integrity of the package and how those materials could affect the package during handling and shipping."

Location	Contact Name	Email	Phone
US-Illinois	Anthony White	info@advanced-labs.com	1 (847) 520-4343

<http://www.advanced-labs.com/services/ista-astm-package-testing/>

AERIS Protective Packaging designs and manufactures eco-friendly, recyclable and cost-effective corrugated & inflatable air-chamber packaging solutions. They are custom designed to protect consumer electronics, musical instruments, laptops, TV's, smartphones or small appliances. Aeris' proprietary air-chamber designs ensure your products reach their destination intact. Aeris' 'best in class' designs for electronics have all passed independent ISTA drop, compression and vibration testing, insuring optimal protection. The e-commerce shipping channel is a rough one, Aeris makes your packages feel like they are flying 1st class.

Aeris protects some of the world's most famous brands. Contact us today for as consultation. info@aerispackaging.com
Tel: 888-682-8951

Location	Contact name	Email	Phone
Canada-USA-Mexico	Michael Leiberman	michaell@aerispackaging.com	514-360-3421 x300
Canada-USA-Mexico	Mark Wineck	markW@aerispackaging.com	514-360-3421 x304
Canada-USA-Mexico	Dara Valai	daraV@aerispackaging.com	514-360-3421 x310
Canada-USA-Mexico	Jeff Sazant	jeffS@aerispackaging.com	514-360-3421 x302

AIDIMME is a Technology Center located in Spain with more than 25 year of experience in packaging testing and certification. As ISTA Certified Laboratory we can provide Tier 1 (FFP), Tier 2 (SIOC) and Tier 3 (FPF) certification according to both ISTA 6 –AMAZON.COM-SIOC and ISTA 6 –AMAZON.com- Over boxing procedures. We are also experts in fiber-based packaging materials (including food-contact assessment), transport simulation and packaging for dangerous goods helping companies to optimize and design their packaging applying our own method of "Packaging Re-Engineering" and training. We actively participate in national and international standardization committees as well.

Location	Contact name	e-mail	Phone
UE-Spain	Francisco Sánchez	fsanchez@aidimme.es	+34961366070
UE-Spain	Eva Martinez	emartinez@aidimme.es	+34961366070

www.aidimme.es

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Alliance Packaging, LLC (NA Designer and Manufacturer) is the Pacific Northwest's largest independent packaging company. Founded over 50 years ago, Alliance focuses on design-intensive projects, short lead times, high quality, and the ability to ramp up quickly from [prototyping](#) to full production. With three locations in the Northwest (Seattle, Portland, and Spokane), Alliance has the most sophisticated equipment base of any packaging company in the region, including a 112" corrugator, a single face laminator, a high-speed digital printer, 6-color flexographic printers, five flexo folder gluers, platen diecutters and specialty folder gluers.

Location	Contact Name	Email	Phone
Seattle, WA	Matt Bowman	mbowman@alliancepackaging.net	(425) 291 3545
Spokane, WA	Craig MacDonald	cmacdonald@spokanepackaging.com	(509) 921 8647
Portland, OR	Jon Bean	jbean@alliancepackaging.net	(503) 641 9220

Alpla (Global Supplier) Alpla of Atlanta is a product development technical center that develops bottles, closures for the US market. Alpla is also a global company in 40 countries with 170+ plants in manufacturing of bottles and caps for major customers P&G, L'Oreal, Unilever, Henkel. Alpla is in the process to setting up an ISTA 6 a lab in McDonough, we have purchased all the equipment necessary and are in the process of setting up the lab. Our corporate Technical center has capability of ISTA 6a testing and is ready now

Location	Contact Name	Email	Phone
EU – Austria	Florian Kilga	Florian.kilga@alpla.com	
US – Atlanta	Monis Bangi	monis.bangi@alpla.com	

<https://www.alpla.com/en>

Amcor is a global leader in responsible packaging for food, beverage, pharmaceutical, medical, home- and personal-care, and other products. With over 250 sites across 40+ countries, Amcor offers brands differentiated packaging, services and processes that protect their products and the people who rely on them around the globe. Amcor has a network of Research Centres of Excellence, plus two ISTA-certified Ecommerce Labs (US & Europe). Its dedicated Ecommerce team includes experts in Marketing, R&D, Material Science and Packaging Technology. The Ecommerce Labs are equipped with prototyping, digital simulation and laboratory testing (i.e. spectroscopy, barrier testing, thermal analysis, rheology, surface analysis, microscopy, packaging integrity, mechanical testing, and more). The Ecommerce team works with brands to optimize their packaging for the challenges of ecommerce supply chains – from performing ISTA testing for packaging robustness to developing completely new packaging solutions. Partnering with Amcor means benefitting from:

- A collection of pre-tested Ecommerce-Ready packaging (ISTA-6A)
- Certified member of Amazon Packaging Support and Supplier Network (APASS)
- ISTA testing and digital simulation services
- Network of partners across the ecommerce ecosystem
- SMART, proprietary and proven traceability technology for packaging
- Global R&D capabilities

www.amcor.com/ecommerce

Location	Contact Name	Email	Phone
EU – Belgium	Kenneth Anciaux	af-emeaistalab@amcor.com	+32 92 408 722
US – Michigan	Raymond Behm	Raymond.behm@amcor.com	+1 734 428 4673

APASS TESTING LIST CURRENT AS OF 3.03.2021

ANAMA Package & Container Testing Services, Inc. (ANAMA), is a full-service, ISTA (Identification: ST2013) and UN/US DOT (Approval CA2013040016, Identification Code and Symbol: "+CM") certified third-party independent package testing laboratory specializing in a wide range of package and material analysis testing. With our experienced, high caliber staff with over 20 years of experience and state of the art to equipment, we can perform testing and development of packaging, containers and material property analysis in accordance with the ISTA Procedures (including ISTA Project 6-AMAZON.com, FFP, SIOC, PFP & OB), US DOT, UN, ICAO, IATA, IMDG, ASTM, TAPPI, ISO, etc. requirements.

Location	Contact Name	Email	Phone
US – CT	Anton Cotaj	info@anamapackagetesting.com	(203) 658 8490

www.anamapackagetesting.com

Anecto Test Services – Anecto Test Services DAC, a STERIS Company, is an independent, ISO 17025 accredited test laboratory. We have been ISTA certified since 2000 and offer the most comprehensive range of packaging testing services in Europe. Our experience in partnering with some of the largest global companies has positioned us as leaders in best practices for packaging testing and advisory services. We offer packaging concept reviews, environmental conditioning capabilities, full distribution simulation, and shelf life studies, all in conformance to recognized standards, including ISTA and ASTM.

Location	Contact Name	Email	Phone
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Web address: www.anecto-testservices.com

Aptar Group (Global Designer/Supplier)- Aptargroup is a global leader in the design and manufacture of dispensing systems serving the Beauty + Home, Food + Beverage and Pharma markets. With more than 50 locations in 18 countries, we are able to deliver a wide range of stock and custom solutions that meet our customers' needs and delight consumers. Our product technologies include: dispensing pumps, spray pumps, fragrance pumps, dispensing closures, aerosol valves, pressurized packaging accessories, custom dispensing solutions, airless dispensing systems.

Location	Category	Contact Name	Email	Phone
US – WI	Beauty & Home	Timothy Spiegelhoff	tim.spiegelhoff@aptar.com	+1 262-363-0254
ASIA- China	Pressurized Packaging	Weida Zhang	weida.zhang@aptar.com	+86 512 6260 2577
MEX	Aerosol Valves & Sprays	Marcelo Santarelli	marcelo.santarelli@aptar.com	+54 33 2745 2300
EU – Italy	Dispensing Pumps	Marco Zavarella	marco.zavarella@aptar.com	+39 085 4442 429
US-NC	Food	Rodolfo Haenni	rodolfo.haenni@aptar.com	+1 (828) 970-6353

<https://www.aptar.com/en-us>

Arka is a USA based packaging company that specializes in SIOC, FFP and PFP packaging. We can help with branded and unbranded boxes, poly bags, tape, tissue paper, foam insert substitutes and other packaging supplies. For unbranded, we're competitive with Uline. For branded we can design and fulfill orders as few as 10 boxes and as few as 350 for bags, branded! We take a tech first approach in optimizing your packaging for ecommerce and look forward to working with you at <https://www.arka.com/>

Location	Contact Name	Email
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International - USA	Teddy Dinsmore	Support@arka.com
International - General	Support Channel	Support@arka.com

APASS TESTING LIST CURRENT AS OF 3.03.2021

Atlantic Packaging Products Ltd: Established in 1945, Atlantic Packaging is a leading North American business offering customers a complete range of corrugated packaging solutions. From concept through design to manufacturing, Atlantic's consultative approach is focused on fully understanding packaging requirements and designing innovative solutions that often exceed expectations, while being on time and on budget. As a trusted supplier to some of the most well-known names in the CPG world, Atlantic specializes in performance-based packaging including brown box, multi-color shelf and display-ready, and e-commerce. Along with an in-house ISTA certified testing lab, Atlantic's specialized team of award winning designers are ready to design solutions to meet Amazon's certified packaging requirements.

Location	Contact Name	Email	Phone
Canada	APASS Team	testinglab@atlantic.ca	(800) 268-5620
Mid-Atlantic USA	APASS Team	contact@yorkcontainer.com	(717) 757-7611

www.atlantic.ca • www.yorkcontainer.com

AVC Corporation is a global packaging manufacturer, providing APASS services directly to vendors, sellers, and manufacturers related to package design and manufacturing. In this capacity, AVC partners with brands to design and certify packaging that meets Amazon's unique requirements and assists companies to protect and sell products more cost effectively while adhering to their environmental responsibilities. AVC's combined FFP/SIOC packaging is uniquely designed for each client. With operations in both California and China AVC provides the unique advantage of lower China components combined with our USA design, kitting and logistics operations.

Location	Contact Name	Email	Phone
NA – US	Guy Marom	Guy@avccorp.com	(310) 533-5811 Ext:112
ASIA - CHINA	Grace Xiao	Grace@avccorp.com	(+86) -13929685366

www.avccorp.com

Baja Testing Lab (Packaging Testing Solutions) is an ISTA certified third-party commercial packaging testing laboratory in Tijuana Mexico, with ISO, ASTM & TAPPI standards compliancy. Our services include: Shock, Vibration, Compression & Environmental Conditioning.

We also offer integrity tests designed specifically for the medical industry including: burst, seal strength, bubble leak, dye migration and visual inspection; to measure the seal strength and integrity of the sterile barrier systems of flexible packaging.

Location	Contact	Email	Phone
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www.bajatestinglab.com

Berkley International, LLC (Global, Packaging Design & Supplier)

At Berkley, we focus on the best customer packaging experience.

We Start by Listening to our customers to design, manufacture and assemble ecommerce packaging solutions.

We identify waste in the packaging stream to reduce operational costs, materials, and damages to succeed in ecommerce.

- Design, test and certify packaging to meet Amazon's FFP, SIOC and PFP initiatives
- Reduce packaging prep time and operational costs
- In-house kitting and fulfillment operations to support Prep-Free and unique SIOC verticals

We partner with our customers to re-think and elevate their packaging, reduce waste throughout the supply chain, and protect products from damage during shipment to customers.

Location	Contact	Email	Phone
US- CA	Michael Carrier	michael@goberkley.com	619-931-3003

www.goberkley.com

APASS TESTING LIST CURRENT AS OF 3.03.2021

Berlin Packaging Simply put, Berlin Packaging helps its customers make more money. As the only Hybrid Packaging Supplier® of plastic, glass, and metal containers and closures, we offer 40,000+ available SKUs, 100+ global sales and warehouse locations as well as a world-class, award-winning innovation and design studio that provides complete structural package design and branding services. We also boast an ongoing 14-year streak of 99% on-time delivery and are the only company in our sector to be ISO 9001 certified and Customs-Trade Partnership Against Terrorism (C-TPAT) certified. Put our income-boosting services to work for you and your bottom line.

Location	Contact Name	Email	Phone
US-Illinois	n/a	APASS@berlinpackaging.com	800-7-BERLIN (800-723-7546)

Website: BerlinPackaging.com

Berry Global (Global Packaging Supplier, Designer) Berry takes pride in the superior quality, depth, and breadth of our product offerings and custom design capabilities. The team at Berry is continuously developing methods to improve existing products and create new solutions. We design and manufacture an extensive portfolio of packaging products for the beauty, personal care, healthcare, home care, food, and beverage markets. Options include bottles, tubes, jars, closures, and containers, as well as flexible packaging and converted products, many of which are recyclable. Stock offerings include pre-tested packages which are e-commerce ready; custom solutions are also available.

