EXPO PREVIEW

THE INDUSTRY’S LEADING NAMES WILL CONVERGE IN NOVI, MICHIGAN, ON OCTOBER 22, 23, 24, 2019 FOR AUTOMOTIVE INTERIORS EXPO 2019. HERE’S YOUR DEFINITIVE GUIDE

OVER 100 INDUSTRY-SPECIFIC EXHIBITORS WILL SHOW THEIR TECH PLUS DETAILS ON OUR NEW FUTURE OF AUTOMOTIVE INTERIORS CONFERENCE

OCTOBER 22, 23, 24, 2019

#AIXNovi
utomotive Interiors Expo, Novi, Michigan, is about quality, color, texture, touch, feel and innovation. Specialty finishes are around every corner, with some companies offering plastic compounding and masterbatching, metalized plastics and chrome-look plastics, and others presenting hot foil stamping and film insert molding. You’ll find a wide range of fabrics, acoustical materials, shape-forming materials and foams, fasteners and adhesive systems, lighting and more. The show is a must-visit for Tier 1 suppliers and interior design teams from car manufacturers wanting to keep up with the changing world of materials, finishes and technologies that contribute to a vehicle interior’s touch and feel.

This year’s expo will also host The Future of Automotive Interiors Conference – a brand-new pay-to-attend conference solely focused on the trends and technologies shaping current and near-future automotive interiors. Speakers include: Joseph Simpson, senior design strategist, Volvo Cars; Bruce Mehler, research scientist, MIT; Dr Vyacheslav Birman, an expert from Continental; Dr Wolfgang Stolzmann, lead engineer and consultant ADAS, CMORE Automotive GmbH; and Dr Rose Rynz, president/Carbon Advisory Board member, Rynz & Associates LLC.

Your entry badge for Automotive Interiors Expo Novi also provides free access to two sister events taking place at the same time in adjoining halls: Automotive Testing Expo Novi, and Autonomous Vehicle Technology Expo Novi. The three shows combined will host over 460 automotive industry exhibitors – all under one roof!

SMART TOUCHSCREEN DESIGN

Kurz
Booth A516

Kurz will demonstrate how it is combining decorative plastic surfaces with its Kurz PolyIC sensor technology at this year’s show. Functional elements can be seamlessly integrated into automotive décor and 3D part geometries. Kurz HMI offers individual surfaces with the optical properties desired, from ambient or dead-front applications to 3D or flat-component geometries. The use of thermoformable sheets, which are silkscreen printed on the front and back, creates spectacular depth effects in the décor and haptic surface structures. In combination with touch functions, new and spectacular multisense components can be created. The backlighting of designs can play a decisive role for touch functionality; users control the elements that are backlit, using the ability of dead-front elements and activated/deactivated features. Another option is the night/day design: depending on lighting conditions, the surface shows different décors.
EXPO PREVIEW
Register now for your free pass!

NESTING, DIE-CUTTING AND CONVEYING LEATHER HIDES
Gemini CAD Systems
Booth A224
Gemini CAD Systems will show its Thagora Leather Scanning Machine, a conveyor for inspection and digitization of leather hides. Thagora Leather Scanning Machine is designed and built with a clear purpose: excellent performance in every step of the scanning process. It features augmented reality, infrared technology, a modular frame and an advanced software system. Thus, the machine leads to higher productivity, accurate marking, faster scanning and stable detection.

Its main benefits include: automation of the leather inspection process through augmented reality; up to seven quality zones; ability to scan hides pre-marked with colors; adjustable lighting system to ensure accurate inspection of hides regardless of color and structure; quick automatic ranking of the hides; stretching system for identification of the fine cuts; clean marking of the hides; and easy correction of mistakes.

The company has also developed a new generation of automatic, multi-hide nesting on GPU technology.

INTERIOR LIGHTING THAT FITS
Lacks Enterprises
Booth A501
Personalized LED lighting enhances the visual and emotional impact of a vehicle’s interior and allows a model’s aesthetic to truly shine. With Lacks’ next-generation backlit selective plating technology, lighting design can set the mood even in tight spaces.

