

Amazon Packaging Support and Supplier Network (APASS)

To support vendors 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 in Vendor Central 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.

Once complete, Vendors can certify their product's packaging using the test results from an APASS Packaging Testing Lab:

1. Log in to Vendor Central and go to 'Support' and then scroll down and select 'Contact Us'
2. Select your business group "e.g. "Beauty" (any of a vendor's business groups can be selected).
3. Click on "Amazon Packaging Certification" in the list of support topics under "What can we help you with?"
4. Click "Enroll and Certify ASINs" and complete the required fields
5. You will be prompted to attached both the completed ISTA 6 tested report (official Amazon template only) and a completed ASIN Enrollment Form.

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

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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.

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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.

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/>

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>

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 – NY	Anton Cotaj	info@anamapackagetesting.com	(914) 899-3300

www.anamapackagetesting.com

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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>

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, fulfillment, 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

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

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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/>

Bureau Veritas Consumer Products Services (Global Testing with USA & China locations) - Bureau Veritas Consumer Products Services offers an extensive network of laboratories specializing in transit testing for the consumer product and retail markets with 5 laboratories certified worldwide by the International Safe Transit Association (ISTA) to perform the ISTA 6-Amazon.com test procedures.

Location	Contact Name	Email	Phone
US – Buffalo, NY	Tony Theriault	anthony.theriault@us.bureauveritas.com	+(1) 716-505-3407
CN - Shenzhen	Keith Wang	Keith.wang@cn.bureauveritas.com	(+86-755) 32980234
CN – Shanghai	Dean Wei	Dean.wei@cn.bureauveritas.com	+(86)-21- 2416 6786
Vietnam	Angelina Hong Back up: Elise Vo	Angelina.hong@vn.bureauveritas.com Angelina.hong@vn.bureauveritas.com	+(84) 028 3742 1604 - Ext. 868 +(84) 028 3742 1604 - Ext. 394
India	Harendra Kumar	h.kumar@in.bureauveritas.com	+(91) 8800990914

<http://www.bureauveritas.com/home/our-services/tests-and-analysis/>

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
US-MN	Kyle Ous	APASS@chainalytics.com	+1 (612) 252-1830

<https://www.chainalytics.com/packaging>

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
US – Austin, TX	Henry Heil	henry.heil@compadrelabs.com	+1 (512) 422-4771

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

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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.testedandproven.com for more information.

<i>Location</i>	<i>Contact Name</i>	<i>Email</i>	<i>Phone</i>
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US – CA	Robert Hoody	Robert.hoody@testedandproven.com	714.954.2718

<https://www.testedandproven.com>

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.

<i>Location</i>	<i>Contact Name</i>	<i>Email</i>	<i>Phone</i>
EU – UK	Robert Wrightham	ukat@dssmith.com	+44 1455 892890

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

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.

<i>Location</i>	<i>Contact Name</i>	<i>Email</i>	<i>Phone</i>
US & Canada	Nikki Malcom	Nikki.malcom@element.com	425-686-4755
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US – CO.	Marie Oster	Marie.oster@element.com	303-746-3504

www.element.com

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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.

Location	Contact Name	Email	Phone
US – IL	Brent Lindberg	studio@fuseneo.com	(815) 981-4164

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

Georgia Pacific & Georgia Pacific's Innovation Institute® (USA Testing, Designer & Supplier) – At Georgia-Pacific's Innovation Institute®, we believe that collaboration with you is just the beginning of an in-depth process to find creative ways of reducing costs and improving the performance of your packaging. At the Innovation Institute®, we believe there are always innovative new ways to reduce supply chain costs, increase shelf velocity and drive sustainability improvements. And we're determined to find them, whether they're new to GP or new to our industry.

We work together with you to analyze your entire supply chain and use a reliable and repeatable 5-step process to come up with innovative packaging solutions that could directly benefit your business. We offer a creative, collaborative environment dedicated to helping you build your brand, improve your operations and optimize your packaging.