Location	Contact Name	Email	Phone
US	Kristen Hobson	Kristenhobson@berryglobal.com	812-250-3603
US	Zachary Osip	Zacharyosip@berryglobal.com	812-250-3619

<https://www.berryglobal.com/>

BFSV Hamburg Institute of Packaging GmbH is an international service provider and consultant for testing and qualification of packaging systems. The focus is on distribution testing, packaging integrity and packaging materials testing. The laboratory is accredited according to ISO 17025, ISTA certified and recognized for dangerous goods packaging testing by the German Federal Institute for Materials Research and Testing.

Location	Contact Name	Email	Phone
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EU-Germany	Johanna Lipski	lipski@bfsv.de	+49/40/42875 6306

BillerudKorsnäs: We help the world's largest global brands gain packaging control and transparency throughout their complex manufacturing operations. BillerudKorsnäs Managed Packaging teams of experts in strategic locations around the world collaborate with customers to develop solutions focused on packaging engineering, design, testing, pre-press, sourcing, quality and implementation. Our clients get optimized packaging for higher freight density, improved packaging performance throughout the supply chain, reduction of product damage, and improved sustainability metrics. We deliver packaging to more than 2,800 OEM factories across Southeast Asia from a wide network of qualified providers.

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NA-OR	Vignesh Iyer	vignesh.iyer@billerudkorsnas.com	
EU-Sweden	Filip Roos	filip.roos@billerudkorsnas.com	
EU-Sweden	Maya Midebo	maja.midebo@billerudkorsnas.com	
ASIA-China	Ray Chen	ray.chen@billerudkorsnas.com	

<https://www.billerudkorsnas.com/managed-packaging/resource-center>

APASS TESTING LIST CURRENT AS OF 3.03.2021

Blue Box Partners EEIG: The Packaging Alliance (EU Designer and Supplier) – Blue Box Partners has combined 4 privately-owned companies specialised in the production of packaging in paper, cardboard and derivatives.

- Klingele Verwaltungsgesellschaft Werne mbH (registered in Germany HRB 17792)
- VPK Packaging Group N.V. (registered in Belgium BE 0.400.313.852)
- Blue Box Partner Iberia, S.L. (Hinojosa Group's holding) (registered in Spain ES B98648116)
- Cart-One srl. (registered in Italy REA PR-216809)

We create, develop and implement bespoke supply chain solutions to optimise your total cost of ownership (TCO) and environmental impact.

Our 12 pan-European hubs of experts (Designers and Process Engineers) work in close partnership within our organisations to identify and materialise innovative solutions which guarantee manufacturing excellence and support your business profitability.

Thanks to a right balance between global coordination and strong local footprint, we offer holistic advice to enhance our collaboration, especially by embracing the E-commerce challenges.

Location	Contact Name	Email	Phone
EU – Aalst (BE)	Daphné Deledicq	daphne.deledicq@vpkgroup.com	+33(0) 615 457 919

<https://www.blueboxpartners.eu/>

BoldtSmith Packaging Consultants (Packaging Optimization; Design and Consulting) What separates BoldtSmith Packaging Consultants from the competition?

- **Capabilities:** We complete all design and prototyping internally with our team of packaging experts at our headquarters in Milwaukee, Wisconsin. Our service gives our customer's an optimized packaging solution utilizing all possible packaging materials.
- **Power:** BoldtSmith does not sell, broker or manufacture packaging. Packaging specifications are always owned by our customers to have quoted from any packaging suppliers.
- **Expertise:** Our Packaging experience for E-Commerce has crossed all categories with products ranging from children's toys to shower doors.
- **Speed:** You are not hiring a single consultant; we have a team of consultants that complete projects to meet tight deadlines.

Location	Contact Name	Email	Phone
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www.boldtsmithpackaging.com

The BoxMaker: Experience the Power of Packaging: The BoxMaker is the Pacific Northwest leader in packaging innovation, providing integrated services and solutions that effectively solve our clients' business needs. Products and services include packaging design, custom corrugated boxes, digitally printed corrugated boxes and retail displays, custom labels, foam and protective packaging, fulfilment, and supplies. Our discovery process and consultative approach position us as the all-in-one packaging partner who can best serve clients focused on total cost of ownership.

Location	Contact Name	Email	Phone
US – WA, OR, ID, CA	Kristi Duvall	kristid@boxmaker.com	425-291-1236

<https://www.boxmaker.com> | info@boxmaker.com | 800.443.5431

APASS TESTING LIST CURRENT AS OF 3.03.2021

Bureau Veritas Consumer Products Services (Global Testing with USA, Europe & multiple Asian locations) – A leading provider of testing, inspection, and certification services with an extensive network of state-of-the-art laboratories for the consumer product and retail markets. Specializing in transit testing to help Amazon Vendors and Sellers understand Amazon's requirements and determine if their packaging meets Amazon criteria. BV has 8 strategically located laboratories certified to perform the ISTA 6-Amazon test procedures: Ships-in-own Container (SIOC), Frustration-Free Packaging (FFP) and Prep-Free Packaging (PFP) requirements. We strive to deliver quick turn-around-times on all packaging submissions, with competitive pricing and efficient technical support.

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CN – Shanghai	Yiwen Rao	Yiwen.rao@bureauveritas.com	+(86) 02124166888 Ext. 6786
Vietnam HCMC	Zoe Nguyen Elise Vo	Zoe.Nguyen@bureauveritas.com Elise.Vo@bureauveritas.com	+(84) 028 3742 1604 - Ext. 868 +(84) 028 3742 1604 - Ext. 394
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<https://www.cps.bureauveritas.com/newsroom/bureau-veritas-buffalos-ista-transit-testing-accreditation-renewed>

<https://www.cps.bureauveritas.com/needs/package-testing>

Carmel Frankel IND. is a leading packaging manufacturer in the field of corrugated board and duplex packaging.

- Products and services include packaging design, custom corrugated boxes, digitally printed corrugated boxes.
- We serve our clients in Food, Beverage, Beauty, Plastic industry & Pharma markets.
- We have a site approved for packaging production with direct contact with food.
- This site is also specialized in manufacturing POS products.

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<http://www.carmelfrenkel.com>

APASS TESTING LIST CURRENT AS OF 3.03.2021

Cart-One srl - (EU, Designer and Supplier) is a Joint-Venture between Antonio Sada & Figli Spa and Sandra SpA to cover every part of Italy. Our group works every day to provide the best quality and customers' satisfaction. We are driven by creating value and supporting mutual growth thanks to our innovation and sustainability strategies. This is much more than delivering the right packaging solution for each supply chain. This is our constant commitment to find the accurate concept for your current and future developments even in Europe thanks to our membership to "Blue Box Partners". Daily, we are aiming at exceeding your expectations for every distribution channel, especially the e-commerce one.

Location	Contact Name	Email	Phone
EU – Italy (IT)	Daniele PLAZZI	Daniele.Plazzi@scatsandra.com	+39 377 780 0443

<http://www.cart-one.com>

Calumet Carton Company (Global Design Consultant and Supplier) – Calumet Carton Company (CCC) is a leading manufacturer and innovator of paperboard based packaging and mailing solutions. We have a robust line of in-stock rigid paperboard mailers and folding cartons available at low minimums, and all of the manufacturing and design capabilities needed to produce branded custom packaging. Our team is well versed in the challenges e-commerce shippers face and take solution-based approaches to design packaging that reduces shipping costs, are sustainable and promote branding. We are an SQF and AIB certified facility, these quality standards are applied to all packaging produced. Our dedicated design team is ready to assist with **PFP, FFP, SIOC, and EOB**.

Location	Contact Name	Email	Phone
US- Illinois	Samantha Heiberger	samanthah@calumetcarton.com	(708) 271-1139

Website: <https://www.calumetcarton.com/>

CARTIER - In order to help our clients, achieve the best possible results, we are constantly developing attractive offers and programs to help you benefit from our expertise. CARTIER has a unique offer in Canada. Providing four, perfectly integrated and complementary areas of expertise: laboratory (Packaging development and testing), equipment, technical and products. This innovative business model covers all crucial aspects of the optimization process and enables CARTIER to deliver added value in everything we do. The resulting packaging optimization helps our clients improve their productivity, profitability and competitiveness in both the short- and long-term. www.emballagecartier.com

Location	Contact Name	Email	Phone
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APASS TESTING LIST CURRENT AS OF 3.03.2021

CASCADES Founded in 1964, Cascades offers sustainable, innovative and value-added packaging, hygiene and recovery solutions. The company employs 11,000 women and men across a network of over 90 facilities in North America and Europe. The products manufactured are made of 82% recycled fibers overall. Each business unit holds an FSC® certification¹, proving that Cascades takes sustainable development to heart.

Cascades' expert team of over 60 structural designers and packaging engineers provides full structural design and prototyping expertise. Our services are tailored to meet and exceed the e-commerce packaging and supply chain requirements of our customers.

Cascades R&D Center has implemented an internal quality system based on ISTA, TAPPI and ASTM directives that allows us to offer constant service quality. We are able to conduct baseline testing on boxes and components (liners and mediums), as well as competitive analysis, root cause analysis and qualification testing of individual packages or pallets. We provide ISTA 6-Amazon.com testing to help customers' meet Amazon's packaging requirements (Frustration Free Packaging (FFP), Ships in Own Container (SIOC), Over Box (OB) and Amazon Prep-Free Packaging (PFP). With half a century of experience in recycling and continuous efforts in research and development as driving forces, Cascades continues to deliver the innovative products that customers have come to rely on.

Location	Contact Name	Email	phone
CA-Quebec	Remi St-Arneault	rstarneault@cascades.com	1-819-363-5700 ext 55753

Chainalytics - Packaging Optimization (NA, Package Engineering, Design and Consulting)

- Packaging design/engineers of primary and transport packaging solutions that PASS testing criteria
- Specialized in testing certification for High Value, Oversized and Fragile Products
- Detailed management of turn-key ISTA testing protocols for our clients at various APASS certified lab locations
- Fully-equipped, state-of-the-art packaging development center (7,500 sq. ft.): including advanced engineering software, prototyping technology, and infinite packaging material options ensuring maximum protection
- Our non-vendor approach allows us to remain unbiased in our innovative designs while granting clients ownership of the optimized package solution
- We possess 17+ years of experience providing package engineering services to Fortune 1000 brands for products ranging in size from board-level electronics to sports vehicles & small aircrafts

Location	Contact Name	Email	phone
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<https://www.chainalytics.com/packaging>

The Clemson University Package Dynamics Lab (CUPDL) has a three-fold mission: educate future packaging professionals, advance the science of protective packaging through applied and fundamental research, and serve industry by performing package development and distribution environment simulation tests. For over 20 years, the CUPDL has served over 300 companies on research and testing projects. To assure quality and accuracy our shock, vibration, compression, and environmental conditioning equipment as well as our technicians are certified by the International Safe Transit Association. Our high level of service and professionalism are evidenced by our long-term relationships with many industry partners. Visit <https://www.clemson.edu/cafls/sonoco-lab/index.html> for more information or to request a quote.

Location	Contact Name	Email	Phone
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US	Greg Batt	gbatt@clemson.edu	864-723-0740

APASS TESTING LIST CURRENT AS OF 3.03.2021

Compadre Labs (NA Testing) - Specializes in testing LTL/Heavy Bulky items and can provide root cause of failure on many heavy bulky tested items.

Location	Contact Name	Email	Phone
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<http://www.compadrelabs.com/>

Coastal Container - Our purpose is to protect our customer's product and reputation from their shipping dock to its ultimate destination. To that end we are a locally owned, full-service supplier of packaging solutions. We have unique abilities to support both short lead time local challenges as well as complicated opportunities requiring a national distribution. We are headquartered in Holland, Michigan and have supply and manufacturing partnerships throughout the United States. We are prepared to support a client's needs with design expertise, rapid prototype, product development, ISTA test lab, as well as a full suite of manufacturing competencies. We partner with paper suppliers to ensure the lowest possible cost without any compromise on our promise. We offer corrugated solutions, plastic corrugated, kits, foam, honeycomb, and pack supplies. We are ISO 9001, ISTA, and SFI II certified - ISO 9001:2015 / ISTA ST-9448 / SFI-01293

LOCATION	CONTACT NAME	EMAIL	PHONE
US-Michigan	Nate Hoekstra	nateh@coastal-container.com	(616) 355 9800
US-Michigan	Brian Miller (ISTA CPLP)	brianm@coastal-container.com	(616) 355 9800

Crownhill Packaging is a North American full service custom packaging provider with full packaging testing, design and comprehensive supply services. We have over 30 years of experience creating quality protective packaging solutions that help reduce cost while keeping products safe. Our team can ensure the effectiveness of packaging solutions in its ISTA certified lab to provide the necessary testing for FFP, SIOC and PFP certifications. Through quality, tested packaging solutions as well as having a wide variety of packaging materials at its disposal, Crownhill is in a position to be a trusted supply chain partner for all packaging needs.

