



Paris, France  
March 6-7-8, 2018



***U.S. Companies at JEC World 2018 are looking for partners and clients worldwide.***

You, as a user, distributor, processor or manufacturer of composites materials, know that **JEC World 2018** (Paris, March 6-8), is THE largest event in the world for composites materials and technologies. It is the international meeting place for all those involved in composites raw materials, processing and equipment.

The U.S. companies listed below are looking for new customers and commercial partners all around the world.

If you would like our assistance to connect with them, we will be happy to do so.

The Paris Commercial Service will welcome you in **Hall 6 Booth P46**. Please take the time to contact us so we can help you make the most of your visit at the JEC fair.

**We look forward to meeting you at JEC 2018!**

**<http://www.jeccomposites.com>**

## **3DFORTIFY INC - Hall 6 - C72**

**Website:** <https://www.3dfortify.com/>

**Product activity:** 3DFortify is an advanced manufacturing startup that aims to disrupt additive manufacturing, ushering in a new generation of custom, high performance products. They have developed a patented process that combines 3D printing and magnetics to create aligned reinforced carbon fiber composites.

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## **A&P TECHNOLOGY - Hall 6 - G6**

**Website:** [www.braider.com](http://www.braider.com)

**Product activity:** A&P Technology is the world-leading producer of precision braided textiles. A&P creates material solutions for customers in a wide array of industries. A&P's composite engineering team works closely with each customer to develop the optimal composite solution, offering the ability to reduce manufacturing and material costs while increasing part performance. A&P's products offerings include: fabrics, sleeveings and performs. A&P braids are manufactured using a variety of input materials, carbon, aramid, fiberglass, thermoplastics, to name a few. Braids enable easy lay-up and provide superior performance. Some application where braided materials are used are: jet engine fan cases, hockey sticks, composite tooling, radiodishes & airframes.

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## **A.SCHULMAN INC. / QUANTUM COMPOSITES - Hall 6 - N28**

**Website:** <http://www.quantumcomposites.com/>

**Product activity:** We are a leading source of Engineered Composite materials offering unique solutions with an unparalleled breadth of industry knowledge, unbounded materials technologies, and operational agility to help our customers succeed. We are committed to exploring and refining technologies to help strengthen and improve our customer's products. We have the knowledge and the capabilities to fully support your developmental needs from concept development through testing and validation. Our technology and capabilities provide value-driven solutions to a wide range of industries.

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## **ACCUDYNE SYSTEMS - Hall 6 - R31c**

**Website:** <http://www.accudyne.com/>

**Product activity:** ACCUDYNE SYSTEMS is an internationally recognized provider of custom automation equipment for producing intermediary materials, performs and finished parts. For over twenty years, Accudyne has specialized in providing solution to complex equipment processing challenges. Much of our work involves the design and manufacture of part specific equipment to automate difficult and/or labour-intensive processes. Our technical staff develop unique solutions that enhance the quality, productivity and profitability of our customers' products. Our areas of expertise include tape and tow placement, cut and add on-the-fly, robotic pick-and-place, kitting, shape forming, debulking wrapping, out-of-autoclave processing and cross-ply-converting.

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## **ACT AEROSPACE - Hall 6 - R49d**

**Website:** <http://www.actaero.com/>

**Product activity:** Act aerospace is vertically integrated to handle every level of composite design and fabrication. with a full scale machine shop (5 axis), large autoclaves (up to 12' in dia and 55' in length), and unique manufacturing techniques (lay up to compression molding), our staff of experienced engineers, tooling artisans and composite craftsman in fabrication and assembly are able to manage any composite related project to completion. design and development projects to full rate production.

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## **ADVANCED CERAMICS MANUFACTURING -**

**Website:** <http://www.acmtucson.com/>

**Product activity:** ACM conducts basic and applied research that is focused on ceramic technology and polymer based composites. Its goal is to transition new technology from the laboratory into commercial products or processes that improve the capability, efficiency, and affordability of aerospace, defense, and industrial systems. By leveraging its materials background, ACM has developed extensive experience in advanced ceramic processing and formulation of water soluble binder-particulate composites for use in fiber reinforced composite processing. ACM is the leader in water soluble tooling technology and holds multiple patents in this technology space.

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## **AGY HOLDING CORP - Hall 5 - G41**

**Website:** [www.agy.com](http://www.agy.com)

**Product activity:** AGY provides the best quality, highest performance glass fibre yarns, rovings and chopped strands to a wide variety of markets and end uses (aerospace, defence, electronics, automotive, wind energy, construction, CNG, thermal insulation, sports, and industry). Founded in late 1998, AGY is a relatively new name in the market with a long history of service to these markets. Globally, AGY has over 650 employees involved in the production, sales, headquarters, technology centre and manufacturing is located in Aiken, SC USA. We have also established commercial administrative offices in Lyon, France.

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## **AIRTECH ADVANCED MATERIALS GROUP - Hall 5 - G39**

**Website:** [www.airtechonline.com/](http://www.airtechonline.com/)

**Product activity:** Airtech Advanced Materials Group is the world's largest manufacturer of vacuum bagging and composite tooling materials for prepreg/autoclave, resin infusion and wet lay-up processes up to 426°C. The Airtech product line consists of: vacuum bagging films, release films, pressure sensitive tapes, release liquids, peel plies, breathers & bleeders, sealant tapes, connectors & hoses, rubber, cutting tools, vacuum leak detectors, tooling prepregs and resins, carbon and glass reinforcements. Business focus areas include aerospace, wind energy,

marine, automotive, printed circuit board, solar energy and general composites. Airtech has a global footprint with 6 locations to fully support its customers. Airtech is ISO 9001 and EN/AS 9100 certified.

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## **ALBANY ENGINEERED COMPOSITES - Hall 6 - Q77**

**Website:** <http://www.albint.com/en-us/Pages/default.aspx>

**Product activity:** Albany International Corp. is a global advanced textiles and materials processing company. Their products and technologies help make paper smoother, tissue softer, and aircraft engines and structures lighter. Albany International has two core businesses: - The Machine Clothing segment is the world's leading producer of custom-designed fabrics and belts essential to production in the paper, nonwovens, and other process industries. - Albany Engineered Composites (AEC) is a rapidly growing supplier

of highly engineered composite parts for the aerospace industry.

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## **ALIGNED VISION - Hall 5 - N69**

**Website:** <https://aligned-vision.com/>

**Product activity:** From the very beginning, Aligned Vision has been uncovering hidden costs in composites fabrication, then minimizing or eliminating these costs with innovative solutions. The results? We've produced every major "first" in our industry, and each one has enabled fabricators to simultaneously increase quality and accelerate production rates. Aligned Vision offers the ONLY complete fabrication management solution for composites. Key systems that comprise this solution are LASERGUIDE industrial laser projection; LASERVISION with automated inspection; and BUILDGUIDE process control. Each of our technologies helps lower costs, raise throughput, and produce traceable, exacting quality.

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## **ALTAIR INCORPORATION - Hall 5 - N90**

**Website:** <https://www.altair.com/>

**Product activity:** Altair focuses on the development and broad application of simulation technology to synthesize and optimizing designs, processes and decisions for improving products and business performance. With more than 2,600 employees, Altair is headquartered in Troy, Michigan, USA, and operates more than 45 offices throughout 24 countries. Today, Altair serves more than 5,000 corporate clients across broad industry segments. Short description of the most famous Altair softwares: - Altair HyperWorks dedicated to engineering simulation and performance optimization technology. - Altair PBS Works for HPC, computing technology and Cloud. - Altair ProductDesign for dedicated consulting in product engineering. - solidThinking for generating concept & design.

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## **ANGUIL ENVIRONMENTAL SYSTEMS, INC. - Hall 6 - R31f**

**Website:** <https://www.anguil.com/>

**Product activity:** Anguil Environmental provides fully integrated systems for air pollution abatement at carbon fibre and composite operations located throughout the world. The company is intimately familiar with the capture, control and compliance hurdles that processing plants face with regards to volatile organic compounds, hydrogen cyanide (HCN), ammonia, silicone, nitrogen oxides (NOX), styrene and odorous emissions. Anguil designs, manufactures services and installs energy-efficient Regenerative Thermal Oxidizers (RTOs) as well as Direct-Fired for carbon fibre ovens and furnaces. We offer the best environmental performance documented in this industry with increased uptime and limited downtime.

