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AEROSOL EUROPE

THE LEADING MAGAZINE IN AEROSOLS – FOR THE LEADING PEOPLE IN AEROSOLS

THE LEADING MAGAZINE FOR THE INTERNATIONAL AEROSOL INDUSTRY

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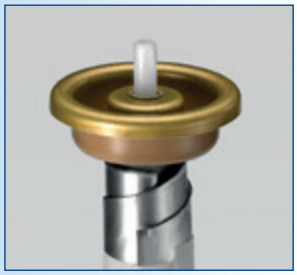
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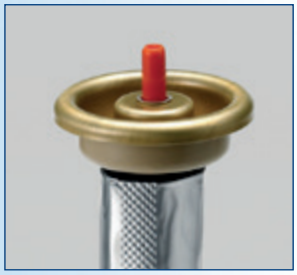
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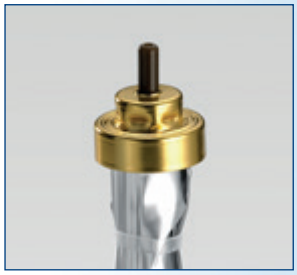
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INTERVIEW
JÖRG PETER AND MARC OLIVER STAEHLE
MANAGING DIRECTORS OF G. STAEHLE GMBH & CO. KG IN STUTTGART / GERMANY

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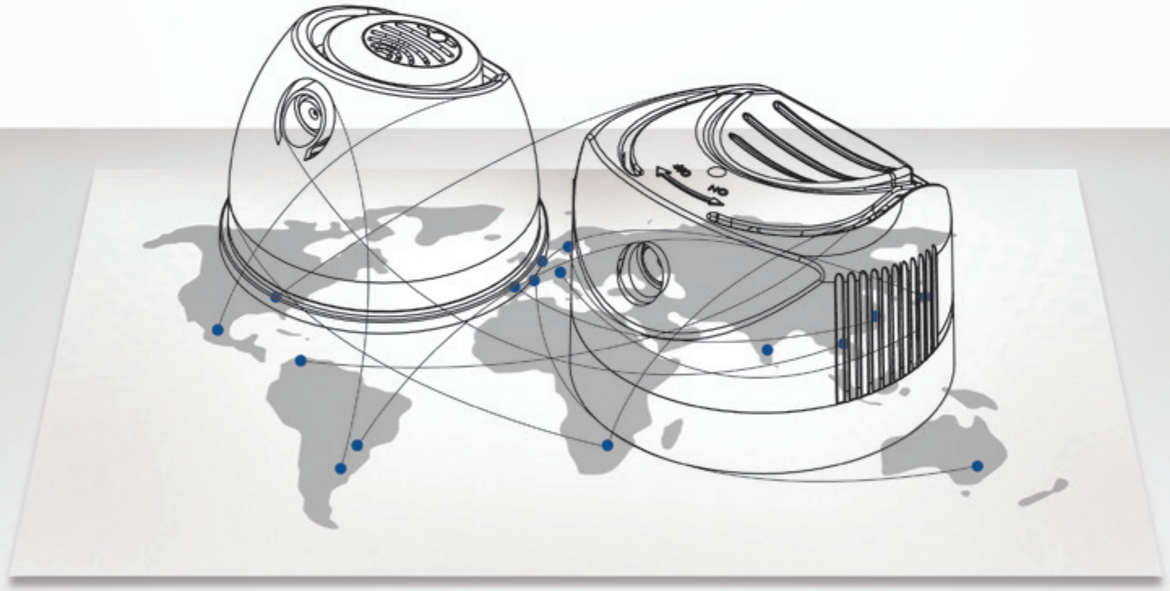

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DEAR READERS,

After more than 12 successful years in Europe, the Aerosol & Dispensing Forum will now be extended to the North American market. The decision to expand, initially in the USA, and more precisely, in New York, reflects the organizer's concept, which has clearly become a magnet for the European aerosol and spray packaging industry and has been received positively precisely by international visitors and exhibitors. This is why it became important to establish a beachhead on the American continent. Pre-registrations suggest that there will be a large number of international visitors, and the exhibitor list also indicates a significant international presence. On the occasion of the Aerosol & Dispensing Forum in New York, we spoke with Gilles Baudin of L'Oréal. You can read about his estimation and expectations for the event in New York on page 28.

This issue is dedicated to the congress in New York and will provide you with some initial orientation about the program and exhibition. We would like to heartily greet all participants, visitors, and exhibitors to the first Aerosol & Dispensing Forum in New York; we look forward to meeting you there.

The current production figures for the German aerosol market are now available. Despite weak economic growth in Germany, numbers increased significantly for beauty and household care products in 2015. There was growth of 2.4% in each sector, which was due primarily to private consumption. The filling figures provided in the production statistics, however, fell by 4.3% in 2015 to 1.33 billion cans. As the Industrie-Gemeinschaft Aerosole (IGA) reported at its members' meeting at the end of May this year, however, this is due primarily to production shifts to foreign countries. In the largest market segment, cosmetic aerosols, production declined by 5.3% to approximately 900 million cans. Production figures for household aerosols declined by 13.5% in 2015. The detailed statistics and the report about the IGA members' meeting are on pages 35 - 37.

On the occasion of its forum at the beginning of June, the Spanish aerosol association (AEDA) also presented current figures. According to these, the production of aerosols in Spain just about equaled that of the previous year. The current statistics and detailed report about the AEDA forum are another focal point of this issue.

We wish you great reading pleasure.