Location	Contact Name	Email	Phone
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US – IL	Jason Reibel	apass@crownhillpackaging.com	847-688-9700

<https://www.crownhillpackaging.com>

DanHil Containers (Designer & Supplier) is one of the largest independent corrugated converters supporting the Texas and northern Mexico marketplace. With over 34 years of experience, DanHil Containers proudly provides packaging products and services to customers from our six ISO 9001:2015 Certified manufacturing locations. Each location includes a qualified design team capable of in-house structural design services, same day product sampling, and cost-effective packaging solutions tailored to fit your needs.

Our experienced sales team has the technical expertise to understand your requirements and coordinate the most effective packaging solution. Whether it be new product development, packaging improvement, or ongoing cost reduction efforts, DanHil's team of dedicated professionals will work side-by-side with you to provide the best solution.

Location	Contact Name	Email	Phone
NA-Texas	John Rogalski	info@danhilcontainers.com	+1 (254) 773-0704
Mexico	Abel Lopez	info@danhilcontainers.com	+52 (81) 8386-2034

<http://www.danhilcontainers.com/>

APASS TESTING LIST CURRENT AS OF 3.03.2021

DDL is an ISO 17025 accredited and ISTA certified, full-service package testing lab. DDL addresses quick turnarounds with equipment and chamber capacities unmatched by other labs. DDL offers accelerated aging, distribution simulation, package strength, integrity, physical shock, thermal shock, vibration, compression, unitized load testing, leakage and other package testing services. To complement its packaging testing, DDL also offers testing services to evaluate the materials that make up the package itself. In addition, DDL assists companies in a variety of industries by testing a product's performance and safety. DDL's team of engineers, technical and quality experts is devoted to helping customers worldwide succeed by taking an independent, involved and informed approach. We perform all of our testing services with integrity, professionalism and a commitment to meeting our customers' deadlines. Visit www.DDLtesting.com for more information.

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US – CA	Robert Hoody	Robert.hoody@testedandproven.com	714.954.2718
US - NJ	Peter Johnson	Peter.johnson@ddltesting.com	952-283-2020

www.DDLtesting.com

Deles group (Global Designer & Supplier) Since the 1950s, we have converted the needs of industry into packaging services and systems. We have become a large group, aware of the strategic importance of our role and our responsibility.

Starting from the product's characteristics and the customer's needs, our packaging engineers design, prototype and develop customized packaging solutions in terms of environmental impact, costs and protection.

Our in-house Lab is focused on research and development activities. Deles Lab is certified by ISTA and equipped with the latest-generation instrument and can supply samples and production pre-series items very quickly.

We created the ONE-SOURCE MODEL, which means we can meet all product care needs throughout the product's life cycle in a single supply, thanks to our experience and knowledge in packaging design, production, end-of-line automation, logistic service.

We are present in Europe and in US market, thanks to a partnership with an American company.

Location	Contact Name	Email	Phone
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EU - PL	Dariusz Michalski	dariusz.michalski@delesgroup.com	+48 422809290

DS Smith (EU Testing, Designer, & Supplier) - With over 600 designers and technical engineers strategically located throughout 36 countries, DS Smith provide a complete one stop solution for design, packaging supply, testing and certification with the benefit of local contacts. Our UKAS & ISTA accredited laboratory is able to carry out a full range of transit, packaging, paper and board testing under controlled Laboratory conditions of 23°C, 50% RH. The Laboratory can undertake testing on many packaging materials and not only specializes in corrugated packaging and UN dangerous goods, but is also able to offer UN dangerous goods advice and is certified to perform full UN combination package testing. After testing of the packaging and auditing environmental circumstances our specialists can offer a customized advice on improvements that could be implemented to ensure packaging excellence during any supply chain. Utilizing 25 years manufacturing experience of home delivery and e-commerce packaging supply, along with a dedicated e-commerce team, DS Smith is the perfect partner to support all of your amazon.com packaging, testing and design requirements.

Location	Contact Name	Email	Phone
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<http://www.dssmith.com/>

APASS TESTING LIST CURRENT AS OF 3.03.2021

Element Materials Technology (USA Testing) – We are a global testing provider with ISTA certified locations in Colorado, Oregon, Minnesota and Ontario. Element can test packaging for PFP, SIOC and FFP for certification. We strive to work with our customers to become a trusted testing partner. We consult with you from the initial request to assure you are testing your product to the correct specification and type as well as supporting the submittal of the approval process to Amazon for certification.

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US – CO.	Marie Oster	Marie.oster@element.com	303-746-3504

www.element.com

Elite Electronic Engineering, Inc. (NA, Testing Services, Certification) – Elite is an ISTA Certified Testing Laboratory for ISTA 6-Amazon Over-Boxing and Ships In Own Container (SIOC), ISTA 1, ISTA 3, and ISTA 7 protocols. We are an independent, ISO 17025 accredited lab providing development, performance, and simulation testing for packaged products to ensure they are delivered intact and ready for use in any distribution environment. ISTA, ASTM, and ISO package testing helps our customers reduce cost on shipping, insurance, and product replacement.

Since 1954, Elite has been a recognized leader in Electromagnetic Compatibility (EMC) Testing, Environmental Stress Testing, and related product development services. Conveniently located near Chicago, we serve the consumer electronics, automotive, aerospace, and telecommunications industries. When you choose Elite, you can qualify your products and their packaging in one location.

<i>Location</i>	<i>Contact Name</i>	<i>Email</i>	<i>Phone</i>
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<https://www.elitetest.com/>

EPE USA is A Total Packaging Solutions Company and the industry's leader in providing global JIT packaging design and manufacturing support to Fortune 500 companies worldwide. With more than 70 manufacturing locations and design centers located around the world, EPE can provide real time packaging solutions and services for every product requirements. EPE is committed to providing sustainable and innovative packaging solutions to our customers at the lowest possible cost and least environment impact.

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US-CA	Trang Chau	Trangchau@epeusa.com	800-315-0336 ext: 54

APASS TESTING LIST CURRENT AS OF 3.03.2021

Fisher Packaging is a consultancy who first started working in eCommerce in 2000. The primary focus of Fisher Packaging is to guide companies to improve their customer experience and the performance of their packaged products throughout an eCommerce distribution environment. Small to large products, Fisher Packaging is available for the design, engineering, & testing of your products to ensure ISTA-6 compliance as well as cost efficiency. Testing services are conducted at partner labs, approved for ISTA-6 A through H. For more information, contact Suzanne Fisher at suzanne@fisherpackaging.com

Location	Contact Name	Email	Phone
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Foxconn Baja California is an ISTA Certified Testing Laboratory located in Tijuana Baja California, Mexico we offer Shock, Vibration, Compression and Environmental Conditioning test, to following ISTA protocols, as well as customize vibration profile to follow customer requirement. Also we count with a packaging develop group that can offer customized packaging solutions that include Fully Design and Development of Packaging Systems.

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Mexico-Tijuana	Saul Pineda	saul.pineda@foxconn.com	+52 (664) 6277267

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Fraunhofer Institute for Material Flow and Logistics IML-The Laboratory for Packaging Testing /Research and Development at the Fraunhofer Institute for Material Flow and Logistics in Dortmund was founded in 1986 and has been an independent testing institution ever since. A qualified team provides neutral and competent test result evaluation and documentation for customers from the food and consumer goods sectors, the automotive industry as well as for packaging-/ systems manufacturers based on the knowledge and experience of more than 1,500 projects. The focus is on testing secondary and transport packaging, unit loads, load carriers and pallets as well as insulating-packaging-systems. The topic of load securing in the truck cargo hold or container is included if appropriate. In the Laboratory static, dynamic and climatic stresses can be applied to a wide variety of packaging systems on the basis of standardised test methods. Qualified knowledge of the relevant standards of the associations DIN, EN, ISO, ASTM and ISTA (ISTA Project 6-AMAZON.com, FFP, SIOC, PFP and OB) are the basis of every scientifically accompanied testing task. Modern hydraulically driven vertical vibration testing systems are used to simulate vibrations during transports by truck, railroad waggon or freight aircraft. A total of four climatic chambers enable pre-climate-conditioning of test samples as well as measurements to determine the performance of insulating-packaging-systems. By using the horizontal test system HITS stress on trucks and railroad trains during braking and cornering can be simulated realistically and precisely. A 200 kN four-column test system is used to determine the compressive / stacking strength of packaging, unit loads and complex packaging systems. Drop hooks, precision drop table and vertical shock tester complete the testing equipment.

<http://www.iml.fraunhofer.de>

https://www.iml.fraunhofer.de/de/abteilungen/b1/verpackungs_und_handelslogistik/dienstleistungen/verpackung13.html

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APASS TESTING LIST CURRENT AS OF 3.03.2021

Fugang Industrial Testing Services(Suzhou) Co., Ltd. (Abbreviation:FTS) FTS is a professional third-party packaging testing laboratory certified by ISO 17025, ISTA and CMA. FTS was founded by a group of engineers who are obsessed with packaging testing. It has provided professional packaging testing services and packaging improvement suggestions for many enterprises. We are very proud of this!

FTS can provide you with professional Amazon-SIOC and Amazon-Over-Boxing tests. We also have rich experience in ASTM D4169 and other ISTA testing. You can contact us whenever you have any testing problems in packaging. FTS packaging lab is now fully open to the public. If you want to know more about the keys to packaging testing, feel free to contact us. Our lab is looking forward to your visit !

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Fuseneo (USA Designer & Consultant) - Fuseneo is a creative agency with extensive technical experience in developing manufacturable products and structural packaging solutions across a wide range of formats and a deep level of e-commerce experience. We support design and testing with diverse capabilities in prototyping and fabricate. We create solutions that are vendor-agnostic, which means that designs are customer-owned and allows a brand to competitively quote with several manufacturers. Our creative abilities allow us to look at both the product and the packaging to solve e-commerce challenges.

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<http://www.fuseneo.com/>

Gaynes Labs Inc. is an independent laboratory located right outside Chicago, Illinois. Gaynes Labs provides prompt, comprehensive service to companies ranging from small start-up firms to the Fortune 500 giants. In addition to having over 30 years of experience in ISTA testing, our lab technicians are ISTA certified to technologist level. This allows us to provide the customer with the confidence and reliability for package testing. Gaynes Labs is capable of testing packaged-product test types A-H for ISTA Project 6-Amazon.com-SIOC, as well as FFP, PFP, and OB.

Location	Contact Name	Email	Phone
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Georgia-Pacific & Georgia-Pacific's Innovation Institute® (USA Testing, Designer & Supplier) – Georgia-Pacific is one of the nation's leading corrugated box manufacturers. We manufacture standard corrugated containers, as well as specialty packaging products for many industries including specific packaging for the eCommerce supply chain.

Our ISTA-certified, TAPPI test conditioned labs are designed to evaluate the effectiveness of your packaging and can test and certify to FFP tier 1 and SIOC tier 2 standards. With a consultative approach our skilled technicians and designers are committed to designing optimum solutions by performing the correct testing, analyzing the data and validating the design. You can find our ISTA-6 Amazon.com Test Request Form at www.gppackaging.com/amazon or you can contact our team.

Location	Contact Name	Email	Phone
US – Atlanta	Jim Whidden	JFWHIDDE@GAPAC.com	1 (770) 246-1411

<https://www.gp.com/product-overview/gp-packaging>

<http://www.gppackaging.com/InnovationInstitute/Pages/default.aspx>

APASS TESTING LIST CURRENT AS OF 3.03.2021

gh Package & Product Testing and Consulting, Inc (Cincinnati, OH and Phoenix, AZ) – gh Testing offers a full service package and product testing located in the Cincinnati, Ohio area. We identify and solve your packaging problems as a result of shipping failures. Our expertise is to vibrate, squeeze, crush, expose, drop, pull and do whatever it takes to assure your products arrive safely to their destination. We offer professional troubleshooting and testing in an expedient manner. Our lab utilizes industry accepted testing methods and industry proven equipment to solve your packaging problems. If you manufacture, assemble, produce and ship a product that can be damaged in route to its destination, please contact us. You will surely benefit from our dynamic testing services and save time, money and product damage. We are ISO 17025 accredited, US DOT approved, and ISTA certified, as well as we can test to ASTM and TAPPI.