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## **ARGOSY INTERNATIONAL INC. - Hall 6 - K18**

**Website:** [www.argosyinternational.com](http://www.argosyinternational.com)

**Product activity:** Argosy serves a diverse group of markets but concentrates on aerospace, automotive, tooling and prototyping for industry and electronics. Products include specialty chemicals, tooling resins, adhesives, coating, potting compounds, specialty tapes, film adhesives, honeycomb, sealants, prepregs and high-performance fabrics. Argosy's range of services includes material cutting and kitting, Vendor Managed Inventory (VMI) distribution, logistics, energy efficiency through comprehensive green building services, production optimization software, and technical support. Argosy's unique approach with composites manufacturing services focuses on creating value for customers by optimizing costs, production efficiency, and material utilization.

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## **ASCENT AEROSPACE - Hall 5 - R68**

**Website:** <https://ascentaerospace.com>

**Product activity:** Ascent Aerospace is the market leader in the design and manufacture of Invar and composites tooling systems. At our Coast Composites facility in California, we produce high-quality tools used in the last-generation airframe and stiffener parts and have supplied virtually all the major aerospace composite programs. With more than 25 years of experience, Ascent understands the tooling needs of OEM, Tier 1 and Tier 2 manufacturers in the commercial aerospace, business aviation, defence, space launch and satellite industries. We provide innovative designs, exceptional quality, and on-time delivery. Ascent Aerospace also provides complete solutions for tool design and stress analysis.

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## **ASTROSEAL PRODUCTS MFG CORP - Hall 6 - U35**

**Website:** <http://www.astrosealproducts.com/>

**Product activity:** The standard product line for Astrostrike® LSP screening includes a variety of patterns and configurations in both copper and aluminum. Other materials such as titanium,

stainless steel and polyimide films have also been processed for special applications. For any specific material, the weight or mass of Astrostrike® screening can be varied by changing the thickness of the original foil or by adjusting the amount of open area of the finished product. Foil thickness can range from 0.002" to 0.015". Open area can be varied between 10% to 85%, resulting in weight of finished product as low as 0.01 lbs./sq. ft. Products are normally supplied on continuous rolls in standard widths of 24" 31" or 36".

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## **AUTOMATED DYNAMICS - Hall 6 - P50d**

**Website:** <http://www.automateddynamics.com/>

**Product activity:** For over 30 years, Automated Dynamics has been a global leader in automated composite production. We specialize in the manufacturing of high-performance composite structures and the development of advanced automation equipment. Using a true out-of-autoclave (OoA) process, we bring additive manufacturing to continuous-fibre thermoplastic composite parts, saving weight and improving reliability in today's most demanding engineering environments.

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## **AXEL PLASTICS RESEARCH LAB - Hall 5 - G16**

**Website:** <https://axelplastics.com>

**Product activity:** AXEL Plastics has served the plastics industry for more than 75 years formulating, producing, and supplying ;mould release agents and process aid additives/internal mould releases. AXEL manufacturers solvent-based, water-based, and semi-permanent release agents, sacrificial release agents, sealers, cleaners and stripping agents. All the products comply with REACH and Asian inventory registrations. We also have an extensive network of international distributors.

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## **BALLY RIBBON MILLS - Hall 6 - M73**

**Website:** <https://www.ballyribbon.com/>

**Product activity:** BRM develops and manufactures engineered 3D woven and braided products. BRM also fabricates composite parts by film resin infusion, RTM and VARTM processes. The 3D woven performs/composite structures include near-net-shape architectures, joints, multi-layered materials, aircraft engine part such as outlet guide vanes (OGV), engine casings, contour and polar-shaped structures. BRM manufactures 3D woven ablative thermal protection systems (TPS) for various NASA programmes. In addition, BRM supplies composite aircraft aerodynamic control systems such as an aircraft elevator that was 3D woven and fabricated by LCM "one-shot" process. The 3D woven structures utilize through-the-thickness, orthogonal and layer-to-layer weaving techniques.

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## **BARRDAY COMPOSITE SOLUTIONS - Hall 5 - P24**

**Website:** <http://www.barrday.com/>

**Product activity:** Barrday is a leading North-America-based advanced material solutions company whose products lines encompass applications for the composite, energy and protective markets. Our growth strategies are based on developing technologically advanced fibre reinforcement, prepreg and other material solutions for our customers in the aerospace, military/defence, transportation, energy and protective markets. Barrday has a manufacturing and sales protective in North-America and Europe. We have developed expertise and performance differentiation in the following areas: Woven reinforcements - Thermoplastic tapes and semi-prep - Thermoset prepreg systems - Adhesive films and specialty tapes.

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## **BLUESHIFT - Hall 6 - K85**

**Website:** <https://www.blueshiftmaterials.com/>

**Product activity:** Blueshift International Materials was founded in 2013 to commercialize state-of-the-art lightweight materials. Our initial product launched in 2015, AeroZero®, is the first commercially available polyimide aerogel in the world. Its creation derives from customer demand for a clean, lightweight, small-footprint insulation material. Blueshift operates out of 5,000 sq. ft. state-of-the-art facility in San Marcos, TX. We have additional locations in San Antonio and New Braunfels, TX. These facilities have multiple wet, dry, and applications development laboratories dedicated to polymer aerogel research and development.

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## **BONDTECH CORPORATION - Hall 6 - D49**

**Website:** <http://www.bondtech.net/>

**Product activity:** Bondtech is a full service company designing, engineering and manufacturing autoclave systems, with material handling, for technical industries such as infectious medical waste treatment, aerospace composites, glass lamination, rubber vulcanizing, wood treating, yarn setting and many other applications in industry and medical waste management. Bondtech's autoclaves are designed to meet each individual customer's application and budget. Consulting services are available. Bondtech's experience in various industries allows for a higher knowledge of customer's technical requirements. The reliability and dependability which is a must in the aerospace industry is a must in all of Bondtech's autoclaves.

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## **BRYANT UNIVERSITY - Hall 6 - P50b**

**Website:** <https://www.bryant.edu/about/centers-and-institutes/john-h-chafee-center-for-international-business/>

**Product activity:** The John H. Chafee Center for International Business at Bryant University is uniquely poised to help your firm enter the U.S. market. We are strategically partnered with the state of Rhode Island to provide customized solutions to bring your product/service to the U.S.

market. A Center of Excellence in International Business, Bryant university is a highly regarded university with prestigious national and international rankings, top accreditations, and strategic affiliations.

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## **C. A. Litzler Co., Inc./PSC - Hall 6 - R31a**

**Website:** <https://calitzler.com/>

**Product activity:** Litzler manufactures a wide range of custom machines for the composites industry. For carbon fibre production, Litzler supplies oxidation ovens with the patented G5 end-seal, plasma oxidation ovens, and complete carbon fibre lines including roll stands, tension stands, sizing and surface treatment. Complete line coordination with Litzler automation drives and controls. Litzler manufactures all major types of prepreg machinery: solution, hot melt and thermoplastic systems for both fabric and UD tape. Metering rolls feature up to 0.00005 inch (0.0127 mm) TIR precision and complete control systems with the latest designs. Hot melt and thermoplastic machines feature unique compaction rolls that offer precision tolerances and low deflection while incorporating high PLI performance loading. Litzler offers lab, pilot and production-scale machines.

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## **C.R. ONSRUD - Hall 6 - P46c**

**Website:** <http://www.cronsrud.com/>

**Product activity:** C.R. Onsrud delivers the advantage of tailor-made, CNC machining solutions for a growing list of innovative, global aerospace manufacturers. We offer a range of platform sizes suitable for 3, 4 or 5+ axis manufacturing operations, including many engineered for special functionalities and conditions. Onsrud provides the benchmark for service & support, standing behind our high-performance products for the lifetime of cutting they will deliver under the toughest environments. Call today!

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## **CFOAM ® - Hall 6 - P32c**

**Website:** <http://www.cfoam.com/>

**Product activity:** CFOAM LLC is the "World's leading producer of carbon foam." Our innovative technology is enabling progress in advanced applications for a variety of market needs including thermal management, aerospace, defence, composite tooling, fire resistance and more for our customers.

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## **CLICK BOND INC. - Hall 5 - P16**

**Website:** [www.clickbond.com](http://www.clickbond.com)

**Product activity:** Click Bond designs and manufactures fasteners optimised for adhesive attachment to structures including rivetless nutplates, studs, standoffs, brackets, cable-tie mounts, bushings, and sleeves for hole repair and protection. All Click Bond fasteners

incorporate a unique installation fixture that promotes accurate positioning and maintains consistent clamp-up of the bondline during cure to ensure optimum bond strength. Click Bond takes pride in assisting manufacturers and maintainers using bonded fastener technology to preserve structural characteristics, extend product life, reduce labour costs, and streamline manufacturing processes.

