EXHIBITION ENTRY IS FREE!

20-22 JUNE 2017
MESSE STUTTGART, GERMANY

AUTOMOTIVE INTERIORS EXPO 2017 TO BE THE BIGGEST AND BEST YET!

The world’s leading names in automotive interiors and interiors fabrication will converge in Stuttgart for Automotive Interiors Expo 2017.

With exhibitor and visitor numbers growing rapidly year on year, Automotive Interiors Expo 2017 is shaping up to be the most successful show in the history of the event. With record numbers of exhibitors already booked for the event and more expo space than ever, visitors will see the full spectrum of materials, technologies and products for auto interiors and for companies fabricating interiors subcomponents and assemblies.

One dedicated expo hall
The exhibitor list at Automotive Interiors Expo brings together exhibitors whose products are found in vehicles from just about every car manufacturer in the world. Speciality finishes are a strong theme of the expo, with some companies offering plastic compounding and masterbatching, metallised plastics and chrome-look plastics, and others presenting hot foil stamping, film insert moulding and styrene finishes. You’ll also find a wide range of fabrics, acoustical materials, shape-forming materials and foams, fasteners and adhesive systems, lighting and more.

The following pages are merely a snapshot of what you will be able to see from around 130 exhibitors who are now housed in one entirely dedicated expo hall – Hall 5 at Stuttgart Messe.

Touch and feel: a key feature of the exhibits
Automotive Interiors Expo 2017 is a must-visit show for everyone in the interiors supply chain as well as for OEM interior design teams from car manufacturers wanting to keep up with the rapidly changing world of materials, finishes and technologies that contribute to ‘touch and feel’.

For those wanting to listen to ideas and concepts for next-generation interiors, the free-to-attend three-day Interiors Innovation & Design Forum will feature a series of presentations covering styling trends, ergonomics, trim and finish, connectivity, safety and technical innovations from industry OEMs, suppliers, research institutions and styling houses.

Automotive Interiors Expo Awards
These awards are an industry initiative that honours the world’s finest designers, innovations and products in the automotive interiors arena. With a judging panel that boasts some of the world’s leading automotive journalists, the Automotive Interiors Expo Awards are among the most sought-after accolades within the automotive industry.

Awards Categories 2017
- Interior Designer of the Year
- Supplier of the Year
- Concept Vehicle Interior Design of the Year
- Concept Interior Innovation of the Year
- Production Vehicle Interior Innovation of the Year
- Production Interior Vehicle Design of the Year

Avoid the queues – register online to get your entry badge/pass by post! www.automotive-interiors-expo.com

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WHAT’S ON DISPLAY

THE NEXT GENERATION

The world needs innovative thinkers, but when they devise innovations for automotive interiors, new materials, forms and products need to be redesigned. A well-designed vehicle interior is critical because it is the interface between the consumer and the vehicle. The design requires major research, an intelligent approach and concepts that create a positive emotional response. Furthermore, social and technological developments require an examination of new concepts of mobility. All these factors and more will be explored at the Reutlingen University stand, where transportation interior design students will present their visionary concepts of future transportation interior design solutions to visitors.

PLASTIC INNOVATION

It is not every day that new surfaces for plastics hit the market, but following collaboration with 18 technology companies, Kunststoff-Institut Lüdenscheid is presenting a demonstrator manufactured using functional film insert moulding (FFIM) and designed with a capacitive slider, wheel and button that can be used to test a wide variety of conductive inks. The demonstrator was created by forming a foil with printed decor and conductive tracks, which is backmoulded with plastic, allowing for electrical connection through special contact areas. The institute will also present ‘coating inside the mould’, a technique whereby a lacquer component is injected into a second cavity directly after moulding the plastic part. The effect of this process is the ability to create self-healing surfaces with a depth effect.