Location	Contact Name	Email	Phone
US – Cincinnati, OH	Curt Orr	corr@ghtesting.com	513-473-6496
US – Phoenix, AZ	Michael Greer	mgreer@ghtestingaz.com	623-869-8008

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GiC Testing & Inspection Services is a global third party service provider with more than 23 years experiences in certification service. We continue expanding our testing and inspection capabilities for consumer products and packaging materials. Our packaging lab in Malaysia is certified by ISTA and has extensive capabilities in full series of Transit Packaging Test including ISTA 6- Amazon.com SIOC and ISTA 6-Amazon.com Over-boxing. We add value to you by providing the effective technical advisory and packaging solutions to meet your business needs and market requirements.

Location	Contact	Email Address	Phone
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Graphic Packaging International (Global, Design and Supplier) Rely upon Graphic Packaging International's (GPI) team of e-commerce specialists to increase your speed to market with FFP, SIOC and PFP solutions. With approximately 2,000 patents, GPI is a world leader in packaging innovation that creates right-sized paper-based solutions to simultaneously reduce shipped air and minimize damage – all while keeping your current supply chain in mind. Count on GPI to:

- Engineer a sustainable approach to light-weighting materials that will protect your products
- Preserve the authenticity of your product and brand story with beautifully printed packaging
- Elevate the consumer experience through recyclability, brand enhancement, and convenience features
- Provide a vertically integrated, global network of facilities in North America, Australia, New Zealand, Asia, and Europe
- Offer complete systems solutions with GPI machinery engineering and packaging for unparalleled automation

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US-GA	Matt Kearns	Matthew.kearns@graphicpkg.com	770-240-5117

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APASS TESTING LIST CURRENT AS OF 3.03.2021

Green Bay Packaging (USA Testing, Designer, Supplier). Green Bay Packaging is an integrated packaging company offering innovative corrugated and folding carton packaging solutions. GBP's focus on superior quality, service and sustainability, positions us as a partner to support customer needs for E-commerce channels to ensure a positive customer experience. Our nationwide staff of Designers are dedicated to providing packaging solutions that balance function, customer engagement and brand promotion. GBP's services include ISTA Certified labs for testing package development through Amazon Test Certification for Tier 1 (FFP), Tier 2 (SIOC) and Tier 3 (PFP). ISTA, BRC, SFI Certified.

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Great Northern/Laminations- Great Northern is one of the nation's largest independent producers of e-commerce packaging and edge protection. We help our customers win by providing innovative, high quality packaging for any type of product, no matter its size, shape, weight, or performance criteria. Using our extensive manufacturing and converting capabilities, we deliver cost-effective packaging solutions that meet Amazon's Certified Frustration-Free Packaging standards. We make the process easy by offering all the services our customers need from design and testing through production and delivery. Providing exceptional service to customers throughout North America. ISTA, AIB, SQF certified

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<https://greatnortherncorp.com/>

Grifal SpA: Since 1969, the name Grifal has been synonymous with full service and innovation in the protective packaging industry. Our proven ability to continually develop new products and technologies has allowed us to meet our customers' most demanding applications for the past 50 years. We offer a full suite of services from design, testing and supply of effective and environmentally friendly packaging solutions.

Grifal's expert team of packaging designers have deep experience in a wide variety of industries and with products of all shapes, sizes and materials. They are fully supported by our ISTA-certified lab that is authorized in more than 20 different protocols. Our technicians have gone through extensive training including the APASS training program conducted in Seattle, Washington to assure strict compliance with Amazon's Prep Free Packaging, SIOC and Frustration Free Packaging standards.

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APASS TESTING LIST CURRENT AS OF 3.03.2021

H.B. Fuller (Global Packaging Supplier, Packaging Optimization Consulting) H.B. Fuller is your one-stop solution provider for adhesive and tape applications for e-commerce packaging. We support streamlining your processes and designing the packaging that enhances the consumer's unboxing experience, while increasing protection of the product and facilitating material re-use and retriipping. Our technologies include handle and hand hole reinforcement, tamper-evident easy opening, and peel and seal closing applications, as well as all types of adhesives for packaging and labeling. Our E-commerce team continues to develop solutions that helps you achieve your sustainability goals, differentiate and add value to your packaging.

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<https://www.hbfuller.com/en/north-america/products-and-technologies/markets-and-applications/packaging/closing-and-ecommerce>

Heritage Paper has been an industry leader in custom packaging solutions for over 40 years.

- Innovative custom packaging design to help you stand out amongst your competition and drive your business forward. Turnkey packaging equipment solutions and fulfilment programs that optimize every step of your supply chain.
- A reputation of service excellence in everything from the design process to delivering and managing the day to day business of your packaging needs. And, we are well known for resolving the most difficult packaging challenges.

Deeply experienced in Ecommerce solutions, we are a material neutral design team with expertise in plastic and paper packaging materials. We will optimize your packaging to delight your customers, drive sales and meet Amazon's FFP and ISTA6 certifications. In-house digital printer and CAD renderings facilitate an agile design process for speed to market. Our talented team will guide you through the entire process to ensure a timely and successful implementation. Based in Southern California we extend our reach nationwide through a network of select partners committed to a singular goal of helping you meet the challenges of your business today.

Location	Contact Name	Email	Phone
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www.heritagepaper.net

HFP (Houston Foam Plastics) is a full service packaging engineering & manufacturing company that utilizes top of the line equipment, outstanding design services and testing capabilities necessary to meet our customer requirements. Our Certified Packaging Professionals on staff have the knowledge & experience to design and test packaging solutions that are not only cost efficient & sustainable, but can also successfully transport products through the shipping environment. HFP has a wide variety of fabrication equipment which allows us to take on various packaging applications such as cushion packaging, insulated coolers and crates to name a few. With manufacturing locations in Houston, El Paso, San Antonio, Dallas and Mexico, HFP has the ability to provide services not only regionally, but throughout North America. Visit our website for more information.

Location	Contact Name	Email	Phone
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www.hfpusa.com

APASS TESTING LIST CURRENT AS OF 3.03.2021

Hinojosa - (EU Testing, Designer and Supplier) is the one of the Spanish packaging leaders with 13 manufacturing sites throughout the country. Driven by more than 70 years of know-how, design expertise and manufacturing excellence, we develop tailor-made supply chain solutions and testing facilities (through our partner ITENE) that your packaging project deserves. We are able to provide the widest service and product portfolio for long-term value while enhancing profitability of your business. Our transparent, proactive and flexible approach guarantees a smooth and successful implementation for the highest end-to-end environment-conscious efficiency. As a member of the Blue Box Partners' alliance, our clients can benefit from synergy between country-specific paper/packaging as well as technical/technological market trends driving both our innovation investments strategies. Our group sustains each client's challenge, expectation and growth opportunity with a strong focus on e-commerce.

Location	Contact Name	Email	Phone
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Hood Container Corporation is a family-owned, mill to market company specializing in containerboard and kraft paper, corrugated boxes, high graphic displays and contract packaging. Our commitment to customer happiness, employee well-being, environmental stewardship, and operational excellence drive our business. Over the last eight years Hood Container Corporation has grown to become one of the top ten Paper and Packaging Companies in the United States. Our integrated company resources allow for a unique dynamic that evolves with every addition to our geographic footprint. We excel at offering the benefits of a large corporation, while operating as a boutique business building close relationships with our customers.

Location	Contact Name	Email	Phone
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Chicago, IL	Ben Hill	ben.hill@hoodcontainer.com	(708) 594-2621
Cincinnati, OH	Phil Batsch	phil.batsch@hoodcontainer.com	(513) 826-4187

HQTS Group Ltd. - Our ISTA packaging testing lab is centrally located in Hangzhou China and is one of China's oldest and largest privately held testing labs. We also have an additional five labs in other locations throughout China for testing a broad range of consumer goods. Our labs are accredited to international standards to ensure compliance with regulatory requirements for all major markets. You can benefit from the skills and expertise of the industry's award-winning engineers and technical staff. Our personalized approach to delivering fast, accurate, and reasonably priced results have established HQTS as one of the most respected labs in China.

Location	Contact Name	Email	Phone
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www.hqts-qai.com

IBE-BVI (Belgian Packaging Institute) is an ISO 17025 accredited laboratory for materials, packaging and palletized loads. Since 2011, IBE-BVI is an ISTA certified testing laboratory.

IBE-BVI's team assist companies worldwide by testing the performance of their packaging for a variety of industries (pharmaceuticals, chemicals, food, non-food, electronics, automotive, ...). With more than 65 years of experience IBE-BVI offers testing regarding 1) material characterization, 2) permeability, 3) transport & climate simulations, 4) food contact, 5) child-resistance, 6) dangerous goods & (F)IBCS packaging for UN-homologation.

IBE-BVI is certified to qualify your packaging as Amazon Frustration Free Packaging (FFP), Ships-in-own-container (SIOC), Prep-free packaging (PFP).

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www.ibebvi.be

APASS TESTING LIST CURRENT AS OF 3.03.2021

ITENE – The Packaging, Transport and Logistic Research Centre (EU Testing and Design): ITENE provides ISTA testing and can certify packaging as PFP, SIOC, or FFP among other ISTA protocols. With more than 25 years of experience, ITENE provides transport simulation services as well as technical guidance to improve packaging performance and sustainability. We provide business solutions with an integrated vision of the supply chain, from raw materials improvement, design and development of packaging, characterisation and analysis of packaging materials, food safety compliance and packaging systems optimisation.

Location	Contact Name	Email	Phone
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<http://www.itene.com/>

International Paper (USA Testing, Designer & Supplier) - International Paper is one of the world's leading producers of corrugated packaging. We offer full structural design services from our network of 170 designers including eCommerce specialists. In addition, our ISTA certified labs will provide testing protocol and simulations required in order to develop the optimal packaging to meet Amazon's certified packaging requirements (Prep Free Packaging, SIOC and Frustration Free Packaging).

Location	Contact Name	Email	Phone
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<http://www.internationalpaper.com/>

Intertape Polymer Group Inc. ("IPG") (NA, EU, Asia Global Supplier & Designer) – IPG is a recognized leader in the development, manufacture and sale of a variety of paper and film based pressure-sensitive and water-activated tapes, polyethylene and specialize polyolefin films, protective packaging, engineered coated products and packaging machinery for industrial and retail use. IPG has long been delivering packaging security and branding to box sealing capabilities. IPG enables suppliers to quickly engage the unique standards of qualification across products currently used in the complex e-commerce environment. Information on IPG's complete e-commerce solutions suite can be found at <https://www.itape.com/en/ms/e-commerce>. IPG is strategically set up with operations in 31 locations, including 22 manufacturing facilities in North America, four in Asia and one in Europe.

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APASS TESTING LIST CURRENT AS OF 3.03.2021

Intertek (Global testing with many locations) - As a leading Total Quality Assurance provider to industries worldwide, Intertek can help you ensure and understand the protective performance of your Amazon products packaging through our International Safe Transit Association (ISTA) testing program. Intertek is certified by ISTA to conduct packaging testing to many requirements for its "Transit Tested" certification program, allowing member organizations to label their packaging and allowing non-members to obtain test reports to verify compliance. Intertek offers global support for your business operations and supply chain through our network of more than 1,000 laboratories and offices and over 43,000 people in more than 100 countries.

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IPS-technology: (EU Testing, Designer, Cleaning, &Supplier) – IPS-Technology provides end to end design, testing, cleaning and supply solutions in a very wide packaging sector (E-commerce, semiconductor, automotive, aerospace, high tech, medical etc.).

IPS provides ISTA testing and can certify packaging as PFP, SIOC, or FFP. Beyond just testing and certification, IPS-Technology can provide advice in packaging design & damage solutions, technical guidance and feedback on packaging best practices. IPS also test product life. We know the requirements with which products and packaging materials have to comply and all the legal standards and obligations.

As a spin-off of Philips, IPS Technology has gained many years of experience in designing, manufacturing, testing and cleaning (special) packaging and tooling.

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EU, The Netherlands	Marijn Sijbers	Marijn.sijbers@ips-technology.com	+31 40 2647 200

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APASS TESTING LIST CURRENT AS OF 3.03.2021

Jabil (Global Supplier & Designer) – Jabil Packaging Solutions provides access to a legacy of value-added rigid product containers, closures and devices – and the innovation expertise required to address the unique challenges of today and tomorrow. We provide precision injection molding for high-velocity ecosystems and end-to-end smart packaging solutions that drive brand loyalty, auto-replenishment and consumer insights. We are prepared to support Amazon's PFP, SIOC and FFP initiatives.