Our focus: Innovation, Research and development, Customer support, Education for our customers and employees

Location	Contact Name	Email	Phone
US	Patrick Smorch	PMSmorch@GAPAC.com	+1 (770) 246-1416

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

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

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

<http://ghtesting.com/>

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Great Northern/Laminations- Great Northern is one of the nation's largest independent producers of packaging and edge protection. We help our customers win by providing innovative, high quality protective solutions for any type of product, no matter its size, shape, weight, or performance criteria. Our packaging and edge protection experts leverage Great Northern's extensive manufacturing and converting capabilities to deliver cost-effective solutions. We make the process easy by offering all the services our customers need, from design through production, assembly and distribution—reducing transaction costs, ensuring quality and improving speed to market. Servicing customers throughout North America. ISTA, AIB, SQF and SFI certified.

<i>Location</i>	<i>Contact Name</i>	<i>Email</i>	<i>Phone</i>
US –	Aaron Sass	asass@greatnortherncorp.com	1.800.925.2626
US –	Corey Nugent	cnugent@greatnortherncorp.com	1.800.925.2626

<https://greatnortherncorp.com/>

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.

<i>Location</i>	<i>Contact Name</i>	<i>Email</i>	<i>Phone</i>
EU – SPAIN	Amparo Gala	amparo.gala@itene.com	(+34) 671 075 299

<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).

<i>Location</i>	<i>Contact Name</i>	<i>Email</i>	<i>Phone</i>
US	Karissa Ellis	ecommercelab@ipaper.com	

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

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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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China – Hong Kong	Tiffany Lai	tiffany.lai@intertek.com	+852 2173 8774
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China - Guangzhou	Vivian Peng	vivian.peng@intertek.com	+86 20 82139769
China - Shanghai	Teresa Pan	Teresa.pan@intertek.com	+86 21 5339 6213
China - Hangzhou	Lina Wang	lina.wang@intertek.com	+86 571 89979524
China - Tianjin	Cissy Fan	cissy.fan@intertek.com	+86 21 5339 6213
India	Rohit Tyagi	rohit.tyagi@intertek.com	+91 8527990266
Taiwan	Jean Wang	jean.wang@intertek.com	+886 2 6602 2888 Ext 309
Vietnam	Tamlinh Nguyen	tamlinh.nguyen@intertek.com	+84 8 62816898
Indonesia	Taufiq Urakham	taufiq.urakham@intertek.com	+ 62 21 391 8584
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<http://www.intertek.com/packaging/testing/>

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.

Location	Contact Name	Email	Phone
EU, The Netherlands	Ramon Hendriks	Ramon.hendriks@ips-technology.com	+31 40 2647 200

<http://www.ips-technology.com>

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

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that drive brand loyalty, auto-replenishment and consumer insights. We are prepared to support Amazon's PFP, SIOC and FFP initiatives.

Location	Contact Name	Email	Phone
NA & General Inquiry	Jeff Minnette	jeffrey_minnette@jabil.com	+1 (812) 204 3945
EU	Emilio Castella	emilio_castella@jabil.com	+34 619 406 191

www.jabil.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, FPF 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
US-IL	Scott Lucas	slucas@thinkkaleidoscope.com	+1 (773) 722-9300

<http://www.thinkkaleidoscope.com/about/>

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.

Location	Contact Name	Email	Phone
US – PA	Scott Bischoff	APASS@keystonecompliance.com	724-657-9940

www.keystonecompliance.com/APASS

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.

Location	Contact Name	Email	Phone
US-NY inquiries	Tim Allen	ecom.packagingservices@le-intl.com	516-741-5300 ext. 600
For CN, Vietnam, Indonesia, India, Thailand	Nick Mincone	ecom.packagingservices@le-intl.com	516-741-5300 ext. 324

<http://www.le-intl.com/>

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.