To achieve a breakthrough in design in a streamlined package, trim and lighting elements are molded into a single piece. The slimmer components can exceed structural tolerances and still meet packaging constraints. The lightweight, one-piece construction offers assembly benefits with fewer field issues.

LIGHTWEIGHT CUTTING HEADS
Allfi Robotics
Booth A310
Automotive interior fabricators are constantly looking for innovative products to help increase their plants’ productivity. Allfi Robotics (formerly Panwen) is a Swiss/Chinese waterjet robotics cell integrator, and has developed the Allfi Type V 2.0 cutting head. This compact, lightweight cutting head (2.7 lb and 10.2in long; 1.2kg and 26cm), combined with Allfi’s state-of-the-art robot cutting cells, results in longer operating hours, improved cycle time and reduced downtime for waterjet trimming cells. The low-mass design helps improve robot reaction time, and the reduced size helps reach tighter locations better than any other cutting head on the market.

Customization is available upon request, including mount style, collimation tube length and OD, and orifice type.
BordArte and B & C Automotive design and decorate using the latest in cut and sew, embroidery, laser etching, quilting and embossing, as well as combinations of these processes simultaneously, creating unique results. The technology goes from basics to automated sewing. The 3D embossing works on materials such as leather, vinyl or fabric. Wood and carbon fiber are used in steering wheels, dashboards and doors. Clients often provide a sketch and the companies transform it into a design that realizes the creative vision and is practical.

BordArte and B & C Automotive also have technologically advanced facilities to meet the challenges and demands involved in the sewing of automotive garments, with capacity for any type of component or subassembly that the client requires.

Niebling will present 3D formed automotive interior parts produced by Tier 1, 2 and 3 customers with precise high-pressure thermoforming technology. This technology is well known in the industry for the FIM (film insert molding) and IML (in-mold labeling) processes, which are highly accurate and repeatable with less distortion than usual vacuum forming or thermoforming.

Functional integration in decorative parts, named IME (in-mold electronics); high-gloss surfaces with excellent scratch resistance; and great positioning of symbols and graphics are examples of what can be created. Modern interior components, such as radio bezels, display covers, buttons and 3D-shaped touch surfaces with sliders and switches integrated in the film can be produced.

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Bond. Thermo Bond.

Necal provides unique thermo-bond dry film adhesive products that are used widely in the automotive and electronics industries. Thermo-bond dry film adhesive strongly bonds to a wide variety of surfaces, including ABS plastic, aluminum and glass. This distinctive product has a melting point of 150-175°C (300-350°F) depending on its application and the materials used. Necal is actively working to increase the melting point of its films.

Necal also supplies products developed to specific requirements: single and double-side coated transfer tapes, single and double-side coated transfer foams, high-bond and high-heat foams and tapes, membrane switch spacers, and mounting films.
SILENCE BSR WITH INTERNALLY LUBRICATION THERMOPLASTIC COMPOUNDS

Sabic
Booth A118

Buzz, squeak and rattle (BSR): these irritating noises can be a major quality concern, especially as automotive cabins become quieter, particularly in electric and hybrid vehicles. But Sabic’s growing portfolio of LNP Lubricomp and LNP Lubriloy internally lubricated thermoplastic compounds can help address the BSR issue and enhance the driving experience by minimizing friction between plastic parts, which generates this unwanted noise.

At Automotive Interiors Expo, Sabic will introduce the newest addition to its automotive interior materials family: a new LNP thermoplastic compound, based on polycarbonate/acrylonitrile butadiene styrene (PC/ABS). The new compound features an innovative internal lubrication chemistry. In addition to minimizing BSR, it delivers an excellent surface finish and can be painted. Applications include interior claddings, trims and bezels.

Sabic will also show other LNP products, including Lubriloy D2000, an alloy-lubricated PC-based compound, and Lubricomp NXCY620, a PC/ABS compound that uses silicone technology. Both offer a low coefficient of friction and excellent dimensional accuracy. Using internally lubricated compounds can simplify production by avoiding secondary BSR mitigation.