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www.jabil.com

James Ross Consulting is a world leader in packaging management services. Established in 1993 and operating globally from offices in the UK, USA and Asia/Pacific. Our team of experienced packaging specialist collaborate with leading global brands. The key advantage is a global view, a combined knowledge of a wide range of industries and a proven track record.

We are experts in optimising packaging performance and delivering best practice across the full supply chain. We regularly review new packaging formats and can help to design applicable solutions that will support Amazon's FFP and SIOC initiatives.

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<https://www.jrconsulting.com/>

Kaleidoscope (NA Designer & Consultant) - Kaleidoscope is an independent brand consultancy with a global reach. Through the unique integration of strategy, design and prototyping, we work with brands of all sizes to deliver frustration free experiences without compromising strong brand impact. With a deep expertise in Amazon's PFP, FFP and SIOC requirements, Kaleidoscope is the partner that can help you face the rapidly changing world of ecommerce with confidence.

Location	Contact Name	Email	Phone
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<http://www.thinkkaleidoscope.com/about/>

APASS TESTING LIST CURRENT AS OF 3.03.2021

Kelly Box – Founded in 1955, continues our long tradition of creating superior packaging solutions through innovative engineering and design that can be manufactured cost effectively.

Our ongoing investment in the latest manufacturing technology ensures that we can deliver high-quality packaging while meeting even the most demanding volume requirements. Our emphasis on reliability and flexibility ensures that we can help you meet your schedule.

Four production sites with over 400,000 square feet of production and logistics facilities, as well a fleet of company-owned trucks.

Kelly Box is an ISTA certified lab staffed with experienced professionals who are willing to put your products and our designs to the test.

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Keystone Compliance (NA Testing) – Keystone Compliance is an ISTA certified third party package testing lab specializing in ecommerce packaging in a global marketplace. Our knowledgeable staff can guide you through the Amazon FFP, SIOC or PFP certification process from start to finish while maintaining turnaround times among the fastest in the industry. If you are searching for a lab that can not only certify your packages but make recommendations specific to the challenges of ecommerce throughout the supply chain, please visit our website or contact us.

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Klingele Group - As an independent supplier of paper and packaging solutions made of corrugated board with a presence in Europe, Africa and Central America, the Klingele Group is highly committed to entrepreneurial spirit and high agility in our customer markets. Tailored to the requirements of your markets, we analyse, optimize and develop packaging solutions across the entire supply chain (especially in the e-commerce sector) in order to achieve sustainable cost optimization and support your business profitability. Klingele can provide the following services: corrugated and paper solutions, in-house design and sample capability, UN certified testing lab, board analysis, board manufacturing and print, consultancy and manufacturing of pilot series. Within a strong partnership with the packaging experts (designers and process engineers) of our European Alliance Blue Box Partners, we provide holistic approach to create e-commerce ready packaging solutions throughout Europe.

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APASS TESTING LIST CURRENT AS OF 3.03.2021

Landsberg Orora- Landsberg Orora is a fully-integrated total packaging solutions company dedicated to developing optimized packaging solutions that transform the packaging experience. From custom packaging design to packaging automation and fulfillment, Landsberg packaging consultants help take products from concept to consumer. Landsberg Orora offers an extensive range of packaging materials, from primary packaging to corrugated, cold chain, cushioning, rigid and flexible packaging, and more. In addition, we also offer ISTA-certified testing facilities throughout North America, Europe, and Asia. Our design teams specialize in brand redesign, digital printing, packaging development, 3D renderings and prototyping. To learn more about our capabilities, please visit ororapackagingsolutions.com.

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Lansmont - For nearly 50 years, Lansmont has been providing Field-to-Lab® measurement and testing solutions to the world's leading companies, government laboratories and educational institutions. Our technologies are used to prevent damage in the supply chain, improve deliverable product quality and maintain regulatory compliance.

Lansmont offers complete ISTA 6 Series Amazon SIOC and Over-Box test equipment solutions. Our subject matter experts can help with ISTA laboratory certification, as well assisting with equipment and testing applications training. We offer global technical support, including on-site preventative maintenance and repair. Lansmont also operates an in-house ANAB Accredited ISO/IEC 17025:2005 and ANSI/NCSL Z540-1-1994 laboratory, where we deliver professional calibration services.

Lansmont's Field-to-Lab® methodology means – measure the hazards present in the distribution environment, then use those measurements to drive laboratory simulation of that environment. Lansmont's SAVER™ shock and vibration data recorders are the industry standard that provide the ability to characterize any number of channels in the supply chain. Our internal experts can assist with supply chain audits and their respective summary reports.

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APASS TESTING LIST CURRENT AS OF 3.03.2021

L&E International, Ltd. (Global Supplier & Designer) - L&E; The leading full service, global provider of premium, sustainable consumer and retail packaging products. No other packaging supplier has the global footprint or can offer the variety of packaging at the high standards and levels of quality and service as L&E. Our business model enables us to serve our customers flexibility while providing innovative solutions, and competitive pricing. We choose to put our resources into hiring high level experts in printing, sustainability, e-com packaging design, human rights compliance, specialty machinery, in house developed software for streamlining order processing, and in establishing our own testing facilities.

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Lumi

Lumi (lumi.com) is an end-to-end platform that connects companies to a global marketplace of packaging manufacturers. Companies use the Lumi platform to source more sustainable packaging solutions from over 2,000 factories around the world.

With Lumi, companies can control their entire packaging supply chain — from sourcing and quoting to artwork and prototypes — all in one place. Lumi members rely on the platform for real-time production statuses, best match factory sourcing, reliable quote comparisons, sustainability expertise, consolidated product specs, and standardized QC. Lumi also offers on-demand, in-house packaging engineering and testing to meet a wide variety of criteria.

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Marks, an sgscsco company (Global, Packaging Design) - Marks is a brand design and experience agency. We know that speed alone isn't enough for brands to win in an age of disruption and constant change. As both embedded partners providing fluid, day-to-day design leadership and future-forward experts, offering game-changing fresh thinking, our complementary perspectives uncover opportunities where others don't. We deliver impactful ideas and experiences that build brand momentum, across a full range of practices — from strategy to brand design, innovation to engineering, and content creation to marketing communications. We're part of Sgscsco, a brand consultancy built with the agility and inventiveness that enables our clients to get 'there' first. Our sister company, SGS, is an integrated packaging and marketing company, delivering excellence in the final mile. Together, we enable brands to move faster and shift to impact.

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APASS TESTING LIST CURRENT AS OF 3.03.2021

Menasha Corporation is a leading packaging manufacturer and supply chain services provider that operates over 100 facilities in North America and Europe. Menasha Packaging Company and ORBIS Corporation, are leaders in their industries and provide major global companies with cost-effective, sustainable, and innovative products and services. Menasha Packaging Company is the largest independent, retail-focused corrugated packaging and merchandising provider of graphic packaging, displays, assembly, pack-out and distribution services that are fully integrated into e-commerce and retailer systems. Menasha's 120+ package engineers and graphics artists are prepared to support ecommerce requirements including Amazon's PFP, SIOC, and FFP initiatives. Our packaging and testing teams are geographically matched to provide the most efficient go-to-market timelines.

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Metaphase Design Group, Inc. (NA Designer & Consultant) - Metaphase Design Group specializes in the design of innovative, manufacturable, and intuitive products and packaging.

Metaphase experts integrate a deep understanding of materials and manufacturing processes, ecommerce/supply chain considerations, as well as human factors and ergonomics to develop uniquely ownable design solutions that provide exceptional consumer experiences. Contact our firm to develop new and novel designs, troubleshoot issues with current designs, or conduct ergonomic and design audits to evaluate ease-of-use for FFP.

Metaphase Design Group, Inc. Our team has extensive experience in: packaging design (primary, secondary, shipper, etc.), hand-held product design (food/beverage, personal/beauty care, consumer electronics, health/medical, etc.), instructional material development, and consumer/usability testing.

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Micom, founded in 1999, is an ISTA certified lab offering the complete ISTA test suite (series 1 through 6) including [ISTA 6-Amazon.com](#). We also offer temperature conditioning for multiple pallet loads and random vibrations under low pressure. As a full material test lab we not only can test your packaging, we can also test the materials used to build your packaging for mechanical properties (strength, adhesion, etc.). Furthermore, we offer [accelerated aging](#), thermal shocks, humidity exposure and sun aging. *Our promise; beyond testing, we will advise you in selecting the right test methods and conditions to obtain meaningful results addressing your specific needs. Our team will also assist you in finding effective solutions.*

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APASS TESTING LIST CURRENT AS OF 3.03.2021

Mintel is the world's leading market intelligence agency. For more than 40 years, Mintel's expert analysis of the highest quality data and market research has directly impacted on client success. With offices in London, Chicago, Shanghai, Belfast, Düsseldorf, Kuala Lumpur, Mumbai, Munich, New York, São Paulo, Seoul, Singapore, Sydney, Tokyo, and Toronto, Mintel has forged a unique reputation as a world-renowned business brand. Mintel provides comprehensive syndicated and custom consulting on e-commerce retail markets, businesses, and packaging innovations and strategies.

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Mitchel-Lincoln Packaging Ltd: Established in 1965, Mitchel-Lincoln is a leading manufacturer of corrugated products based in Quebec, Canada. Our focus is serving manufacturers/distributors because they value the industry leading consistent lead times and deliveries we provide. Mitchel-Lincoln offers a team of experienced designers within the engineering department, aided by state of the art equipment in corrugated packaging design to ensure that the best solutions can be created that meet Amazon's requirements while achieving our client's goals.

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Modern Testing Services Packaging Performance Lab (MTS) is a world class independent provider of technical services to the consumer products manufacturing and distribution community. We specialize in providing Amazon Sellers with fast and efficient technical support, while utilizing state-of-the-art technology to assure speed and accuracy. Our global network of facilities is positioned in strategic locations throughout the world enabling us to maintain an unparalleled response time. MTS is a globally based ISTA certified lab approved by Amazon to evaluate compliance to Amazon Prep-Free Packaging (PFP), Ships-In-Own-Container (SIOC), and Frustration-Free Packaging (FFP) requirements. Amazon Sellers experience industry leading rapid testing turnaround time, competitive pricing and unmatched responsiveness which significantly reduce time-to-market.

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APASS TESTING LIST CURRENT AS OF 3.03.2021

Mold-Rite Plastics (Global, Packaging Design, Supplier) - Mold-Rite Plastics consistently delivers innovative, quality packaging solutions at industry-leading customer-experience levels. Our expertise in Pharmaceutical, Nutraceutical, Food & Beverage, Personal Care, Pet, Home Care, and Automotive markets help our customers navigate the requirements of e-commerce packaging. Manufacturing an extensive stock portfolio of packaging components including child-resistant closures, liquid and dry dispensing closures and jars, our team works closely with brand owners to design custom packaging and dispensing solutions that will withstand the rigors of home delivery while enhancing brand recognition. As a leader in the use of post-consumer recycled resin (PCR), our solutions are business *and* environment-friendly.

Locations	Contact Name	Email	Phone
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<https://www.mrpcap.com>

More From Less (DS Smith's Global Consultancy/Designer) (NA, ASIA Tester, Designer & Consultant)- With over 600 designers and technical engineers strategically located throughout 36 countries, DS Smith provide a complete one stop solution for design, packaging supply, testing and certification with the benefit of local contacts. Our UKAS & ISTA accredited laboratory is able to carry out a full range of transit, packaging, paper and board testing under controlled Laboratory conditions of 23°C, 50% RH. The Laboratory can undertake testing on many packaging materials and not only specializes in corrugated packaging and UN dangerous goods, but is also able to offer UN dangerous goods advice and is certified to perform full UN combination package testing. After testing of the packaging and auditing environmental circumstances our specialists can offer a customized advice on improvements that could be implemented to ensure packaging excellence during any supply chain. Utilizing 25 years manufacturing experience of home delivery and e-commerce packaging supply, along with a dedicated e-commerce team, DS Smith is the perfect partner to support all of your amazon.com packaging, testing and design requirements.

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Nefab is a global industrial packaging manufacturer specializing in complete packaging solutions that reduce their customers' total costs while minimizing environmental impact. Nefab is a leading provider of packaging solutions within the segments of Telecom, Energy, Industry, Vehicles, Healthcare and Aerospace. Nefab has five global accredited testing laboratories capable performing environmental conditioning, distribution, package integrity and packaging performance testing.