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## **COAST COMPOSITES - Hall 5 -R68**

**Website:** [www.coastcomposites.com/](http://www.coastcomposites.com/)

**Product activity:** Coast Composites, an Ascent Aerospace company, is the market leader in the design and manufacture of complex Invar and tooling systems. We produce high-quality tools used in the latest-generation airframe manufacturing for composite fuselage, wings, frames and stiffener parts, and moulds for virtually all the major aerospace composite programmes. Coast Composites specializes in Invar tooling for composite manufacturing, composite tooling for composite aerostructures, small aerospace tools, high-speed -axis machining, prototype tools, graphite tools, and fibre glass tools. Coast can also provide complete solutions for tool design and stress analysis.

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## **COMPOSITES ALLIANCE OF RHODE ISLAND - Hall 6 - P50b**

**Website:** <http://ricomposites.com/>

**Product activity:** Rhode Island is home to over 70 companies representing all aspects of the composites industry – from manufacturers to product weavers, mould builders, suppliers, and educational & training providers. The state is strategically located inside the US Northeast corridor, between New York and Boston. The Composites Alliance of Rhode Island works to grow this sector and ensure purchasers of composites technology around the world know about the strong capabilities resident in the state.

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## **COMPOSITES HORIZONS, INC. - Hall 6 - N6**

**Website:** <http://chi-covina.com/>

**Product activity:** Composites Horizons specializes in composite structures and assemblies for aerospace, medical, industrial and automotive applications. Primary focus is on high-temperature composites such as BMI, polyimides and oxide-oxide CMC (ceramic-matrix-composites) for engine, nacelle, and exhaust applications.

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## **CONCORDIA FIBERS - Hall 6 - R31e**

**Website:** <http://www.concordiafibers.com/>

**Product activity:** Concordia Fibers pioneered commingling carbon fibre with thermoplastic fibres to produce thermoplastic prepregs for manufacturing advanced thermoplastic Composites. The thermoplastics Concordia uses include PEEK, PPS, PA6, PA12, and PEI.

Applications range from aerospace to sporting goods. Concordia also twists carbon fibre for weaving 3D preforms. An ISO 9001:2015 company, Concordia is committed to producing quality products with excellent customer service.

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## **CORELITE INC - Hall 6 - R18**

**Website:** <https://www.corelitecomposites.com/>

**Product activity:** CoreLite manufactures revolutionary structural balsa and foam materials. Our composite core materials have been engineered to increase performance and help our customers gain more competitive advantage by saving them weight and costs. Complete vertical integration enables us to do just-in-time delivery for you. We offer foam board and PET foam core products, which enable us to deliver the right core material solution for your particular needs. CoreLite offer custom kits for a wide variety of materials.

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## **CVC THERMOSET SPECIALTIES - Hall 5 - M69**

**Website:** [www.cvc.emeraldmaterials.com/](http://www.cvc.emeraldmaterials.com/)

**Product activity:** CVC delivers the latest innovations in resins, curatives, accelerators, toughness and reactive modifiers. Visit us at stand T27, Hall6 to learn about Hypro® Reactive Liquid Polymers, EPALLOY® and HyPox® epoxy resins, ERISYS® reactive modifiers and OMICURE® accelerators. CVC continues to expand our capabilities for a wide range of applications, optimising the desired performance features, increasing R&D and solving the toughest challenges today's formulators can face. Our materials are key components in the most critical end-use environments, performing at extreme temperatures and pressures, optimising productivity, improving toughness and flexibility and resisting chemicals, impact, fuels and UV. Learn more at [www.cvc.emeraldmaterials.com](http://www.cvc.emeraldmaterials.com)

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## **DEXMET CORPORATION - Hall 5 - B63**

**Website:** [www.dexmet.com](http://www.dexmet.com)

**Product activity:** Dexmet manufactures precision expanded metal foils and polymers for applications in power generation, industrial, structural, filtration, chemical, automotive and lightning strike protection. Dexmet also provides custom processes and variations to the expanded material. The Dexmet Quality System is ISO 9001:2008 and AS9100 certified. dexmet is based in Connecticut and has over 60 years of experience in producing quality expanded precision materials. Dexmet develops thin and lightweight precision expanded copper and aluminium that meet the specifications of aerospace and wind generation applications. Precision MicroGrid® materials from Dexmet are the industry standard for expanded materials used in lightning strike protection.

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## **DIVERSIFIED MACHINE SYSTEMS (DMS) - Hall 6 - G71**

**Website:** [www.dmscncrouters.com](http://www.dmscncrouters.com)

**Product activity:** With more than 35 years of manufacturing experience that touches every industry and vertical market, Diversified Machine Systems is a reliable CNC manufacturer and knowledge partner that empowers its clients to implement highly successful manufacturing processes and solutions.

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## **DIXIE CHEMICAL - Hall 6 - M76**

**Website:** <https://www.dixiechemical.com/>

**Product activity:** Dixie Chemical is a leading producer of epoxy curing agent and specialty chemicals for the thermoset and composite markets. Dixie offers a broad range of anhydride curing agents, reactive diluents, tougheners, resins and bio-based thermoset. Dixie's line includes modified anhydrides, which combine the added performance benefits of accelerators, tougheners and platform, we partner with you to advance technologies and bring them to the market. Dixie is ready to provide a custom solution for you process, including on-site technical service.

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## **DUNSTONE COMPANY, INC - Hall 6 - G17**

**Website:** <https://www.shrinktape.com/>

**Product activity:** The Dunstone family of products helps companies solve problems in the processing of advanced composite materials. Our specialty is heat-shrinkable films. From Hi-Shrink Tape, designed to apply compaction forces to curing parts, to FEP Hi-Shrink Tubing for release coating tooling, to shrinkable and non-shrink release films, Dunstone has focused a product line, designed to make your composite processing easier. We have products specifically designed for the advanced composites market, including oil & gas, sporting goods, wind energy and the aerospace market. Contact us to discuss your application and we can recommend the best product to suit your needs.

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## **EASTMAN MACHINE COMPANY - Hall 6 - D51**

**Website:** <https://www.eastmancuts.com/>

**Product activity:** Eastman Machine Company is a leading manufacturer of manual cutting machines, automated cutting systems, spreading and material handling systems, and software. Eastman improves cutting room efficiencies and increases profits by reducing material waste and labour costs for professionals in the composite, marine, aerospace, automotive, industrial fabric, and sporting goods industries. Since its establishment in 1888, Eastman has maintained its commitment to manufacturing durable cutting machines, productive solutions and providing

personalised support and expertise. Eastman services hundreds of thousands of customers in almost every country from its headquarters in Buffalo, NY, and through distributors around the world.

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## **ELECTROIMPACT - Hall 5 - N56**

**Website:** <https://www.electroimpact.com/>

**Product activity:** Electroimpact is a highly experienced provider of composite lay-up and assembly factor automation, integrating automation and tooling into synergistic production solutions. We have a full-time staff of hands-on design engineers which is second to none in the industry, offering an unrivalled attention to detail. This also enables us to resolve issues very quickly for customers as they arise. Furthermore, we are situated on a campus which includes multiple buildings and facilities, allowing us the flexibility of taking-on numerous very large projects at one time. This unique approach has resulted in Electroimpact growing to become the largest integrator of aircraft assembly lines in the world.

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## **ELEMENT MATERIALS TECHNOLOGY - Hall 6 - C77**

**Website:** <https://www.element.com/>

**Product activity:** As one of the largest materials testing providers in the world, Element's material testing laboratories span the US and Europe with 29 laboratories and 1,600 engaged experts providing material testing to clients globally. From materials selection and R&D, quality control and production testing, through to in-service challenges such as failure analysis, our engaged experts work tirelessly to solve your most complex technical challenges from traditional metals to polymer matrix composites (PMCs), ceramic matrix composites (CMCs), additive manufactured materials as well as innovative and super alloys. Specialties include mechanical testing, flammability testing, thermal analysis, and electrical properties testing.

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## **ENGINEERING TECHNOLOGY CORPORATION - Hall 5 - E14**

**Website:** [www.entec.com/](http://www.entec.com/)

**Product activity:** Formed in 1962, Engineering Technology Corporation has over 50 years of experience in the filament winding industry and has supplied over 750 filament winding systems to customers worldwide. The capabilities of Engineering Technology have evolved to include the manufacturing of machinery for fibre placement, pultrusion and a number of their specialties. In March 2014, Engineering Technology was acquired by Toray Group. Today, new management has joined forces with a dedicated team of engineers to streamline operations. New processes have been put into place to boost quality control, thereby helping customers to evolve and expand their businesses, providing support from product development to complete automation of manufacturing systems.