DRIVE BETTER WITH NON-WOVENS

Sandler
Booth A112

High-performance absorber non-wovens are required in many areas of a vehicle. Lightweight materials that feature excellent sound absorption are in high demand.

Sandler’s sawasorb product lines provide a wide spectrum of efficient absorber non-wovens: from particularly thin materials for narrow installation spaces in the interior, to highly durable and resilient absorbers for use in the engine compartment.

Sandler’s product range includes single-polymer polyester non-wovens that are fully recyclable at the end of their operating life and thus support closed material cycles.

LOW-PRESSURE MOLDING WITH FABRIC, SUEDE OR LEATHER

CIE USA
Booth A222

CIE USA will show how it has refined the low-pressure molding (LPM) process, incorporating fabric, suede and leather to bring affordable, luxurious soft-surface technology to hard trim interiors.

OEMs used to be stuck with hard plastic for interior trim such as pillars and garnishes. Suppliers have been moving toward lamination and hand wrapping to incorporate soft surfaces into these types of parts. CIE USA has taken another path, refining the process of incorporating soft surfaces directly into the injection mold. Several OEMs have signed up to have CIE develop and provide these low-pressure molded parts for soft interior trim surfaces that have previously been considered hard trim.

By doing the bonding in the mold, quality issues such as delamination and wrinkles are eliminated. In addition, with unique tooling features, the wrap can be consistent around the parting line, further enhancing craftsmanship in the vehicle.

This process offers cost improvements as well, reducing the equipment and process steps necessary to finish a part compared with traditional lamination and wrapping. CIE continues R&D related to this and other interior hard and soft trim products and processes.
A SHIFT IN LAMINATION FOR CUT AND SEW

3CON

Booth A502

With cut and sew and faux stitching becoming popular, suppliers must provide a repeatable, cost-efficient press lamination process. 3CON has developed its Segmented Cavity Lamination Process, which enables these needs to be met. Usually, IP manufacturing with a cut and sew cover can take between 480 and 700 seconds where pressure is applied in a single axis. This process does not provide true adhesion consistently across a complex surface. Only perpendicular surfaces see the necessary 7-10psi of pressure; angled surfaces see far less.

The 3CON approach attacks the material from many angles without leaving marks on the surface; lamination with 7-10psi of pressure is applied. The seam alignment device remains with the tool during the entire process, mechanically locking the seam in place for correct positioning, and requires only 160-220 seconds with internal prefixing in the tool.

DIGITAL SEWING MACHINES

Dürkopp Adler

Booth A415

Dürkopp Adler is a manufacturer of industrial technology – robotics, software and automated platforms – for sewing and fabric welding applications used in the automotive, leather, upholstery, technical textiles, footwear and apparel industries. The company will be launching Delta, an IoT-based fully digital industrial sewing machine.

To support this, Dürkopp Adler’s QONDAC production optimization system captures performance data from all connected machines to provide real-time data analytics and empower better decision making in sewing room operations. Additionally, QONDAC can control automated settings of workstations, stream work instructions with image and video support, and carry out correctness checks on use of right materials. The result is high productivity and a rapid return on investment.

QUARTZ INFRARED EMITTERS

Hefei Quickly Electric

Booth A410

Hefei Quickly Electric Co Ltd will use the expo to show its quartz infrared emitters, which can be used in plastic processing systems such as welding, forming and laminating, edge-folding, etc. IR heating is targeted to components and has instant heat on/off, meaning lower energy costs.

VISIT TWO FANTASTIC NEIGHBORING SHOWS!

Two sister shows will be held concurrently with Automotive Interiors Expo 2019 at the the Suburban Collection Showplace: Automotive Testing Expo, Novi and Autonomous Vehicle Technology Expo, Novi. Visitors can see the latest in ADAS testing, NVH measurement tools, test rigs, simulation packages, durability testing technologies, crash testing equipment, dynamometers, emission measurement systems and dynamic vehicle assessment tools.