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APASS TESTING LIST CURRENT AS OF 3.03.2021

Netrush - Netrush assists brands in the development of efficient packaging solutions that engage customers while reducing environmental impact through material savings and process improvement. Guided by real-world customer feedback, our team designs packaging with a focus on customer experience, damage protection, and sustainability. We offer:

- Primary and secondary packaging designed specifically for e-commerce
- Amazon Frustration Free Packaging (FFP)
- Amazon Ships in Own Container Packaging (SIOC)
- Custom, branded packaging
- Supply chain and fulfillment channel optimization
- Value-added packaging

Find us at Netrush.com to learn how we can help your brand find the sweet spot between profit margins, customer experience, and sustainability.

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Onyx Packaging Corporation (USA Testing, Design and Supplier). Onyx is a full-service custom design, testing and packaging supplier serving customers nationwide. With a commitment to quality, efficiency, and sustainability, Onyx can design, APASS test verify and manufacture your ecommerce packaging quickly to meet your deadlines and exceed your expectations. Leveraging our design and testing labs in NY and OH, and over 35 manufacturing locations in North America, Onyx will complete your projects quickly and in shorter lead times. Our design, testing and sales team lead the industry in its experience and expertise to deliver superior packaging solutions to ensure your product arrives to your customer in perfect condition every time. Let us be your trusted partner through the entire packaging development lifecycle.

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US-OH	Mary Kate Sovran	Sr. Design Engineer	marykate@onyxpackaging.com	740-927-1100

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Pacific Container Corp. - (NA Packaging Designer and Manufacturer) is the Pacific Northwest leader in Packaging Design and Production Capabilities. With two locations and over 500,000 square feet space for production, assembly and warehousing, our well-trained and experienced team is equipped to meet all of your packaging needs – on time and on budget. From our recently installed 110" Corrugator to our 6-color Flexographic and Digital Printers, we have an unparalleled mix of equipment. As the recent winner of the Tahoma Business Environmental Award, Pacific Container Corp. is also proud to be an industry leader in Sustainable Practices. No project is too small or too large for our team!

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www.pccbox.com

APASS TESTING LIST CURRENT AS OF 3.03.2021

Pacific Southwest Container: PSC is one of the largest independent packaging manufacturers in the Western United States providing solutions for corrugated and single face litho laminate packaging, folding cartons, POP displays and protective packaging. Our “One Stop Shop” approach allows our customers to achieve all of their eco-friendly, sustainable packaging requirements with an eye towards functionality and aesthetic appeal. Our reputation for innovative package designs comes from our talented team of structural engineers. Team PSC is prepared to support your eCommerce packaging requirements and assist you in meeting Amazon’s Packaging Certifications while helping you increase your sales.

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US – Modesto, CA	Justin Patterson	JPatterson@teampsc.com	(530) 219-8858
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<https://www.teampsc.com/>

Package Testing + Innovation LLC (PTI). The Right Test, Tested Right. PTI is a full-service, ISTA-certified, consumer product and package testing facility recognized throughout the food, beverage, and beauty industries for our expertise in:

- Distribution Testing
- Package Qualification Testing
- Failure Analysis and Troubleshooting
- Package Integrity, Permeation and Leak Detection
- Package Specification Development and Compliance
- Accelerated Aging, Package Compatibility, and Usage Testing
- Product Stability and Analytical Chemistry (Physical and Chemical Analysis)

We combine state-of-the-art package testing equipment with our consumer product expertise to deliver a complete testing solution for all stages of your product development lifecycle from cradle to cradle. Not only does PTI utilize the best industry standards for the job (e.g. ASTM, ISTA, ISO), but we also provide customized testing to ensure your product’s marketplace success.

Whether you are a fresh startup aiming to disrupt the industry or a Fortune 500 company looking to secure and expand market share, let our 50+ years of combined product and package expertise support your next blockbuster launch. Partner with us at PTI and get the right test, tested right.

For inquiries in Spanish, please contact Mariluz Gibney (mariluz@pt-innovation.com).

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APASS TESTING LIST CURRENT AS OF 3.03.2021

Packaging Corporation of America – Packaging Corporation of America (PCA) is a corrugated packaging solutions company focused on supporting your success in the marketplace. Our nationwide network of designers and packaging engineers provides expertise you can count on to deliver the ideal solution for your brand on time and on budget. Conditioned to TAPPI standard conditions year round, we provide testing and package development services for our current and future customers through our ISTA-certified, world-class Technical & Development Center located in Mundelein, IL.

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<http://www.packagingcorp.com>

PACKZ BV (Global Packaging Innovation Consultants) – PACKZ is an innovation and design consultancy providing idea's, innovative concepts, prototyping and packaging (industrial) design. PACKZ specializes in providing new technologies, new sustainable materials, early feasibility and brand strategy in a collaborative setting. We create value for our partners which includes some of the most successful businesses in the world.

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PAConsult GmbH – Your partner for accredited testing services. At PAConsult we take pride in making sure that your products arrive safely. From small packages to large scale shipping cases and unitized pallets with a maximum load greater than 1000 Kg: By simulating various transport strains our long time experienced and highly educated staff will help to locating weaknesses of your packaging. Our ISTA certified and DAkkS accredited laboratories (DIN EN ISO/IEC 17025) provide state-of-the-art testing equipment to perform your ISTA 6 Amazon.com testing in the best way possible. Among others we offer the following services:

- Performance of ALL ISTA SERIES 1 - 6
- Compression, vibration and shock testing
- Temperature and climatic testing
- IP protection class and leak tests
- Corrosion and Chemical resistance testing
- Vacuum and overpressure testing
- Irradiation testing

Frustration-Free-Packaging, SIOC, and Over boxing are not just words to us – we will make sure your packaging is secure and gets certified - Professional. Efficient. Reliable. PAConsult GmbH

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APASS TESTING LIST CURRENT AS OF 3.03.2021

Pixel & Timber is a lean product design and development firm located in Cincinnati, OH. Pixel and Timber has unique capabilities in design for manufacturing (DFM) and the development of highly functional packaging designed to reduce ecological impact and improve user experience. Our work marries our passion for sustainable design and our experience developing cutting edge products and packaging for industries that include consumer products, medical devices, aerospace and more.

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www.pixelandtimber.com

Pratt Industries (USA Testing, Designer, & Supplier) - Pratt Industries has been a longtime supporter of Amazon Frustration Free Packaging program, and heavily involved with Amazon's suppliers in creating E-commerce ready packaging solutions. Pratt is the largest privately held 100% post-consumer recycled packaging company in the United States.

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Pregis LLC & Pregis Innovation Headquarters (USA Testing, Designer & Supplier) is a customer-driven solutions provider of innovative protective packaging materials, packaging development and testing, equipment systems, and surface protection. Through a team of packaging engineers, Pregis is able to deliver in-house packaging design and testing services. The certified engineering team based at the Pregis IQ follows a methodical step-by-step, total package analysis approach including; consultation, design, material and sustainability impact, and testing (ISTA, APASS FFP, and SIOC protocols). Packaging is designed to endure a damage free journey through various distribution methods and deliver upon customer experience objectives. Solution implementation will be supported with training documentation as well as hands on training and equipment integration services. As a material neutral company, Pregis works with its customers to find the correct solution to solve their business challenges.

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Premier Packaging, LLC (Global Designer, & Supplier) - Premier Packaging is a full service packaging supplier that offers full design services and testing validation. We have the ability to provide samples and prototypes offering structural and graphic design services. We have digital printing capabilities to provide full printed mockups and prototypes for review. Four Design locations in the US and Design support in China.

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<https://www.prempack.com/>

APASS TESTING LIST CURRENT AS OF 3.03.2021

Printpack - Founded in 1956 and headquartered in Atlanta, GA, Printpack is a privately-held manufacturer of flexible and specialty rigid packaging. Employing over 3,200 associates worldwide, the company operates 19 manufacturing facilities in the United States, Mexico and China. By combining our unique insights into consumer preference with advanced technological capabilities, Printpack can heighten brand recognition and help capture market share. Visit www.printpack.com to learn more.

Location	Contact Name	Email	Phone
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Product Ventures is a brand strategy and design consultancy specializing in packaging innovation. As pioneers of the consumer-informed business-actionable process, we generate and transform compelling ideas into commercially viable solutions. Product Ventures helps the world's leading companies shape their best known brands to enhance consumers' lives. As part of Amazon's APASS network, Product Ventures can leverage their extensive packaging knowledge to create cost-effective commercialization strategies for ecommerce packaging that supports Amazon's PFP, SIOC and FFP initiatives.

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Protective Packaging Solutions: We are a leader of custom solution protective packaging using a wide array of flexible polyurethane, polyethylene and crosslinked foams as well as sheeted plastic fluted materials. With over 30 plus years' experience in design and prototyping at each of our facilities, we are certain to provide you with a cost effective packaging solution to meet all of Amazon's FFP, SIOC and PFP requirements. We thrive on innovation and creativity as well as quick turnaround from the initial conceptual concept to final production part. We are located in both Aurora, CO and Cincinnati, OH.

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APASS TESTING LIST CURRENT AS OF 3.03.2021

Punkbox - 'We are the Reusable Creative Agency' - We believe your packaging deserves a chance to be more sustainable. Whether turning it into something fun for kids to play with, or grown-ups to cleverly reuse. Packaging should stand out, deliver a unique customer experience, and deepen their love for your brand. As an independent agency, we keep the design process simple, bring fresh ideas, and disrupt through fun, creative sustainable solutions, without all the big agency waffle! We look at every project through green-tinted glasses, and with over twenty years of expertise in packaging materials, form, function, and print, sustainability is at the heart of everything we do. Whether that's design for reuse, exploring manufacturing efficiencies, or applying the latest material trends and digital experiences.

We are award-winning creatives and technical experts with over 20 years of delivering innovative, creative, and technical packaging solutions for many of the most iconic global brands.

Our services: Insights. Ideas & innovation workshops. Creative concepts. Design roll-out. Artwork. Print management. Prototype management. Materials knowledge. Brand Campaigns.

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Purple Diamond: The Innovation Center (NA Testing and Design) – Purple Diamond: The Innovation Center provides; testing, design, and engineering services to a wide variety of industries. We take a comprehensive approach to help our business partners bring their products to market in a cost effective and sustainable way. We strive to offer a complete extension and resource to our partners in areas of Design-Engineering-Testing and Validation. We differentiate ourselves from others by providing a holistic approach to Package design, Testing and Validations. UN/DOT, ISTA, TAPPI capable.

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Rand-Whitney provides full-service packaging solutions using a wide array of value-added services. Our services include packaging engineering, prototyping, graphic design, and an ISTA certified testing lab. Working in coordination with our designers, our state-of-the-art testing facility helps create innovative packaging, perfect for any situation. Our design team is well equipped with the tools and knowledge to ensure that all of your packaging meets the Amazon standards for SIOC, FFP, and PFP. With over 75 years of experience in the industry, Rand-Whitney is the perfect partner for your packaging design, manufacturing, and testing needs.

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APASS TESTING LIST CURRENT AS OF 3.03.2021

Ranpak (Global Testing, Designer, & Supplier) - Ranpak is a leading provider of systems-based, product protection solutions for e-commerce and industrial supply chains. Since its inception in 1972, Ranpak has delivered high quality paper-based protective packaging solutions, and maintained its commitment to environmental sustainability. None of our protective packaging products contain any plastic or other resin-based inputs. Our business is global, with a strong presence in the U.S. and Europe, and end-users in approximately 50 countries across 6 continents. We provide ISTA certified lab services, and we are certified to provide ISTA 6-Amazon.com-SIOC (Type A) and ISTA 6-Amazon.com-Overboxing testing.

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RAINBOW SMART INDUSTRIAL LTD.- Rainbow Smart Industrial Ltd. is a leading provider of paper-based packaging solutions throughout China and Southeast Asia. Our services include Structural Design, Flexographic and Offset Printing, Graphic Design, Print Quality Management, & ISTA testing including tests for Amazon SIOC, FFP, and PFP initiatives. Whether needing a structure for new product or testing existing packaging, Rainbow Smart is here to guide you through the process.

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Rieke - is committed to being an innovative, world-class manufacturer of closures and dispensing systems for the global market. Our reputation for novel design and creativity is reflected in the development of an extensive portfolio of revolutionary products over the company's history including: drum closures, pail and can closures, pump dispensers, and innovative dispensing systems. Serving a huge range of markets - from food and beverage, pharmaceutical and personal care to paints, solvents, oils and lubricants- Rieke supplies both boutique manufacturers and the world's top brands with drum closures, pump dispensers and custom packaging solutions.

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APASS TESTING LIST CURRENT AS OF 3.03.2021

RISE Packaging Science Centre in Stockholm, Sweden can help you with all aspects of packaging development. Our packaging expertise ranges from choice of raw material and its properties through to the end-user perception of the packaging, all with a life-cycle approach in mind.