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## **ES MANUFACTURING INC. - Hall 6 - P50a**

**Website:** <http://esmfg.com/>

**Product activity:** The world's largest manufacturer of tools for the fibreglass and composite industries. Products include over 1000 different laminating rollers including thin fin, long groove, slotted paddle, bristle, aluminum, plastic, radius barrel, filet corner, bubble buster, quick release, economy and deluxe. Other products include spray guns, chopper guns, drum mixers, fibre cutters, micron gauges, laminate gauges, MEKP dispensers, demoulding wedges, scissors, and various accessories.

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## **FIBER MATERIALS INC. - Hall 6 - P32b**

**Website:** <https://fibermaterialsinc.com/>

**Product activity:** FMI designs, develops, & manufactures composite materials & components that perform in demanding applications & extreme environments. Our core strength is the ability to weave the most intricate fiber reinforcement designs & convert them to products which perform beyond the capabilities of conventional composites, ceramics, & metals. Leveraging this technology, we have grown to be a leading supplier of propulsion hot components & thermal protection materials in the aerospace industry.

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## **FIBERGLASS SUPPLY - Hall 6 - R45c**

**Website:** [www.fiberglasssupply.com](http://www.fiberglasssupply.com)

**Product activity:** Fiberglass Supply is a composite technology company established in 1982 that specializes in process development and material supply for the many different industries that utilize composites in their manufacturing processes. We provide Research and Development services, specializing in infusion related processes, Composite Tooling, CAD modeling and design, process design, training programs, full stock inventory of composite materials and processing supplies.

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## **FINISH KARE PRODUCTS, INC. - Hall 6 - P46g**

**Website:** <https://finishkare.com/>

**Product activity:** For nearly 40 years, Finish Kare has been manufacturing a complete line of premium mould release products. Our line starts with cleaners and sealers to prepare your mould and continues with wax and non-wax based (semi-permanent) mould release agents for multiple easy releases for optimum performance. It finishes with compounds and polishes that easily restore used and old moulds.

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## **GABRIEL PERFORMANCE PRODUCTS - Hall 6 - P32d**

**Website:** <https://www.gabrielchem.com/>

**Product activity:** Gabriel Performance Products is a market leader in epoxy curing agents and phenoxy resin manufacturing. We produce epoxy curing agents based on polyamide and polymercaptan technology. These products find use in CASE markets as well as composite applications. Gabriel is the leading manufacturer of phenoxy resins. Phenoxy resins are used as coatings and as additives for many polymer systems. Our products are sold under the Versamid, Capcure, Gabepro and Phenoxy PK brand names.

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## **GENERAL PLASTICS MANUFACTURING - Hall 6 - R45c**

**Website:** <https://www.generalplastics.com/>

**Product activity:** General Plastics manufactures and supplies polyurethane foam products and built-to-print composite parts. Through the company's network of distributors, the company exports products to more than 25 countries for the aerospace, defense, nuclear containment, composite core, construction, testing, marine and subsea industries. GP's products are manufactured according to ISO 9001:2008/AS9100C and meet such demanding quality systems such as NQA-1, MIL-I-45208A, and Boeing Company D6-82479.

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## **GLOBAL FIBERGLASS SOLUTIONS - Hall 6 - R45c**

**Website:** [www.global-fiberglass.com](http://www.global-fiberglass.com)

**Product activity:** Global Fiberglass Solutions Inc. is an internationally operating industrial recycling and green manufacturing firm headquartered in Bothell, Washington. We focus on the growing demand for resource recovery of recyclable materials such as fiberglass and carbon fiber and create recycled products through a proprietary system. Our goal is to reduce the carbon footprint of industry players throughout the US, Europe and Asia while adding new growth through product manufacturing.

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## **GLOBE MACHINE MANUFACTURING COMPANY - Hall 6 - R31d**

**Website:** <http://www.globemachine.com/>

**Product activity:** Globe Machine engineers and manufactures high capacity automated manufacturing systems for conversion of a multitude of composite materials utilized in a variety of applications. Globe's patented RapidClave@cure technology offers a vastly improved and flexible process environment that has been demonstrated to achieve industry-leading fast cycles, as well as tightly controlled temperature gradients in complex laminates. Globe's formatting and conversion process equipment is enabling highvolume adoption of continuous fiber reinforced thermoplastic (CFRT) tape, empowering composite structural engineers to design parts of improved mechanical properties and mass savings. Globe designs and manufactures systems for a wide range of industries.

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## **GTI TECHNOLOGIES INC - Hall 5 - M52**

**Website:** <https://gti-usa.com/>

**Product activity:** GTI is showing the Takatori Robot Wire Saw, a new way to cut core materials, carbon fibre panels, and more using thin diamond-coated wire. Diamond wire cutting reduces kerf loss, reduces particle generation, reduces hand finishing, and improves quality.

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## **HARPER INTERNATIONAL - Hall 6 - C49**

**Website:** <https://www.harperintl.com/>

**Product activity:** Harper International is the world's most trusted partner in thermal processing technology for carbon fibre. Our expertise spans from research scale Microline™ systems to large scale production lines. As the leader in fully integrated process lines, including advanced oxidation ovens and LT, HT and UHT furnaces, we incorporate the latest advancements to carbon fibre processing to ensure faster oxidation, improved velocity uniformity and range, rates, and optimal control of the reaction, ultimately enhancing fibre quality. Harper's distinction is in our exceptionally skilled expert staff and unique ability to link process steps to ensure the most efficient performance possible.

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## **HEATCON COMPOSITE SYSTEMS - Hall 6 - R45c**

**Website:** <https://www.heatcon.com/>

**Product activity:** HEATCON Composite Systems is a leading manufacturer of hot bonders and supplier of composite repair equipment and materials. For over 35 years, the aerospace industry has relied on our equipment and services to repair composite flight controls and other main aircraft parts. As an ISO 9001:2008/AS9100C/AS9120A certified company, we uphold quality in our products and in our technical services for our customers. Stop by booth #R45C to learn how we can help with your composite repair needs.

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## **HIGHLAND COMPOSITES - Hall 5 - N21**

**Website:** <https://www.highlandindustries.com/capabilities/composite-structures/>

**Product activity:** Highland Composites offers a full range of production capabilities - from design and prototyping to scaled manufacturing. Our state-of-the-art facility produces finished goods and performs by: - Standard & over-braiding (exclusive Eurocarbon license); - Filament winding (up to 2.5 ft dia x 24 ft length); - Automated ply cutting and kitting; - Materials & process selection; - Part modelling (CATIA V5 & Solidworks) & mould tooling design. We are AS9100 certified and ITAR registered. Your toughest challenge is our next breakthrough. Let Highland turn your part challenges into high-performance products. Our engineers don't just fabricate solutions - we invent them.

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## **HYPERCOMP ENGINEERING INC. - Hall 6 - R49d**

**Website:** [www.hypercompeng.com](http://www.hypercompeng.com)

**Product activity:** HEI does design, analysis, development and fabrication of composite pressure vessels. The applications range from commercial and military aerospace, offshore oil and gas, medical, and recreational to industrial gas infrastructure. Ultra-high pressures, exceptional cycle life and extreme operating environments typify many of our clients' technical challenges.

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## **INGERSOLL MACHINE TOOLS INC - Hall 5 - N64**

**Website:** <http://www.camozzimachinerytools.com/en/camozzigroup/machine-tools/home>

**Product activity:** Ingersoll completed its range of fibre and tape placement machines with the full development of robotic processes for medium sized parts. Meanwhile, the high productivity horizontal and vertical Lynx® and Mongoose® series have proven capabilities on dry fibers and BMI prepreg applications. All processes can be inspected after deposition by the use of the ACSIS Automated System®, basic for part quality certification. The new frontier that Ingersoll designers are challenging is additive manufacturing applied to large and very large dimensions. The mould business will be revolutionized by fast and low cost manufacturing of high quality units directly made in workshops. This application is the natural complement to large FP and ATL machines.

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## **INNEGRA TECHNOLOGIES - Hall 6 - M86**

**Website:** <http://www.innegrates.com/>

**Product activity:** Innegra Technologies, headquartered in Greenville, South Carolina, is an advanced materials company that delivers innovative high performance fibers that improve the performance of composite and textiles applications. Innegra™ S (HMPP) is lightweight, tough, durable, hydrophobic, and recyclable. Innegra Technologies has an extensive patent portfolio in the US and Europe. When Innegra™ is combined with high modulus fibers in composite applications, weight can be reduced, impact resistance and damage tolerance improved, expanding the performance of existing materials.