Autonomous Vehicle Technology Expo, Novi is the leading expo in North America for advanced technologies for autonomous vehicle development. From Level 2 ADAS to full autonomy, many companies will be in Novi to showcase essential building blocks and systems, including AI learning and virtual environments, deep learning systems, validation of autonomous systems and more!
DISTINCTIVE FILMS AND FINISHES

MacDermid Enthone Industrial Solutions

Booth A218

MacDermid Enthone Industrial Solutions will use Automotive Interiors Expo, Novi to showcase its latest display films and decorative finishes designed to meet the need for sleek, integrated touchscreen film technology with a unique signature.

Custom Floor Mats

U Ace

Booth A508

3D MAXpider Custom Fit Floor Mats are excellent protection for a vehicle’s floor. Unlike bulky and smelly rubber floor mats, 3D MAXpider Kagu Series Custom Fit Floor Mats are made with a uniquely designed three-layer structure. A state-of-the-art measuring method ensures 3D MAXpider mats are custom fitted to each vehicle. The patented MAXpider backing keeps the mats in place without damaging carpet, as can happen with the nibs or spikes on other floor mats.

The floor mats are designed to give the vehicle floor protection and are waterproof, meaning all messes and spills stay on the mats, making clean-up easy. The inner semi-hard XPE foam is non-toxic, odorless and eco-friendly. It provides the same cushioning effect as an anti-fatigue mat, and sound deadening for a quieter ride.

MacDermid Enthone will promote its XtraForm Antiglare films for displays, specifically designed for deep-draw 3D film insert molding (FIM) applications and automatic processing. This unique coating disperses reflection and is available in various gloss levels, providing different levels of clarity in the display. Also featured will be an array of decorative finishes that provide a distinctive appearance – dark, lustrous, bright or satin – on a range of substrates. These finishes are ideally suited for automotive applications where an aesthetic fashion finish is critical to product differentiation.

Safe, Stylish, Comfortable Seats

Tachi-S

Booth A415

Tachi-S designs, develops, prototypes, tests and manufactures high-quality automotive seats that are functional, safe, stylish and comfortable. It works with automotive OEMs from concept to mass production of seating and seat components such as armrests, headrests and structures.

Each year, Tachi-S delivers over three million complete automotive seats and over four million seat components to the global automotive market. It prides itself on being responsive, flexible and easy to work with to help ensure that every seating program is completed on time, on budget and to a high quality.

Non-Conductive Black for IMD/FIM Technology

Proell

Booth A116

Noriphan HTR N is a proven, formable, back-moldable and solvent-based one-component screen printing ink for film insert molding technology. A new opaque black color shade – Noriphan HTR N 990 NC – is available for printed electronic applications, and is a carbon-free, non-conductive black.

The color shade can be used for decorative prints but is mainly used for plane multilayer printing or backing of metallic and polymer conductive pastes. Carbon-based pigments, so-called carbon blacks, normally used for black color shades, are electrically conductive and can interfere with functional structures. The Noriphan HTR N 990 NC color shade has been formulated and optimized with regard to interlayer adhesion and shows good adhesion in compound values in the final film/ink/injection material composition.

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MemoryFlex is a multipurpose, flexible polymeric-coated high-memory filament. This coating allows for a variety of design applications and manufacturing processes. It can be formulated to balance softness and feel with abrasion resistance, and some design variations can be used as a strengthener to reinforce different constructions. This high-memory filament can be used in a variety of close-out and sealing applications that have previously used standard thermoplastic products, like nylon or polyester. MemoryFlex can be custom designed for filling gaps between fixed and moving surfaces, making it the perfect fit for a long-lasting, shape-holding protective barrier. Additionally, it can be used for closing gaps where moving parts pass through the gaps, and for guiding, sweeping and keeping taut the movement of material.

STRONG LOAD FLOORS
UFP Technologies
Booth A226
UFP Technologies will show its new load floors. FirmaLite load floors use a patent-pending combination of heat-resistant materials such as polypropylene, glass-fiber composites and natural fibers to create load floors and other components that keep cargo safe.