Our ISTA-certified laboratory is fully equipped, including the latest sensors and loggers, to ensure that the packaging fulfils its most important function i.e. protecting the product, both during transport and storage. We are experts in various testing methods and international standards for simulation of handling within supply chains such as; 6-Amazon.com-SIOC, 6-Amazon.com-Over Boxing, ASTM, ETSI, IEC, ISO, ISTA and NEBS.

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RKS Design (Global Designer & Consultant) – Strategic design and innovation firm focused on develop solutions that enhance the user experience, streamline business operations, and increase the brand perception across a multitude of categories including CPG, Food & Beverage, Consumer Electronics, Business to Business, and fashion.

Location	Contact Name	Email	Phone
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<https://www.rksdesign.com/>

Rocky Mountain Testing Solutions (NA, Testing Services) – Rocky Mountain Testing Solutions is an ISO 9001-2015, ISTA Certified third party testing laboratory with capabilities of providing complete testing services for package and component products. RMTS serves the consumer electronics, pharmaceutical, aerospace/defense, medical and automotive market. We offer a complete line of testing services for accelerated aging, temperature/humidity, vibration, shock, salt fog, thermal shock, altitude, fluid susceptibility, centrifuge, and distribution simulation testing per ASTM, ISTA, TAPPI, ISO, as well as Mil-Std and DO160 testing. With RMTS testing experience we can help you meet your Amazon Frustration Free Packaging (FFP), Ships-in-own-container (SIOC), Prep-free packaging (PFP) and Over Box (OB) packaging test needs. Visit www.rmtesting.com for more info.

Location	Contact Name	Email	Phone
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Saica (EU Testing, Designer, & Supplier) - Saica is the European leader in the development and production of recycled paper for corrugated fiberboard, with a production of 3.3 million tons of paper. With more than 10,000 employees across Spain, France, Italy, Portugal, UK, Ireland, Turkey, Luxembourg and The Netherlands, Saica Group has four business areas: recycled paper production for corrugated cardboard (PAPER), recyclable materials recovery (NATUR), production of corrugated packaging (PACK) and flexible packaging (Flex). Saica contributes to the circular economy via our vertically integrated business model. We work with our customers, using our End 2 End approach, to develop the most suitable and cost effective packaging solutions considering the entire supply chain. All package testing will be carried out in an ISTA certified laboratory.

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Schumacher Packaging GmbH (EU Testing, Designer & Supplier): The Schumacher Packaging Group based near Coburg in Bavaria is a specialist for tailor-made packaging solutions made of corrugated and solid board. The medium-sized, owner-managed company has been one of the productivity and technology leaders in the packaging industry for many years. An important strategic advantage is that Schumacher Packaging combines a broad presence on the European market with uniformly high standards of technology, quality and service at each of the 29 locations.

Our know-how ranges from the production of base paper to cardboard, heavy board, open flute and all common types of corrugated board. Our in-house design centres with experienced development teams work closely with our customers to find the best possible solution for their needs and requirements, which then can be produced without restrictions using state-of-the-art machine technology.

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Sealed Air (Global Testing, Designer and Supplier)– As a leader in protective packaging materials and the originator of Bubble Wrap®, Sealed Air's engineered solutions enable products to ship faster and arrive safer backed by decades of data science and continuous innovation. We are experts in all aspects of small parcel shipments and operate 42 packaging design and testing centers across the globe. Each center is equipped to solve complex e-commerce packaging challenges and four of them focus on Amazon's FFP, SIOC, and PFP initiatives. Sealed Air helps customers eliminate damage, minimize package dimension, reduce shipping costs, lessen environmental impacts and protect the most important part of any e-commerce transaction: the customer experience. Our design and testing services at a glance:

- 18 ISTA-certified testing centers including 4 SIOC locations
- More than 12,000 testing and design projects completed annually
- Temperature assurance capabilities
- Sustainable packaging optimization

Location	Contact Name	Email	Phone
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www.sealedair.com/amazonffp

Selig Group is the world leader in induction seals, closure liners, and package venting solutions, meeting the needs of the packaging industry for over 120 years. Selig offers the largest range of products for the Food and Beverage, Pharmaceutical, Nutraceutical, Agricultural, Personal Care and Chemical industries. Our products include the innovative Lift 'n' Peel™ consumer convenient liner, as well as our full range of induction seal liners (Uni-Gard™, Safe-Gard™ and FoilSeal™), reseal liners (foam and pulp based) as well as packaging solutions for container venting to avoid bloating or 'paneled' containers. Our products provide freshness, safety, leak protection, package integrity and tamper evidence. Our sealing and venting solutions are trusted by market-leading companies on billions of products every year."

Location	Category	Contact Name	E mail	Phone
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EU (UK & Switzerland)	Induction Liners	Peter Tindale	sales@seliggroup.com	44-1753-773000

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SGS Global Testing Service: is the world's leading inspection, verification, testing and certification company. We are recognized as the global benchmark for quality and integrity. With more than 95,000 employees we operate more than 2,600 offices and laboratories around the world, including Paper and Packaging Laboratories in the U.S., Asia and Europe. We operate a full service product and packaging test lab in Fairfield, NJ and Appleton, WI where we execute the full suite of ISTA procedures, including ISTA 6-AMAZON. We are ASTM, UNDOT and ISTA certified as well as Amazon approved. We offer Transit & Chemical testing, Sustainability & Physical Performance testing, Environmental & Atmospheric Conditioning, Medical Packaging & Cold Chain testing and other custom and retailer required tests. SGS Integrated Paper Services (IPS) in Appleton, WI, is an independent laboratory serving the pulp & paper, packaging, corrugated, nonwovens, personal care products, and medical supply industries. With SGS's packaging services, you can be sure your packaging protects products, complies with regulations, reduces product loss and controls environmental issues in the distribution of your products.

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<https://www.sgs.com/>

Silgan Dispensing (Global, Design/Supply)- Silgan is a global leader in the design and supply of innovative packaging solutions to the Home, Beauty, personal care, Food and Pharma markets. Silgan's best in class design capabilities allow for quick market solutions and our global footprint ensures uninterrupted supply to all regions worldwide. Silgan's product technologies include: screw and flip top closures and caps, fragrance, lotion and foam pumps as well as airless dispensing solutions.

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Smithers (USA/EU testing) -Smithers provides ISTA testing and can certify packaging as PFP, SIOC, or FFP. With more than 70 years of experience in the packaging testing field Smithers also provides technical guidance and feedback on packaging best practices, and offers a range of primary pack and materials testing services for paper, board, plastics and composite packaging materials, as well as food contact testing, and testing of packaging for dangerous goods.

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<https://www.smitherspira.com/>

Smurfit Kappa (Testing, Designer, & Supplier) is one of the leading providers of paper-based packaging solutions in the world, located in 22 countries in Europe, and 13 in the Americas. We collaborate with forward thinking customers by sharing our expert product knowledge, market understanding and insights in packaging trends to ensure business success in their markets.

With an unrivalled portfolio of paper-packaging and supply chain solutions, we are able to design, manufacture and test packaging based on FFP & ISTA requirements, allowing us to provide bespoke packaging which is optimised to fit your business needs.

We are specialists in eCommerce packaging and can offer bespoke machinery for automated eCommerce solutions through our machine systems business. With our dedicated eSmart service designed to improve all aspects of the packaging process - from packing line to supply chain to customer experience, coupled with our experience of over 4,000 eCommerce supply chains, we are committed to adding significant commercial value to the customers we work with.

Recognised by Forbes.com as a global business leader in sustainability, our products are 100% renewable and improve the environmental footprint of our customers."

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<http://www.smurfitkappa.com/>

Sonoco Protective Solutions (NA Testing, Designer, & Supplier) Sonoco is a global provider of both primary and secondary packaging products and services, delivering innovative solutions to industrial and consumer businesses. Sonoco's Protective Solutions Division is a fully integrated full service multi material packaging provider that includes in-house design and prototyping capabilities, along with ISTA certified testing. With our team's design and testing experience we can help you meet your Amazon Prep-Free Packaging (PFP), Ships-in-Own Container (SIOC), Frustration Free Packaging (FFP) and Over Box (OB) packaging needs for medium to heavy bulky goods that need shipping through the ecommerce channels.

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<https://www.sonoco.com/>

APASS TESTING LIST CURRENT AS OF 3.03.2021

Southeast Testing: we have been involved with ISTA since the very start 15 years ago.

Our name stands for knowledge and integrity when it comes to package testing in the Southeast. We are now a mature 3rd Party independent mechanical testing lab, handling ASTM, Hazmat and TAPPI test requests. Our website (www.setelab.com) shows some of our testing capabilities.

We take pride in good communications, fast turnaround times and reasonably priced services.

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www.setelab.com

Southern Carton Company is a packaging design and manufacturing leader. Provides custom ecommerce, shipping, graphics, expendable, and returnable packaging solutions to businesses across the United States. From concept to delivery, Southern Carton has a full spectrum of customizable services tailored to your specific business, product, and supply chain needs. Whether you're wanting take a fresh look at an existing eCommerce corrugated box or bring your latest automotive innovation to market with premium graphics, there isn't a challenge our team of professionals can't handle. www.southerncarton.com

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Alabama, Mississippi	Scott Fray	sfray@southerncarton.com	615-604-4563

Spark Packaging Lab: The Spark Packaging Lab is located in the Seattle area and established to provide responsive package testing, structural packaging design & engineering, package prototyping and short-run digital projects in the PNW market. As an independent supplier, we manage new and confidential products and can help you shorten the timeline-to-market. Packaging solved! <https://sparkpackaginglab.com/>

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US-Washington	Greg Schroeder	greg@sparkbrighterthinking.com	425-422-7423

Spring Design Partners (Global Designer & Consultant) – Spring Lab is a design and innovation consultancy providing industrial design, prototyping, and packaging design. Spring further specializes in providing brand strategy and graphic design. We leverage our signature agile approach, Minimum Viable Design, to create validated solutions in less than eight weeks for our partners which include some of the most successful businesses in the world.

Location	Contact Name	Email	Phone
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STERIS - STERIS operates an independent, ISO 17025 accredited test laboratory. We have been ISTA certified since 2000 and offer the most comprehensive range of packaging testing services in Europe. Our experience in partnering with the largest global companies has positioned us as leaders in best practices for packaging testing and advisory services. We offer packaging concept reviews, environmental conditioning capabilities, full distribution simulation, and shelf life studies, all in conformance to recognized standards, including ISTA and ASTM. www.steris-ast.com +353 (0)91 750 350

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TC Transcontinental

TC Transcontinental Packaging is a leader in flexible packaging employing over 4000 employees in its operations located in the United States, Canada, Mexico, Guatemala, Ecuador and New Zealand. Their operations are comprised of a premedia studio, focused on brand development, and 28 production plants specializing in extrusion, lamination, printing and converting. TC Transcontinental Packaging offers a variety of flexible plastic and paper packaging solutions, including rollstock, bags, pouches, coextruded films, shrink films and coatings. TC Transcontinental serves a variety of markets including dairy, coffee, proteins, pet food, agriculture, confectionery, supermarket fresh and frozen foods. Visit www.tctranscontinentalpackaging.com/packaging to learn more.

Location	Contact Name	Email	Phone
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Tektronix Testing Services (NA, Testing Services) - Tektronix Testing Services provides independent package testing from two locations, Wayne, NJ and North Billerica, MA. The labs have extensive capabilities and experience performing Amazon, ASTM, ISTA, and MIL-STD package tests. We strive to complete testing quickly and accurately while collaborating with our customers to ensure their packaging will withstand the rigors of shipping.

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<https://www.tek.com/product-testing-services/package>

TEN-E Packaging Services, Inc. is an ISO 17025 accredited testing laboratory with capabilities of performing packaging and component testing services. Our state-of-the-art facility is designed and equipped for environmental conditioning, distribution and package integrity testing. With over twenty-five years of experience TEN-E is the resource you can count on to help you validate your package. TEN-E will provide a strategic element in your company's package design, profitability and overall market success. Visit us at www.TEN-E.com/package-testing for more information on ISTA, ASTM, regulatory, environmental or medical testing.

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www.TEN-E.com/package-testing

The Specialty Lab Inc. Is an ISTA certified third party test facility that offers both Over box package testing as well as SIOC package testing per Types A through H. With over 24 years' experience in performing package testing, such as per ASTM D4169, MIL-STD-810, and ISTA, we are now prepared to perform package testing to the requirements of Amazon. We can also provide other services that do not pertain to package testing such as component level failure analysis, electrical testing, vibration, and mechanical shock testing among a few of our capabilities.