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## **IST - INDUSTRIAL SUMMIT TECHNOLOGY - Hall 5 - M84**

**Website:** <http://www.istusa.com/>

**Product activity:** Applying new technologies to conventional materials will create entirely new functions - that is the driving idea behind "functional materials". With I.S.T's proprietary technologies, "high added value" materials are transformed into "super added value" functional materials. With a focus on everything from modern devices to future devices, I.S.T's business matrix in functional is constantly growing.

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## **IZUMI INTERNATIONAL INC - Hall 5 - M78**

**Website:** <https://www.izumiinternational.com/>

**Product activity:** Izumi International, Inc. was founded in 1977 in Greenville, South Carolina. We supply creels, carbonization furnaces, and take-up winders for carbon fibre production lines, as well as lab-scale pilot lines. Equipment for weaving, pultrusion, pre-pregging, and other downstream operations services is also available. Izumi maintains trained, experienced sales staff ready to assist you in English, Japanese, or Spanish. Mechanical and electrical engineers on our staff can aid you in selecting the perfect component to match your needs or help you to design an entirely custom machine built to your unique specifications.

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## **JANICKI INDUSTRIES - Hall 6 - R45c**

**Website:** <https://www.janicki.com/>

**Product activity:** Janicki Industries is an engineering and manufacturing company with facilities in Washington and Utah, USA. Janicki specializes in parts, prototypes and tooling for Aerospace made of composites and metals. Janicki is capable of largescale projects, utilizing high-precision five-axis mills, nondestructive testing, autoclave, and R&D Lab. We have extensive experience in composite systems, such as: 160° F machined putty; 250° F carbon/fiberglass hybrid molds; 350° F carbon molds; and 350° F invar molds. This 100% in-house capability enables a one-stop shop for customers.

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## **KAMAN Aerosystems - Hall 6 - P46e**

**Website:** <http://www.kaman.com/aerosystems>

**Product activity:** Kaman Aerosystems is a leading designer and manufacturer of advanced composite and metallic aerostructures and tooling for civil and military platforms. Sites in the USA, UK and India total 800+ employees, 600,000 sq ft floor space, 16 autoclaves. All sites are ISO9001, AS9100 and Nadcap accredited. Products include aircraft doors, flight control surfaces, winglets, lightweight fairings, radomes, electronic enclosures, helicopter rotor blades, etc.

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## **LEESONA - Hall 5 - Q82**

**Website:** <http://www.leesona.com/>

**Product activity:** Leesona is a 125 year old USA manufacturer of precision high quality winders and related equipment. Leesona manufactures take-up winders, re-winders plus winders for spool/parallel winding of flat tapes and films. Leesona offers a patented re-winding system for producing zero-catenary tows with up to 32 ends. Leesona also manufactures tension controlled un-rolling creels and ambient or heated roll stands for high performance yarns/materials. For the carbon fibre industry, Leesona winders for PAN precursor with a wide range of options and

configurations. Package weights to 600kg. Leeson also provides take-up winders and re-winding systems for carbon fibre yarns and tows.

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## **LINDAU CHEMICALS - Hall 5 - M23**

**Website:** <http://www.lindau.net/>

**Product activity:** Producer of epoxy curing agents.

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## **MAFIC - Hall 5 - M95**

**Website:** <https://www.maficbasalt.com/about.php>

**Product activity:** Mafic SA was formed in 2012 for the production of advanced materials for the composite industry. Mafic has manufacturing facilities in North America and Europe producing continuous and chopped basalt fiber as well as long fiber thermoplastic (LFT) resins.

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## **MAGNA EXTERIORS - Hall 6 - M5**

**Website:** <https://www.magna.com/capabilities/exterior-systems/about-magna-exteriors>

**Product activity:** Recognized globally as an innovator in all aspects of vehicle exteriors, Magna provides everything needed, from materials development and design through manufacturing and assembly, to create sleek, state-of-the-art vehicles across the world. A leader in light weighting and composites, Magna Exteriors works with automakers to lower emissions and improve fuel economy without sacrificing the styling and performance consumers demand.

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## **MAGNUM VENUS PRODUCTS - Hall 5 - V42**

**Website:** <http://www.mvpind.com/>

**Product activity:** Magnum Venus Products (MVP) is the premier manufacturer of composite application equipment. MVP products consist of pumping systems, spray guns, filament winding systems, and much more. MVP serves a multitude of manufacturers in a variety of industries such as automotive, aerospace, transportation, marine, railway, oil & gas, wind turbines, among many others. Along with our systems designed for composite application, MVP also has equipment that supports the foam and polyurethane industries, along with polyurethanes, adhesives, and epoxies. Magnum Venus customers, delivering highly customized solutions that support their manufacturing needs.

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## **MAINE COMPOSITES ALLIANCE - Hall 6 - P32b**

**Website:** <https://www.maine-composites-alliance.org/>

**Product activity:** Maine Composites Alliance (MCA) is an association of composites companies in Maine, United States focused on education, applied research and development and workforce development. MCA operates the Composites Engineering Research Lab (CERL).

It is the most advanced polymer characterization lab in the North East United States. CERL is focused process improvement, analytical testing and polymer engineering.

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## **MAINE INTERNATIONAL TRADE CENTER - Hall 6 - P32b**

**Website:** <http://www.mitc.com/>

**Product activity:** Maine International Trade Center (MITC) helps Maine businesses enter and expand global markets for their products and services. MITC offers one-on-one consulting and research, affordable group trade show participation, connections around the world, export reimbursement funds for small businesses, and more. Leveraging overseas synergy, MITC also works to increase international student attraction and foreign investment.

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## **MAINE MARINE COMPOSITES - Hall 6 - P32b**

**Website:** <http://www.mainemarinecomposites.com/>

**Product activity:** Maine Marine Composites is an ocean engineering firm specializing high speed craft, offshore energy, marine hydrokinetic systems, offshore wind, seakeeping analysis and general marine matters.

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## **MASTER APPLIANCE CORP. - Hall 6 - R45a**

**Website:** <https://www.masterappliance.com/>

**Product activity:** Designers and manufacturers of electric heat guns, electric heat blowers, butane-powered soldering irons, torches and glue guns. The patented Master Proheat STC® heat guns provide surface temperature sensing and control, with electronically integrated IR sensor and laser targeting, ideal for use with prepreg materials.

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## **MCCLEAN ANDERSON - Hall 6 - C52**

**Website:** <http://www.mccleananderson.com/>

**Product activity:** Since 1961, McClean Anderson has been a world leader of advanced filament winding equipment. We have achieved this status by listening to the voice of customers and adapting to their unique needs and specific filament winding processes. We have contributed to the advancement of composites by providing innovative and cost-effective filament winding equipment solutions. We develop, manufacture and support a wide variety of advanced filament winding equipment. McClean Anderson filament winding systems feature multiple winding configurations, electronic tensioning systems, programming software, resin baths and extractors. McClean Anderson can provide a complete package - from R&D test winding, onsite training to installation of equipment.

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## **MCCOY - Hall 6 - P32e**

**Website:** <http://mccoy-usa.com/>

**Product activity:** McCOY is a 50+ year old machinery manufacturing & design company that focuses on composite fiber delivery systems, creels and tensioning equipment. We manufacture creels for pre-preg, weaving, brading, coating, pulltrusion, and specialty applications. McCOY is also the North American sales, service, and support center for Airbond Splicers and Protechna quality control equipment.

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## **METTON AMERICA INC - Hall 5 - E34**

**Website:** <http://www.metton.com/>

**Product activity:** Metton America, Inc. manufactures Metton liquid moulding resins and distributes internationally through the Sojitz Corporation's global network. Metton LMR is a DCPD (dicyclopentadiene) based reaction injection moulded thermoset polymer with the toughness and durability of engineering thermoplastics. Metton LMR starts as a two-component reactive system with water-like viscosity. The low cavity pressure allows parts up to 11 sq. meters and more than 100 kg in weight. Prototypes can be moulded with inexpensive closed moulds and production moulds are typically aluminum. Part thicknesses up to 30 cm can be varied and metal inserts are an option. Class A surfaces can be achieved along with excellent adhesion to paint and structural adhesives.