Location	Contact Name	Email	Phone
US-Washington	Peter Furtado	apass@menasha.com	425-327-3050
US-Pennsylvania	Brad Clark	ISTA@menasha.com	724-722-4283

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<http://www.menasha.com/End-To-End-Solutions/E-commerce-Online-Solutions>

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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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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Chicago	David Luttenberger	dluttenberger@mintel.com	856-327-7344
Chicago	Carl Fritscher	cfritscher@mintel.com	312 450 6009

www.mintel.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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US - IL	Robert Wrightham	ukat@dssmith.com	+44 1455 892890

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

Packaging Corporation of America – *Packaging Corporation of America (PCA) is a packaging solutions company focused on supporting your success in the market place. Our nationwide network of designers and packaging engineers provide expertise you can count on to deliver the ideal solution 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.*

Location	Contact Name	Email	Phone
US	Michael Manney	mmanney@packagingcorp.com	847-388-6028

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<http://www.packagingcorp.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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<http://www.prattindustries.com/>

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/>

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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<http://purple-diamond.com/>

Rieke - 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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<https://www.riekepackaging.com/>

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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.

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

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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EU	Miguel A. Jimenez	miguela.jimenez@saica.com	

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Sealed Air (Global Testing, Designer, & Supplier) – Sealed Air’s global network of Packaging Application Centers offer unparalleled expertise in solving your packaging challenges. Our capabilities are extensive, utilizing a comprehensive approach to understanding your business, systematically evaluating your packaging process, and recommending packaging solutions that address damage reduction, cube optimization and packaging labor efficiency, while improving the overall customer experience. Sealed Air serves customers in 175 countries through recognizable brands such as Cryovac®, Bubblewrap®, FillAir®, New Air IB®, Instapak®, I-Pack®, StealthWrap™ and Korrvu® packaging. Our worldwide network of Packaging Applications Centers feature:

- 18 ISTA Certified Packaging Application Centers
- More than 80 Packaging Professionals
- More than 10,000 packaging application projects completed each year
- Innovative packaging optimization tools

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SGS Global Testing Service: With more than 90,000 employees, SGS operates a network of over 2,000 offices and laboratories around the world. As a leading inspection, verification, testing and certification company, we are certified by ISTA (International Safe Transit Association) and have been supporting certification testing for [ISTA 6-](#)

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[Amazon.com SIOC](#) and [ISTA 6-Amazon.com Over-boxing](#), which were developed by ISTA in cooperation with Amazon to verify the capability of the package and product to withstand common transport conditions. We strive to deliver you outstanding value at every step to constantly driving improvements in the sustainability of packaging across Amazon supplier chain.

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Smithers Pira (USA/EU testing) -Smithers Pira 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 Pira 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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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

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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.

Location	Contact Name	Email	Phone
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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

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.

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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

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.

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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 reshgments.

Location	Contact Name	Email	Phone
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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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www.veritivcorp.com

Wachler Engineering, Inc. (NA, Engineering and Packaging Design) - Our independent and unbiased analysis provides cost-cutting solutions for packaging designed to meet the rigorous demands of the global ecommerce marketplace. Wachler Engineering is not a reseller of equipment or packaging materials. Supporting companies with heavy bulky items in their portfolio, we use a vast vendor network and our expertise, to provide packaging solutions that reduce damages and improve customer experience. Before sending your products for testing, take advantage of our PFP, SIOC, or FFP design review for portfolios of products attempting to achieve packaging certification.

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Webb deVlam (Global, Packaging Design) - We are an agency that builds brands. Our philosophy is the power of collaboration: interdisciplinary teams working together creating a spark that ignites a meaningful connection between a person and a brand. From insights, strategy, graphic design, industrial design and engineering our people engage with understanding, empathy and curiosity to make sure we think before we draw and switch on our Macs. Our design is holistic, universal and purposeful. We do our best thinking, inside the box: framed by the brand ambition, consumer needs and commercial realities of the problem we are trying to solve.

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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.

Location	Contact Name	Email	Phone
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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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