Location	Contact Name	Email	Phone
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APASS TESTING LIST CURRENT AS OF 3.03.2021

Topa Institute (EU, Testing, Consulting, Packaging Designer and Supplier) Topa Institute, founded in 1983, is a test laboratory with a modern approach to simulating transport and transshipment. The various tests show the possible product fragility or weaknesses of the packaging. The interpretation of the test results, combined with the up-to-date knowledge of the specialists of Topa Institute, exclude damage to your product during transport and storage.

On top of that, Topa Institute is also a key player in packaging development for all kind of products. Solutions are provided for fragile or bulky products as well as for temperature sensitive pharmaceutical products. Our specialists do not only limit themselves to the packaging. The whole logistic process is being researched.

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TÜV Rheinland: With over 140 years of experience, TÜV Rheinland is a leading provider of technical services worldwide. Headquartered in Cologne, we have more than 490 locations in 61 countries on all five continents. Since 2010 we are a member of the International Safe Transit Association (ISTA) and offer packaging testing according to ISTA 6-Amazon.com testing procedures in our ISTA certified laboratories in Asia in Guangzhou (China) and Bangkok (Thailand).

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Website: <https://www.tuv.com/world/en/ista-packaging-testing.html>

APASS TESTING LIST CURRENT AS OF 3.03.2021

TÜV SÜD PSB - is a service provider for a comprehensive and integrated suite of product testing, inspection, auditing, certification, training, and knowledge services. With a sterling record of over 40 years, TÜV SÜD PSB aims at helping companies achieve business excellence. TÜV SÜD PSB is accredited under the Singapore Accreditation Council Singapore Laboratory Accreditation (SAC-Singlas) Scheme to ISO/IEC Guide 25 (ISO/IEC 17025) and ISO Guide 65 (ISO/IEC 17065). Our packaging lab is ISTA certified and fully-equipped. We provide testing protocol and international standards for simulations required, and develop the optimal packaging to meet Amazon's certified packaging requirements (6- Amazon.com-SIOC and Over Boxing, ASTM and ISTA, UN Mark, etc.) For more information, visit us at <http://www.tuv-sud-psb.sg>

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UFP Packaging, LLC – LX Center

Your customers expect products to arrive in good condition and you want to minimize the cost to package your products – it's a balancing act. You also want to minimize shipment preparation fees and over-boxing expenses. The LX Packaging Lab specializes in driving cost out of packaging designs and validating performance in the modern distribution environment. We are an ISTA certified lab staffed by Packaging Engineers & Technicians, specifically trained on Amazon packaging standards. We design and validate everything from corrugated shipping solutions to large industrial scale crates and skids. From light duty to heavy duty, we've got you covered. Outstanding customer service, an efficient design process and the highest technical standards are our hallmarks. We design, prototype & test your shipping solutions to perform. Our affiliates can provide the needed shipping solutions and materials to meet your product protection needs.

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<https://www.ufpi.com/en/products/packaging-and-protection>

APASS TESTING LIST CURRENT AS OF 3.03.2021

Unicorr Packaging Group - Unicorr is among the largest converters of custom corrugated products and protective packaging in the Northeast. We work with our North America alliances to provide additional geographic coverage as needed. As a third generation family-owned and operated business since 1946, we manufacture and distribute a wide range of corrugated containers, displays and retail packaging, and protective packaging at six manufacturing facilities and multiple satellite warehouses. Our experienced structural and graphics design team will create your ideal packaging solution from prototypes through testing in our ISTA certified testing lab, and our skilled production team will take over from there. We truly care about our customer's success and partner together to develop and execute the best possible e-commerce solution for each product or combination of products.

Demand the most from your packaging. After all, your package is a reflection of the quality of your product and your brand. When you choose Unicorr, you'll have a team of talented innovators, production experts and extensive state-of-the-art equipment on your side.

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US-NC			

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UN1F1ED2 designs develops and tests protective packaging and products by supplying our clients with the science to prove that their packaging and products work as intended for the environments they are designed for (or deployed in). We perform industry testing as well as custom testing to help our clients reach a high level of reliability for their products increasing their customer's satisfaction and saving them time and money during their product life cycle.

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EU- Ireland			353-21-466-9009

UPS Package Design & Test Lab- There's a science to making sure shipments arrive safely and intact--it begins with the packaging and package engineering. At the UPS Package Design and Test Lab our certified engineers use leading-edge technologies to simulate real-world package transport scenarios.

Movement along your supply chain can take a toll on your shipments, and your packaging must be able to hold up under various conditions. UPS's test lab is a place where packages go through compression, impact, vibration, and shock tests. The data from these tests help our engineers identify the most appropriate packaging for your product to help prevent damages and minimize reshipments.

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APASS TESTING LIST CURRENT AS OF 3.03.2021

UL: the global safety science leader, provides the expertise, insights and services necessary to solve critical business challenges. We help our customers achieve their safety, security and sustainability goals, meet quality and performance expectations, manage risk and achieve regulatory compliance. Our more than 14,000 employees operate out of 40 countries around the world and serve customers in more than 100 countries. UL has developed more than 1600 standards and UL marks appear on tens of billions of products annually. Our strategic global laboratories in USA, Italy and China are third-party ISTA certified package testing labs for multiple ISTA protocols including ISTA 6-AMAZON for Overbox and SIOC testing. We support what matters to you with ULs packaging testing services.

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Veritiv Corporation (Global Design, Testing, Sourcing & Logistics Services) – Veritiv is a leading North American business-to-business distributor of packaging, paper and facility products coupled with providing industry leading value added design, testing and logistics services. Veritiv offers a globally integrated team of artists, engineers and project managers capable of delivering services such as: in-house package design and prototyping, ISTA certified testing and international sourcing of packaging materials. Our creative design network offers full service structural design, graphic design and performance validation testing. Our creative design teams are supported by a wide range of in-house prototyping capabilities, material analysis testing and simulation tools to provide material neutral solutions for global (and domestic) business operations. Please contact our highly creative design team to discuss opportunities for design improvements, automated assembly, reduced costs, warranty reduction, improved pack-out, design audits or packaging excellence goals.

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China-Shanghai	July Jiao	July.Jiao@veritivcorp.com	+8618621853102

www.veritivcorp.com

Virginia Tech- The Center for Packaging and Unit Load Design at Virginia Tech offers a wide range packaging, pallet and unit load testing services. We are certified by ISTA (ST-2316), NMFTA, and equipped to conduct a wide variety of ASTM, ISO, or TAPPI tests. Our corrugated material evaluation lab is the only IKEA certified lab in North and South America. As part of Virginia Tech, we have access to advanced prototyping facilities, chemical laboratories, and structural testing labs. We have computerized corrugated and paperboard cutting tables in house to cut custom boxes for our partners. As an educational facility, we are not just providing testing results to our partners but conducting complete failure mode analysis to determine how to improve the package and pass the applicable Amazon tests.

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<https://www.unitload.vt.edu/amazon-package-testing/>

APASS TESTING LIST CURRENT AS OF 3.03.2021

Voion Packaging Technology, Ltd. - The Voion Packaging Group is comprised of 15 manufacturing facilities throughout Asia (South China, Vietnam, Malaysia, Thailand, Indonesia, India), Mexico and Europe. We have complete design centers in China and also the US, based in the San Francisco Bay Area. Our turnkey operation allows our customers to utilize all facets of the packaging process – from ideation to sampling, engineering, testing, prototyping, all print and finishing, assembly, and logistics.

In addition to one of the largest corrugate manufacturing footprints in South China, we also serve all retail and e-commerce markets with rigid boxes, SBS folding cartons, thermoform and injection molded products, paper-pulp trays and enclosures, booklets, and security labels. Design, development, testing and all project management is centered through our team in the US and China to provide a complete hands-on solution for all packaging and e-commerce challenges. www.voion.com www.voionusa.com

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VPK Packaging Group (EU, Designer and Supplier) produces recycled paper and paper-based packaging in more than 19 countries. As one of the major European independent groups, we offer technical experts, design teams and manufacturing excellence to answer the packaging needs of your entire supply chain. We provide sustainable solutions to store, protect, transport and market your goods. Thanks to our membership to the “Blue Box Partners” Alliance, we combine European coverage with local speed to market to enhance the profitability of your business, especially in the e-commerce industry.

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WCP Solutions is the premier multi-location, privately held full-service wholesale packaging distributor in the NW. We have a full design center and 14 locations throughout Washington, Oregon, California, Idaho, Montana, and Alaska. We specialize in providing custom solutions to our customers through innovation, design, and efficiency. We take a consultative approach to packaging & offer our customers the best service experience possible. We offer unique solutions to fit your needs. Quite simply put, we are experts at getting the product shipped safely to the customer while keeping cost savings a priority.

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APASS TESTING LIST CURRENT AS OF 3.03.2021

Weener Plastics (Global Manufacturer and Designer) is a full service global supplier of innovative and sustainable plastic packaging solutions. The company designs, develops and manufactures added value Caps, Closures, Bottles, Jars and Roll-on Balls for the Personal Care, Food, Pharmaceutical and Home Care markets. Especially with liquids, transportation is challenging and it is crucial to develop leak tight packaging solutions that arrive undamaged at the consumers' doorstep. We are experienced in developing custom packaging solutions that meet ISTA6A testing requirements. Headquartered in Ede, The Netherlands, the company employs more than 4,600 people and has 28 facilities in 18 countries worldwide.

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Westpak, Inc (Global, Testing Services) - WESTPAK, a third-party, mechanical and environmental testing firm with laboratories in San Diego and San Jose, California, serves the life science, technology, consumer, food, and aerospace industries by evaluating package systems per ISTA, ASTM and ISO test protocols for most delivery types and transportation methods. WESTPAK has grown through word of mouth and referrals since being founded in 1986. The firm's well-established reputation for providing reliable data, accurate test results, and excellent customer service is industry recognized. The company became 100% employee-owned in 2017. Its philosophy continues to be "Integrity is the priceless ingredient in testing.

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WestRock– WestRock is an industry leading producer of containerboard and corrugated packaging providing containers structurally designed and performance matched to converting equipment and distribution channel requirements. Our innovative solutions for e-commerce delivers value beyond the box. The WestRock testing lab provides design, prototyping and testing of corrugated containers and related components (adhesives, coating and inks) for products sold for direct delivery to consumers. We conduct baseline testing, competitive analysis, root cause analysis and supply chain performance / qualification testing of individual packages up to double stacked pallet loads. Package Performance Testing simulates the hazards a packaged product, including SIOC (ships in own container) packaging is subjected to during storage and distribution. This testing includes ISTA Certified, ASTM, NMFC Item 180 and 181 testing, in addition to customized testing protocol development.

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APASS TESTING LIST CURRENT AS OF 3.03.2021

YFYJupiter, an international leader providing innovative, sustainable packaging solutions, is now an official member of the Amazon Packaging Support and Supplier (APASS) network. As one of the only, truly comprehensive turn-key packaging providers in the world, we can now further extend our professional packaging services to the growing community of on-line brand packagers. The expertise within our Professional Packaging Services enable us to manage all facets of packaging from brand inception, product development, structural engineering, certified package testing, paper milling, graphic design, photography, artwork production to final printed packaging, optimized for the supply chain with improved speed to market. As a leader in providing retail and e-commerce packaging solutions, we not only improve brands with better packaging, we are committed to engineer solutions that meet or exceed the Prep-Free Packaging (PFP), Ships-in-Own Container (SIOC) and Frustration-Free Packaging (FFP) requirements. Our material innovations also provide exposure to newly developed technologies such as Npulp® (paper made from straw), Npoly® (ocean friendly resin), AP230™ (lightweight liner board) and other environmentally friendly opportunities. Pls contact us @ www.yfyjupiter.com for more information

York Container Company: In the often complex retail and online marketplaces, you can look to York Container to demystify your corrugated packaging. As a trusted supplier to some of the most well-known names in the CPG world, we specialize in performance-based packaging including, brown box, multi-color shelf and display-ready, and e-commerce. Our Amazon-savvy design team, and state-of-the-art manufacturing capabilities help us excel in cost improvements and innovation. We will do what we do best...design, test, and optimize your packaging - all while fulfilling Amazon's requirements! This will free up your time to focus on what you do best...sell your product!

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Zumbiel Packaging (USA, Design and Supplier) With the fastest design samples and the best customer service in the industry, we are the gold standard in durable SIOC cartons that are right for your unique distribution challenges. Trusted for over 175 years as an independent supplier, 87% of our customers rank us among their top three vendors regardless of what those vendors sell. That is because as the largest independent specializing in 100% curbside recyclable e-commerce packaging, we design the package that is right for your needs rather than steering you toward a one-size-fits-all solution. Come see what it feels like to be an important customer.

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