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## **MICHIGAN ECONOMIC DEVELOPMENT CORPORATION -**

**Website:** <https://www.michiganbusiness.org/>

**Product activity:** From manufacturing resources and capabilities to talent, Michigan offers everything you need to make your aerospace business soar. We're a leader in materials R&D with Lightweight Innovations for Tomorrow (LIFT) and the Institute for Advanced Composite Manufacturing Innovation (IACMI). Plus we've got the largest concentration of electrical, mechanical and industrial engineers in the nation. Michigan's business climate is one of the most favorable in the Midwest. We eliminated personal property tax, which significantly reduces costs for companies that have expensive capital investments in equipment. And we're consistently ranked among the top 10 states for major new and expanding facilities. In fact, about two thirds of all Michigan businesses would recommend our state as a place to start a business.

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## **MITSUBISHI CHEMICAL CARBON FIBER AND COMPOSITES, Hall 6 - M65**

**Website:** <http://mccfc.com/about/>

**Product activity:** Mitsubishi Chemical Carbon Fiber and Composites (MCCFC) is composed of several companies, but at its core there are two. In April 2013, two Californian companies, Grafil, a carbon fiber manufacturer in Sacramento and Newport Adhesives and Composites, a prepreg manufacturer in Irvine, were merged to create Mitsubishi Rayon Carbon Fiber and Composites (MRCFAC); then in 2017, we re-branded to MCCFC

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## **MTS SYSTEMS CORP -**

**Website:** <http://www.mts.com/en/index.htm>

**Product activity:** To develop the next generation of lightweight and efficient materials and structures, researchers worldwide turn to MTS to help characterize innovative composite materials. MTS understands the complexities of composites tests, which typically require analysis of material behaviour under exacting mechanical loads and displacements, and incorporate multiple methods of measuring and collecting data. In the near future, composite materials tests will require greater fidelity, more detailed measurement techniques, and tighter integration with computer models. MTS provides durable and versatile load frames, highly scalable digital controls, and powerful software to meet your testing needs today and tomorrow.

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## **MULTIMECHANICS - Hall 6 - R49b**

**Website:** <https://multimechanics.com/>

**Product activity:** MultiMechanics develops software that enables virtual testing of materials at an unprecedented level of speed and accuracy. Our tool enables innovation in complex materials and is used by leading companies in several industries to save millions of dollars in product development costs.

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## **N12 TECHNOLOGIES INC - Hall 6 - K28**

**Website:** <http://www.n12technologies.com/>

**Product activity:** N12 NanoStitch is an interlaminar toughening and reinforcement product, based on large format vertically-aligned carbon nanotube (VACNT) sheets. Because N12 has pioneered a continuous production system for industrial-scale manufacturing of N12 NanoStitch, we can meet the market demand for high-performance composites in sporting and consumer products, infrastructure, automotive and aerospace. The use of Nanostitch inside composite structures suppresses delamination, which in turn causes higher-level durability and structural efficiency. N12 Surface Layer System SLS provides tailorable resistive surface heating and

thermal heat dispersal over large areas, with the added functionalization for structural health monitoring.

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## **NEW ENGLAND BOATWORKS - Hall 6 - P50b**

**Website:** <http://www.neboatworks.com/>

**Product activity:** New England Boatworks, Inc. has built a reputation as a “CANDO” company. Whether building a race boat, building a composite clock tower and delivering it to NYC, or designing and fabricating composite and metal assemblies and components. NEB offers a range of services including: autoclave cured composite components, construction of architectural structures, construction of yachts, design and engineering services, 3d Scanning, 5 axis machining.

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## **NDT SYSTEMS INC - Hall 5 - S70**

**Website:** <https://www.technologydesign.com/>

**Product activity:** Technology Design specialises in the design, development and manufacture of state-of-the-art Ultrasonic data acquisition systems. We also combine Phased Array, ToFD and Pulse Echo into a convenient and powerful range of instruments. These are designed to suit the widest spread of applications and are supplied worldwide.

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## **OLIN EPOXY – Hall 5 – G33**

**Website:** <https://olinepoxy.com/>

**Product activity:** As the No. 1 global supplier of epoxy materials for many industries, like Wind Energy manufacturing, we are large enough, yet agile enough, to scale to your particular manufacturing and environmental needs. This means providing lightweight and high-strength systems that account for: -Thermoset -Infusion -Hand wet layup -Tooling & adhesives -Harsh environments -Integration requirements. We are true experts in the formulation and application of epoxy products. So we always provide you with the local know-how and world-class resources you need to achieve the desired: Viscosity, Reactivity, Gel time, Cure rate, Chemical resistance, Wear resistance, Adhesion.

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## **OPTIMUM COMPOSITE TECHNOLOGIES, LLC - Hall 6 - R49d**

**Website:** <http://www.optimumct.com/>

**Product activity:** Optimum Composite Technologies, LLC is located in Brigham City, Utah in the United States. Optimum is a filament winding company that specialises in the design and manufacturing of Type 3 and Type 4 composite overwrapped pressure vessels. CNG, SCBA, and hydrogen vessels are some examples of Optimum's capability. Optimum's largest filament winder can wind parts up to 9.8 metres long and 77 cm in diameter. Optimum also has patents on Type 4 polar boss technology.

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## **ORBITAL ATK AEROSPACE STRUCTURES - Hall 6 - T77**

**Website:** <https://www.orbitalatk.com/flight-systems/aerospace-structures/>

**Product activity:** Aerospace Structures is a world leader of mission-critical composite structures for the aerospace and defense industries. With over 50 years of experience, we used advanced manufacturing technologies to produce lightweight and reliable structures for three distinct business areas: commercial and military aircraft programmes and launch programmes. The common thread amongst these is the application of composites to deliver structures that exceed our customer expectations. Whether it's the skeletal structure of the Airbus A350XWB airframe, the wing skins of the F-35, or the composite fairings for the Delta II & IV launch vehicles, our commitment remains the same - delivering affordable, high-quality composite structures on-time, every time.

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## **PARK ELECTROCHEMICAL CORP. - Hall 5 - D21**

**Website:** <https://parkelectro.com/>

**Product activity:** Park Electrochemical Corp. is a global advanced materials company which develops and manufactures advanced composite materials, primary and secondary structures and assemblies and low-volume tooling for aerospace markets, and high-technology digital and RF/microwave printed circuit materials principally for the telecommunications and internet infrastructure, enterprise and military/aerospace markets. The Company's manufacturing facilities are located in Kansas, Singapore, France, Arizona and California. The Company also maintains R&D facilities in Arizona, Kansas and Singapore.

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## **PHOENIX COMPOSITES - Hall 6 - R49e**

**Website:** <http://www.phoenixequipment.com/>

**Product activity:** Manufacturing equipment for over 20 years, phoenix composites equipment has excelled in the development and manufacture of affordable, superior quality, plural component, wet/out, gelcoat and chopper equipment for composite manufacturing. other products include impregnation systems, monitoring equipment and custom requirements

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## **PLASAN CARBON COMPOSITES -**

**Website:** <http://plasancarbon.com/who-we-are/>

**Product activity:** We are an engineering-driven Tier 1 supplier of cost-competitive, carbon fiber parts designed for mass reduction in low and mid-volume platforms. Plasan is introducing carbon fiber to mass production through aggressive research and development, proactive development of engineered solutions and automated manufacturing processes.

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## **PLATAINE - Hall 5 - E58**

**Website:** <http://www.plataine.com/about-us/>

**Product activity:** Plataine is an award-winning leading provider of Intelligent Automation solutions for advanced manufacturing of various industries. Through our suite of Total Production Optimization (TPO) solutions, we enable our customers to: - Increase throughput- Improve quality- Reduce re-work and waste- Gain insight into every aspect of the manufacturing process Plataine's patented, context-sensitive, Industrial IoT-enabled technology integrates with your existing infrastructure, enabling quick deployment, and rapid ROI.

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## **PHOSEON TECHNOLOGY - Hall 5 - E27**

**Website:** <http://www.phoseon.com/uploads/pdfs/documentation/Corporate-Overview.pdf>

**Product activity:** Phoseon's patented Semiconductor Light Matrix™ (SLM)™ technology encompasses LED arrays, optics, thermal and electrical management to ensure optimal performance.

These patented, highly-engineered systems deliver maximum UV energy while taking advantage of the inherent robustness of solid-state technology.

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## **POWER & COMPOSITE TECHNOLOGIES LLC - Hall 6 - R49a**

**Website:** <http://www.pactinc.com/>

**Product activity:** Power and Composite Technologies, LLC is a world leader in the fabrication of highly-engineered, custom (i.e., build-to-print) composite components, predominantly comprised of fiberglass or carbon fiber-reinforced composites. Primary markets involve utility-scale electrical generators, windmill generators, medical imaging and proton therapy applications, railcar and oil & gas applications, other than different composite panels, molded parts and assemblies for transportation market.