AUTOMATIC PUNCHING MACHINE

For car seat covers, ventilation is an important aspect of driver and passenger comfort, but it can be a difficult engineering process to get right. Sunstar would like to change all that with its automatic punching machine that is specifically designed for car seat cover manufacturing. With six different puncher holes and automatic puncher change, the machine is multi-headed and operates at high speed. A suction system makes application easy, and its compatibility with pattern sewing machines, its 10.4in colour LCD touchscreen and its sturdy pallet frame make it a tool that any car seat cover manufacturer will want.

MEDIUM-DENSITY MATERIALS

Made from 100% polypropylene and therefore completely recyclable, Bubble Guard Compact (BG Compact), developed by Böttcher, is a new, lightweight material that can be used instead of plywood or other medium-density materials. Ideal for interior trims, BG Compact is stiff and resistant, and can be delivered with car textiles already laminated, using glueless technology. Providing excellent aesthetic values, noise-reduction qualities and anti-scratch properties, BG Compact is also 60% lighter than comparable materials of equal thickness.

MOULDING ADVANCES

One of Europe’s leading companies for the design and manufacture of injection mould tooling and thermoplastic components for the low/medium-volume automotive industry will be at Automotive Interiors Expo 2017 to explain about its new manufacturing facility. Formaplex’s 120,000m² technical centre has increased the company’s capacity by 50%. It includes a semi-automated paint facility that provides high-quality finishing, enabling the painting of surface-moulded components in either primer or a high-gloss finish to exact customer specifications.

COLOURED PLASTICS

Matching the colour of automotive metalwork with plastics is never easy but can make all the difference to the overall look of a vehicle. Romira’s Color Competence Center is able to provide design teams at OEMs with almost any automotive colour in plastics, even within the shortest timescales. The company also boasts widespread know-how in the production of special additives such as UV stabilisers, laser additives and other multifunctional masterbatches, and provides plastic blends for unlaquered products that offer special properties such as acoustic damping, anti-creaking, mechanical wear resistance, high UV stability and permanent artistic behaviour for automotive interiors and exteriors.

SHAPING LIGHTING

If you thought that light always travels in straight lines, think again. POAL’s (Polymer Optics Automotive Limited) own proprietary developed software GloWorm, the company’s latest patent applied development is a novel lightguide technology that allows light projected from a simple lightguide to be redirected and shaped to create a more complex illumination footprint. Even target surfaces with complex shapes can be evenly illuminated.

ABSORBER NON-WOVENS

For the automotive industry, materials have to do more than just look and feel good. Sound damping is a key component of Sandler’s Sansores high-performance non-wovens. These lightweight materials feature excellent sound absorption at low product thickness and include dark colours for visible applications.

A CHROME-PLATED INVESTMENT

Chrome trim has always been desirable, and chrome-plated plastic trim helps keep costs down. Now, thanks to a new investment in moulding technology, Borough offers a comprehensive service from design through tooling manufacture and PPAP submissions – a complete one-shop supply source for components and assemblies.
There is hardly an industry in which high-gloss, durable design surfaces are as popular as in the automotive industry. From black chrome to rose gold, PVD pioneer Silcos has a new range of PVD surfaces as part of its SilOptics range, all specially developed for automotive interiors, meeting the highest standards in quality, design and functionality. In addition to a beautiful appearance, they deliver maximum protection against scratching and abrasion. The company says PVD technology allows almost unlimited application possibilities, such as intricate decoration of the centre console, control elements with day-night design, emblems, trim rings on airbag covers, and much more.

Chrome never seems to go out of fashion in the automotive world, but traditional chrome plate comes with its disadvantages, namely the potent nature of the chemicals used, which are not conducive to the current drive for sustainability that is gripping the industry. Cromatipic from IHI Hauzer is an environmentally friendly technology that has been attracting the interest of designers and industry sectors for many years now, including automotive. Oerlikon Balzers has developed ePD, a surface technology that not only provides the glossy look of metal, including chromium, but also satisfies the protective qualities that a coating needs to offer.

In automotive, EPD surface technology is far friendlier to the environment than traditional chrome plating, and is able to provide chrome-plated parts cost-effectively, enabling car makers to add that aesthetic touch without raising prices. Oerlikon Balzers supports high-volume production through fast process cycles, translating to cost-effective production.

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