The load floor design outperforms other commonly used load floors in both short-term and 24-hour load-bearing tests, and is lighter in weight by more than 15%. When subjected to a load of 257kg (570 lb) for two hours, FirmaLite featured less deflection and displayed nearly 0mm of deflection after 24 hours, which is 65% better than some other, heavier floors.

In addition to superior mechanical strength, FirmaLite does not require any urethane sprays, which means greater product consistency and added durability.

UFP Technologies uses its vast array of materials and capabilities to deliver quieter interiors for a more comfortable ride, components to provide a safer vehicle, and patented low-weight composites to increase fuel economy. The Monadnock HPAM non-woven material is a lightweight, high-performance sound absorber made from 100% polypropylene fine fiber with a newly developed acoustic scrim on both surfaces. The acoustic scrim has been upgraded to achieve better sound absorption at the same weight as competitive materials.

GLOSSY TRIMS
INSPIRE DESIGN CREATIVITY
BASF
Booth A526
BASF will present its high-gloss and chemical-resistant Ultramid Deep Gloss, an ideal material for decorative trims, panels and inlays. Ultramid Deep Gloss enables designers to incorporate textures or shapes into interior surfaces for new, distinctive designs. The look, feel and functionality of interior spaces will be transformed, especially as the vehicle takes over driving functions. BASF takes concepts from ideas to ideal solutions.
NOT YOUR GRANNY’S SEWING MACHINES

**Juki America**

Juki will exhibit two new machines at the expo in Novi. First is the AMS-221F-2516, a computer-controlled cycle machine for medium- to heavy-weight materials with a maximum sewing speed of 2,800 spm and beautifully finished seams with its new feed control system. This model is best suited for car interior parts, as well as top-stitching and shape-tacking sewn products. The active tension can be changed over with a memory switch between the low-tension side output and the high-tension side output to enable fine adjustment of the thread tension in the actual area of use.

The second new product is the Juki PLC-2760V7, a semi-dry, direct-drive, two-needle post bed, unison feed, lockstitch sewing system with a vertical-axis large hook. Five adjustment values (stitch length, presser foot pressure, alternate vertical movement, use of the walking foot and needle thread tension) are digitized. This machine is best for sewing heavyweight materials for car seats, sofas and sporting goods. The long distance from the machine arm to the needle contributes to improved workability. Maximum sewing speed is 2,500 spm and maximum stitch length is 12mm (0.5in).

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TEXTURED CHROME PLATING ON PLASTICS

**Taiyo Technology of America Ltd**

As the industry continues to enhance the passenger experience with new technologies, it is only fitting that aesthetics also continue to evolve. Taiyo Technology, an expert in electroplating on plastics, is excited to show its newest technique for achieving chrome plating on unique surface patterns. This allows more customization and expression for detail while maintaining the touch and feel that only chrome can provide. Together with its newest black chrome color and other surface techniques, Taiyo Technology is capable of luxurious finishes that are cheaper and lighter than pieces made from metals such as aluminum.

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FOLDABLE LUGGAGE COMPARTMENT COVER

**Macauto**

Macauto has made improvements to the luggage compartment cover (LCC) with its new Foldable LCC. Consumers love the security and privacy a LCC provides, but when it comes to large or bulky items, a typical LCC can be difficult to stow. This has led drivers to store the LCC in an awkward spot or outside the vehicle. For manufacturers, size is a problem: it is difficult to design an appropriately large space in which to stow the unit safely, securely and out of the way. Macauto solves this problem with its Foldable LCC. This LCC folds in half down the middle, making it easier for consumers and designers alike. For the consumer the unit folds and unfolds quickly and easily, to be used or stowed in a convenient location. For manufacturers, the Foldable LCC provides more options on where to design an appropriate storage location to maximize cargo space. The other benefit is that the Foldable LCC doesn’t sacrifice strength, durability or functionality, and enhances the flexibility of the product.