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## **PSC, INC. - Hall 6 - R31a**

**Website:** <http://www.pscrfheat.com>

**Product activity:** Product Description: PSC designs and manufactures High Frequency (HF) dryers. Their state of the art fiberglass roving dryers are the world standard and are used by the most advanced fiberglass manufacturing companies. Their unique design allows for easy automation to reduce labor cost and handling damage. PSC dryers are also used for fiberglass mat and chopped strand. For composites processing, PSC HF pre-heaters are used in many pultrusion lines with significantly higher line speeds for thick parts. Their HF pre-heaters can also be used to quickly heat SMC parts prior to molding.

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## **RADIUS ENGINEERING - Hall 5 - Q68**

**Website:** <http://www.coexpair.com/>

**Product activity:** Coexpair supplies production equipment and engineering solutions for manufacturing of composite parts at lower cost with improved quality. Focused on matched tool processes (RTM & SQRTM), leading SQRTM process development, and working in close partnership with Radius Engineering, Coexpair proposes a unique combination of equipment and engineering to the European and Middle-East market

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## **RESINFIBERS - Hall 6 - P32b**

**Website:** <http://www.yalecordage.com/>

**Product activity:** Resinfibers has never lost a customer to a competitor based on quality, nor have we sought customers on the basis of price alone. We have always embraced new fiber technologies and have been the first manufacturer to incorporate them in rope and cable products when they provide the best value to the customer.

Resinfibers has continuously developed unique custom and modified machinery to maintain its advantage in processing fibers to their fullest potential.

We do this every day to the very best of our abilities in Maine and North Carolina ... nowhere else.

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## **RHODE ISLAND COMMERCE CORPORATION - Hall 6 - P50b**

**Website:** <https://www.bryant.edu/about/centers-and-institutes/john-h-chafee-center-for-international-business/>

**Product activity:** The Rhode Island Commerce Corporation assists world's leading companies with site selection, workforce training, and access to funding. First in the nation with an offshore wind farm, Rhode Island is well-positioned for growth in advanced industries. Our compact size, diverse demographics and concentrated networks offer the perfect laboratory for testing new products and business models. World-class research institutions are eager to collaborate with businesses entering the state.

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## **SAINT GOBAIN - Hall 6 - R83**

**Website:** <https://www.saint-gobain-northamerica.com/>

**Product activity:** Through our Technical Textiles business, Saint-Gobain manufactures fabric-based reinforcement products for a variety of construction applications. Whether interior or exterior, our products improve the efficiency and quality of construction applications ranging from roofing to decorative wall coverings. Our wide range of products reinforce a variety of products including concrete, sail cloth, flooring, roofing shingles, paintable wall coverings, insect screens and drywall joint tape. Our advanced plastics are used in a broad range of challenging

applications — from the bearings and seals found on Formula 1 race cars to radomes that protect radar devices on commercial and military aircraft. Backed by a deep heritage of product innovation, technological expertise and market leadership, the Saint-Gobain Performance Plastics team has a reputation for working with its customers to solve their most pressing business challenges.

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## **SIOTECH CORPORATION - Hall 6 - P46b**

**Website:** [www.sileather.com](http://www.sileather.com)

**Product activity:** Sileather® is a pioneer in performance leather made of 100% silicone. With our innovative techniques, Sileather® is able to redefine high performance fabrics through the best combination of leather textures and the superior advantages of silicone.

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## **SKAPS INDUSTRIES - Hall 6 - T70**

**Website:** [www.skaps.com](http://www.skaps.com)

**Product activity:** We are a market leader in developing, manufacturing and supplying technical textiles like fibreglass multiaxial fabrics, woven roving fabrics, stitch mat, combimat and flow mat. Our composite fabric solutions are highly sought after for their hallmark quality, cost efficiency and innovation. Driven by our commitment to continuous excellence, we are ready to gear up your composite business for high performance.

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## **SMART TOOLING DIVISION OF SPINTECH, LLC - Hall 6 - B40**

**Website:** <http://www.smarttooling.com/>

**Product activity:** Smart Tooling provides formable, reusable tooling solutions for manufacturing composite parts that lower cost, increase throughput, and improve quality. Smart Bladders are rigid mandrels during lay-up and inflatable bladders during cure can be low-force extracted from the cured part. Smart Cauls are made near net shape of the end product, less debulked composite thickness and are rigid during lay-up and elastomeric during cure, applying pressure evenly across surface geometries.

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## **SOLVAY - Hall 5 - L42**

**Website:** <https://www.solvay.com/en/index.html>

**Product activity:** Solvay is a global provider of technologically advanced light-weighting material solutions for the manufacture of high-quality, high-performance and complex structures used in aerospace, automotive, mass transportation, oil & gas and other extremely demanding applications. As a leader in the application engineering with an integrated product portfolio including thermoset and thermoplastic prepregs, structural and 3D-mouldable foams, adhesives and surfacing films, resin and compound systems, impact modifiers, carbon fibres, textiles,

tooling and vacuum bagging consumables, Solvay is strongly committed to becoming a world leader in sustainable chemistry.

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## **SOUTH CAROLINA EUROPE OFFICE - Hall 6 - R31b**

**Website:** <https://www.sccommerce.com/about/global-network>

**Product activity:** The South Carolina Department of Commerce supports companies in establishing and growing their presence in the United States. South Carolina offers an ideal location for composite and advanced materials companies. Centrally located on the East Coast, South Carolina offers unparalleled logistics and the deepwater Port of Charleston. Many leading companies in the industry already call South Carolina home.

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## **Stoner Molding Solutions - Hall 6 - R45b**

**Website:** <https://www.stonersolutions.com/>

**Product activity:** Stoner is a US based manufacturer of mold release agents with international locations in the UK & Hong Kong. We provide release agents for composites, rubber, PU, rotational molding, thermoplastics & compression molding. Our brands include Honey Wax, KantStik, TraSys and Stoner. Our emphasis for the composites industry encompasses traditional solvent based wax release agents, solvent and water based semi-permanents, and new water based wax and PTFE agents that can be spray applied.

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## **SWORLD - Hall 6 - P32a**

**Website:** <http://www.prairitechgroup.com/>

**Product activity:** SWORL, spray applied net shape reusable vacuum bags (foils) create the worlds strongest, "no scrim required", reusable vacuum bags and the world's only spray applied silicone which includes top layer bonding technology. Insitu breathers raceways, low cost, easily portable SSM-3 equipment make SWORL the easiest product in the world to use when making reusable vacuum bags. Suitable for infusion, OoA & Autoclave, Aerospace transfer compliant. Suitable for use with PE-VE-PU-EP-Phenolics

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## **T.E.A.M. INC. - Hall 6 - P50b**

**Website:** <http://www.teaminc.com/>

**Product activity:** Textile Engineering And Manufacturing company specializing in textile preforming. Processes include 2D and 3D weaving, braiding, stitching, fiber placement and net shape preform manufacture. 20+ years of 3D weaving experience including net shape airfoils, stiffeners, integrated structures, thick billets and ballistic armor panels.

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## **TCR COMPOSITES - Hall 6 - M51**

**Website:** <http://tcrcomposites.com/>

**Product activity:** TCR™ Composites is a supplier of prepreg composite materials, available in continuous tow/roving for filament winding, woven and stitch braided sleeveings and uni-directional tapes. Resin content, resin flow during cure and track levels can be modified to suit process requirements. Distinguishing characteristics of TCR™ prepregs include up to one year out-life at room temperature (~24°C) without changes in material. Refrigerated shipping and storage are not required. Mechanical testing services are also available.

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## **THE GILL CORPORATION - Hall 5 - E18**

**Website:** <https://www.thegillcorp.com/>

**Product activity:** The Gill Corporation is one of the world's largest manufacturers of honeycomb, high performance floor panels, cargo compartment liners and original equipment for passenger and freighter aircraft. The company also excels in many other types of reinforced plastics including interior sandwich panels for creating structures such as aircraft galleys and bulkheads, honeycomb core and related products.

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## **THE MONTALVO CORPORATION - Hall 6 - P32b**

**Website:** <http://www.montalvo.com/>

**Product activity:** Multi tow & single web, drop-in tension control solutions that expand the capabilities of composites manufacturers to achieve automated processing, continuous processing, improved product quality, increased production speeds & reduced scrap. We are industry leaders in high quality; automated tension control is the key to unlocking high volume manufacturing.

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## **THERMWOOD CORPORATION - Hall 6 - P46a**

**Website:** <http://www.thermwood.com/>

**Product activity:** Thermwood Corporation, established in 1969, offers both three- and five-axis CNC machining centres and Large Scale Additive Manufacturing (LSAM) systems for various industries such as the automotive, aerospace/aviation, boating and defence industries. Thermwood is a US company with distributors worldwide and provides extensive and complete support, installation, training and ongoing service.

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## **TMP, A DIVISION OF FRENCH - Hall 6 - P50c**

**Website:** <http://frenchoil.com/products/tmp/>

**Product activity:** TMP, A Division of French, custom designs, manufactures and supports technologically-advanced hydraulic presses with advanced controls for greater press control

and press flexibility. Press capacities generally range from 5 to 2,000 tons with a variety of platen sizes for high-temperature heating. Our experienced team of engineers partner with customers to understand their process and provide custom press systems that improve part quality and yield lower overall production costs.

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## **TR INDUSTRIES - Hall 6 - A35**

**Website:** <http://www.trindustries.com/>

**Product activity:** TR Industries, founded as a division of Granitize Products Inc. in the 1970s, is a family-owned and privately-held company currently located in South Gate, California. Originally formulated as TR Mold Release, which produces professional high quality compounds and designed for the manufacturing sector, the TR Company expanded through popular demand into the international retail consumer products industry. Today, TR Industries has a multitude of high quality products that clean, protect, polish, and shine a wide variety of surfaces. We have a strong international brand following that has been established through complete customer satisfaction, and as a result, many professionals in the industry have classified us as the "surface care specialists".

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## **TRI MACK PLASTICS MANUFACTURING CORP - Hall 6 - P50b**

**Website:** <http://www.trimack.com/>

**Product activity:** tri-mack manufactures high-temperature thermoplastic parts for critical aerospace and industrial applications. we use collaborative engineering to develop high-quality solutions that meet your cost, weight and performance goals. automated layup and forming of thermoplastic composites, injection molding, tool making, multi-axis machining and bonding. our hybrid molding combines thermoplastic composites with injection molding to produce assemblies. iso9001:2008/as9100

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## **UNIVERSAL LASER SYSTEM - Hall 5 - C63**

**Website:** <https://www.ulsinc.com/>

**Product activity:** Universal Laser Systems has been advancing the application of modern CO2 laser technology since 1988. Research and Development efforts have resulted in numerous patents, with several pending, in our continual pursuit to develop and enhance laser systems that benefit the customer. Our R&D philosophy and execution are based upon designing highly modular platforms that can be easily configured with interchangeable laser power cartridges and field upgradeable laser system options. This robust system configuration capability, unique to Universal, gives customers the flexibility and investment protection to optimize laser systems as their business evolves.

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## **UNIVERSITY OF MAINE - ADVANCED STRUCTURES AND COMPOSITES CENTER - Hall 6 - P32b**

**Website:** <https://composites.umaine.edu/>

**Product activity:** The University of Maine's Advanced Structures and Composites Center is a world-leading, interdisciplinary center for research, education, and economic development encompassing material sciences, manufacturing, and engineering of composites and structures. The Center is housed in a 100,000 sqf, ISO 17025-accredited testing laboratory with more than 150 full and part time personnel.

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## **UTAH ADVANCED MATERIALS UAMMI - Hall 6 - R49d**

**Website:** <http://www.uammi.org/>

**Product activity:** UAMMI represents the Utah (USA) composites and advanced manufacturing industry. We are an industry-community education partnership designed to connect you and your business into the vibrant Utah advanced materials industry. Utah has hundreds of suppliers and manufacturers ready to do business with you. Reach out to us and let us help you connect with them! Utah Advanced Materials & Manufacturing Initiative (UAMMI).

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## **WABASH MPI/CARVER, INC. - Hall 6 - P46d**

**Website:** <https://www.wabashmpi.com/>

**Product activity:** Wabash MPI/Carver Inc. are premier manufacturers of presses for the composite industry. Whether for laboratory testing or production, we can meet your requirements. Wabash/Carver has a full line of hydraulic and pneumatic presses in capacities that range from .5 to 1200 tons and platen sizes from 6in X 6in to 6ft X 12ft. Wabash MPI and Carver Inc. offer standard presses, or can custom engineer a press system with several options and choices available. Visit us in the USA pavilion.

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## **WASHINGTON STATE - Hall 6 - R45c**

**Website:** [www.choosewashingtonstate.com](http://www.choosewashingtonstate.com)

**Product activity:** Nearly 100 companies are engaged in advanced materials research and development, fabrication, production and tooling in Washington State. Major players include Boeing, Electroimpact, Globe Machine, Fiberlay, Heatcon, Janicki Industries, SGL Group and Toray. If you're planning to invest, expand or relocate your advanced manufacturing business, our representatives at JEC World will be happy to answer your questions and show you why Washington State is a smart choice.

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## WEB INDUSTRIES - Hall 5 - M16

**Website:** <https://www.webindustries.com/>

**Product activity:** Web Industries and CAD Cute are industry leaders in formatting composites for fabrication. From precision prepreg slit tape to automated plus cutting and kitting, composite part manufacturers looking to maximize production rates trust us to provide AS/EN9100C certified commercial-scale, best-in-class formatting and material management services. As a qualified prepreg slit tape partner on nearly all automated lines, we practically defined the industry standards for prepreg slitting and spooling. our outsource material management solutions are proven to reduce expenses while increasing productivity. Whether you use thermosets or thermoplastics, why trust your composites to anyone else?

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## WORLD TRADE CENTER UTAH - Hall 6 - R49d

**Website:** <http://business.utah.gov/partners/wtcutah/>

**Product activity:** The mission of World Trade Center Utah (WTC Utah) is to help Utah companies think, act and succeed globally. WTC Utah accomplishes this mission through four key objectives: - Motivate and educate Utah businesses to expand their global presence through training seminars, regional forums and newsletters focused on international business development, trade issues and export opportunities.- Build capacity of Utah businesses for international trade through B2B consultations to identify expansion goals, assess current capabilities, determine overseas opportunities and connect companies with market experts and potential partners.- Expand global network of Utah businesses with foreign trade officials through networking opportunities with ambassadors, consuls general and diplomats from all around the world.- Support partners in strengthening Utah's international business economy through trade missions, trade shows, foreign direct investment efforts and free trade advocacy

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## WYOMING TEST FIXTURES INC. - Hall 6 - R49d

**Website:** <https://www.wyomingtestfixtures.com/>

**Product activity:** Wyoming Test Fixtures fabricated a wide range of precision test fixtures for use by the materials testing community with expert consultation and customization.

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## XTX COMPOSITES INC - Hall 6 - M75

**Website:** <https://xtxcomposites.com/>

**Product activity:** XTX Composites is an American manufacturer of PET (polyethylene terephthalate) structural foam that is used in the wind energy, automotive, marine, and transportation industries. We also are a supplier of pure, licensed Ecuadorian end-grain balsa wood, and offer a full line of epoxy resins. PET foams - 100% recyclable - Maximum processing temperature up to 150°C (302°F) - Superior mechanical and physical properties when compared with PVC foams - Resistant to fatigue - Chemical and UV resistant - Thermally stable and no

outgassing - Easily thermoformed - Slitting and perforations - High strength epoxy structural adhesive for core bonding resin for composite structures - All GL approved.

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## **ZETEC - Hall 5 - Q88**

**Website:** <http://www.zetec.com/>

**Product activity:** Zetec serves as the leading source for advanced nondestructive testing (NDT) products in ultrasonic (UT) and eddy current (ECT) technologies. For nearly 50 years, the high quality and performance of Zetec products have earned the confidence of leading companies around the world. From nuclear power generation and oil & gas fields, to aerospace, rail systems and manufacturing lines, our customers choose Zetec for the comprehensive product range we bring to their critical inspection needs.

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## **ZOLTEK - Hall 5 - J21**

**Website:** <http://zoltek.com/>

**Product activity:** In the world of materials, ZOLTEK PX35 has emerged as the industrial carbon fibre - one that is both affordable and delivers strength-to-weight performance equal to or better than many aerospace grades. ZOLTEK PX35 reinforce composites are remarkable in their performance characteristics and properties that include: high strength, low weight, high stiffness, corrosion resistance, heat resistance and electrical conductivity. ZOLTEK PX35 is the dominant material in the wind turbine industry, and is on the forefront on many other applications including automotive, CNG/pressure vessels, offshore drilling, marine, building & construction, and other industrial applications.

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