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WEAR-RESISTANT COLOR COATINGS

**IHI Ionbond**

IHI Ionbond will present its new Decobond series of PVD, CVD and PACVD coatings with a large palette of colors for items that require both aesthetics and a wear-resistant surface. The company recently won a number of contracts for the coating of automotive interior parts.

IHI Ionbond has the ability to coat at very low temperatures. This means it can coat ABS and Zamak substrates that are used extensively for decorative purposes in applications where color and wear resistance are important to ensure a perfect look for a long time and over intense use. These coatings are environmentally friendly and can be used in many applications. Ionbond coatings meet numerous automotive supplier demands including salt spray, UV, anti-scratch, abrasion, environmental and heat specifications.
The Future of Automotive Interiors is a broad-ranging conference focused on the key trends shaping automotive interiors, as well as the challenges and opportunities presented by autonomous vehicles.

The conference will be exclusively dedicated to the study of future interior design, innovative seating, lighting, ergonomics, instrumentation, control systems, new HMI approaches, in-car entertainment and connectivity, onboard wellness and safety challenges, as well as the opportunities and challenges offered by increased vehicle autonomy and more sophisticated consumers.

The need for a new generation of materials will be explored, in answer to consumer demand for more sustainable and ethical solutions that are allergen-free, antimicrobial and non-toxic. The latest HMI approaches will also be examined, with an emphasis on ease of use and safety, as well as more inclusive design to meet the needs of an aging society.

Held October 22, 23 and 24 alongside Automotive Interiors Expo, Novi, Michigan, at the Suburban Collection Showplace, the symposium is the place to discuss next-generation interior design trends and issues.

We’ve highlighted just some of the keynote speakers over the three days to give you a flavor of the topics and technologies being discussed. Full details and speaker line-up can be found on the website.

**KEYNOTE PRESENTATIONS**

**The Future of Automotive Interiors Conference**

**SPEAKER HIGHLIGHTS**

**JOSEPH SIMPSON, SENIOR DESIGN STRATEGIST, VOLVO CARS, SWEDEN**

Presentation to be confirmed

**DRIVER STATE MONITORING TO SUPPORT SAFETY AND WELL-BEING**

Bruce Mehler, research scientist, Massachusetts Institute of Technology, USA

This presentation will consider the role of driver state monitoring (situational awareness, cognitive workload, health status, readiness to take control, etc) to support safety and well-being in the context of ADAS and higher-level autonomous vehicle systems.

**COMPARISON OF VISUAL APPEARANCE AND CHECKERBOARD CONTRAST RATIO MEASUREMENTS OF HIGH-CONTRAST DISPLAYS**

Dr Vyacheslav Birman, expert, Continental, USA

The goal of this study is to estimate the value of noise in the human eye and measuring instrument during observation and measurement of high-contrast-ratio displays with checkerboard image. It will allow the following questions to be answered: What contrast can be appreciated by a human observer? What range of contrast ratio can be measured directly by imaging photometers? A proposal for measurement method improvement will be formulated. An alternative method of crosstalk measurement will be proposed.

**THE EVOLVING MATERIAL REQUIREMENTS FOR AUTOMOTIVE INTERIORS**

Dr Rose Ryntz, president/Carbon Advisory Board member, Ryntz & Associates LLC, USA

This talk will focus on the changing needs of automotive interior materials as the industry evolves toward autonomy. The need for resiliency, heat tolerance and acoustics will be discussed along with the material requirements that may be affected by HMI solutions.
The Future of Automotive Interiors

Colin Giles, technical research analyst – interiors and lighting, IHS Markit, USA

This presentation will explore how vehicle interiors, including seating, trim and interior functionality, will be influenced and changed by current automotive trends like electrification and the future that is possible with vehicle autonomy. The information presented will come from primary research from the presenter as well as comments and survey results from supplier and OEM representatives, and will include analyses of the feasibility, launch timing, facilitators and obstacles of these disruptive interior trends.

In-Cabin Visuospatial Analysis Enabled with Interior Scene Understanding AI

Modar Alaoui, CEO, Eyeris, USA

This session covers the latest advancements and advantages of holistic in-vehicle visuospatial understanding, using state-of-the-art vision AI neural networks with multiple RGB-IR 2D cameras. It will also cover how visual understanding of the entire in-cabin space is critical to enabling optimized safety, comfort and convenience by synchronizing valuable interior vision data with exterior perception. Finally, this session will highlight how the next generation of automotive-grade AI chips will enable in-vehicle efficient inference that is capable of generating new types of data and monetization models in this third living space.

Human Body Modeling – A Better Tool, An Essential Need

John Combest, chair/project manager – Advanced Safety Technology, Global Human Body Models Consortium/Nissan Technical Center North America, USA

Advancements in science and engineering come when better tools with more precise measurements become available. Human body finite element analysis has matured to a state allowing dynamic simulation of any possible vehicular event from pre-crash braking, using active muscles, to analysis of brain or internal organ injuries in the event of a rapid deceleration event or crash. A few HBMs (human body models) with these advanced human simulation capabilities have been developed, including a detailed and simplified family of models by the Global Human Body Models Consortium. The state of the art in HBM is presented.

30+ speakers

www.automotive-interiors-expo.com/detroit
EXHIBITING COMPANIES See the website for the latest updates and to register

3Con • A.J. Rose Manufacturing • ABC Technologies Sales & Engineering • Addev Materials • AES Moldes • ALLFI Robotics Inc • American Flock Association • Argent International Inc • AVERY DENNISON RFID • BASF Corporation • BECHEM • Berry Global Inc • BordArte • Brother International Corporation • Bruno Associates • C6 Automation • Fixture Inc • China Certification Corporation • CIE Automotive • Cultraro Automazione Engineering Srl • Danzer Deutschland GmbH • DAP America Inc • Dovercourt • Dow Chemical • DuPont PVAM • Edison Opto USA Corp • Emerald Corporation • Felton Incorporated • FET Engineering Inc • Foam Expo • Freeman Schwabe • FRIMO • FTS Technologies • Gemini CAD Systems • Geronne North America • Greidenweis Maschinenbau GmbH & Co KG • Grupo Antolin North America Inc • GTO Automotive • Hassan Tekstil AS • Hefei Quickly Electric Co Ltd • ICO SYSTEM International Coating GmbH • IHI Hauser Techno Coating BV • IHI Ionbond Inc • Inabata America Corporation • JBC Technologies • JBR Precision Industry Product • Jowat Corporation • JUKI AMERICA INC • Kleiberit Adhesives USA • KURZ Transfer Products • Lectra USA • Lydall Thermal Acoustical Solutions • Macauto USA Inc • MacDermid Enthone Industrial Solutions • Mactac North America • McCarty Group - GR • MoldTech • Muller Textiles North America • Multicraft International • Nagase America LLC • NAKAN • NECAL Corporation • Niebling GmbH • North Pacific International Inc • Oshino Lamps UK Ltd • PAK-LITE • Plasmatreat • Plastic Plate LLC / Lacks Enterprises • Portland Products Inc • Prell Inc • R + S Automotive USA LLC • RECTICEL Automobilisysteme GmbH • Red Spot • Reell Precision Manufacturing Corporation • Royal Technologies Corp • SABIC Specialties • LNP • Sandler AG • Schap Specialty Machine Inc • Serigraph • SG Electronics Inc • Shin-Etsu Polymer America Inc • Şiteks Diş Ticaret ve Tekstil Sanayi AS • Snaptron Inc • Syn-Tech Ltd • Synergeering Group LLC • Tachi-S • Taiyo Technology of America Ltd • Techno-UMG America • TESEO • Texel Materiaux Techniques Inc • Thierica Equipment Co • TPS Korea • U ACE INC • UFP Technologies • Uniroyal Global Engineered Products Inc • VaporTech • Velcro USA Inc • Vergason Technology Inc • Viking Plastics • Weber Manufacturing Technologies Inc • Zund America Inc

OVER 100 EXHIBITORS EXPECTED

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Novi - Michigan
www.automotive-interiors-expo.com/detroit