Sincerely yours,

Detlev Melcher (Publisher)

Liebe Leserin, lieber Leser, nach 12 überaus erfolgreichen Jahren in Europa wird das Aerosol & Dispensing Forum nun auch auf dem nordamerikanischen Markt ausgetragen werden. Die Entscheidung, zunächst in den USA, genauer gesagt in New York, das Engagement auszubauen, liegt im Konzept des Veranstalters begründet, das offensichtlich zu einem Magneten der europäischen Aerosol- und Sprühverpackungsindustrie geworden ist und gerade von den internationalen Besuchern und Ausstellern positiv aufgenommen wurde. Deshalb lag es nahe, ein weiteres Standbein auf dem amerikanischen Kontinent zu errichten. Die Voranmeldungen lassen eine hohe, internationale Besucherzahl erwarten und auch die Ausstellerstruktur weist einen beträchtlichen internationalen Anteil auf. Zum Aerosol & Dispensing Forum in New York haben wir mit Gilles Baudin von L'Oréal sprechen können. Seine Einschätzung und Erwartung an die Veranstaltung in New York lesen Sie auf der Seite 28.

Diese Ausgabe widmet sich dem Kongress in New York und gibt Ihnen zur ersten Orientierung Informationen zum Programm und zur Ausstellung. Wir begrüßen alle Teilnehmer, Besucher und Aussteller zum ersten Aerosol & Dispensing Forum in New York ganz herzlich und freuen uns auf zahlreiche Gespräche mit Ihnen.

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Die aktuellen Produktionsstatistiken für den deutschen Aerosolmarkt liegen vor. Trotz des schwachen Wirtschaftswachstums in Deutschland haben bei den Schönheits- und Haushaltspflegemitteln die Zahlen in 2015 deutlich zugelegt, und zwar um jeweils 2,4 Prozent, was in erster Linie auf den privaten Konsum zurückzuführen ist. Die in der Produktionsstatistik ausgewiesenen Abfüllzahlen sind jedoch um 4,3 Prozent auf 1,33 Milliarden Dosen gesunken. Wie die Industrie-Gemeinschaft Aerosole (IGA) anlässlich ihrer Mitgliederversammlung Ende Mai dieses Jahres berichtet, sei dies aber durch Produktionsverlagerungen ins Ausland zu erklären. Im größten Marktsegment der kosmetischen Aerosole sei die Produktion um 5,3 Prozent auf 900 Millionen Dosen zurückgegangen. Bei den Haushaltsaerosolen sanken die Produktionszahlen in 2015 um 13,5 Prozent. Die ausführliche Statistik und den Bericht vom Mitgliederforum der IGA finden Sie auf den Seiten 35 - 37.

Anlässlich seines Forums Anfang Juni hat der spanische Aerosolverband (AEDA) ebenfalls aktuelle Zahlen vorgelegt. Danach hat die Produktion von Aerosolen knapp das Vorjahresniveau erreicht. Die aktuelle Statistik und den ausführlichen Bericht zum Forum der AEDA ist ein weiterer Themenschwerpunkt dieser Ausgabe.

Wir wünschen Ihnen viel Vergnügen bei der Lektüre.

Herzlich

Detlev Melcher (Publisher)

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Aestar (Zhongshan) Co., Ltd, predecessor of which was Zhongshan Aestar Fine Chemical Inc. Ltd, was restructured and got its current new name on Dec.25th, 2009 [Aestar (Zhongshan) Co., Ltd hereinafter will be referred to as "the company"]. With its headquarter located in Zhongshan, GD, the company has more than 900 employees, including more than 40% of engineers and technicians and a large group of experienced and excellent R&D staff, some of which are with Master Degree. As for national level technology centers, the company has the former Aerosol Technology Center of Chemical Industry Ministry inside the site. The company is now the biggest domestic pesticide aerosol manufacturer with the most completely equipped aerosol industry chain set, and has got approved by ISO9001, ISO14001 and ISO10012.

Following the direction of pesticides, air fresheners, household sanitary appliances and synthetic pyrethroid insecticide, the company has got prominent achievements in developing, producing and applying above related products by many years' insistent effort and now has reached annual capacities of 200 million for aerosols, 200 million for aerosol cans, 2000 ton for synthetic pyrethroid insecticide, and 10000 ton for DME. Its scope of business has extended up to 100 types of products including aerosols, household cleaning appliances, hair cosmetics, aerosol cans, agricultural chemicals, industrial chemicals etc and they are being exported to more than 30 overseas countries. The company has Guangdong Famous Trade Marks like "Mie Hai Ling" "Aestar", "Qiang Li"etc, of which "Mie Hai Ling" aerosol insecticide was granted Chinese Famous Brand.

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A CONVERSATION WITH JÖRG PETER AND MARC OLIVER STAEHLE

MANAGING DIRECTORS OF G. STAEHLE GMBH & CO. KG IN STUTTGART / GERMANY

AEROSOL EUROPE: Your company is among the leading manufacturers of aerosol cans in Europe. Can you sketch in rough terms how G. Staehle GmbH & Co. KG has developed in recent years?

Jörg Peter Staehle: Our promise to ourselves is that we will be a quality leader. And this not just in the technical sector, but also when it comes to service. Delivering the right quantity to our customers at the right time with consistently high quality with a short lead time. With this concept, we have been able to expand consistently in recent years. We also hope to expand our market position in the future.

Marc Oliver Staehle: Here it helps us that even in crisis years we have constantly invested in automation and rationalization, as well as in the expansion and up-speeding of our systems, so that we are able to react as flexibly as necessary. In total, this means that today we have a capacity of approx. 350 million cans that we can make available to the market. With these investments, we want to continue to be competitive nationally and internationally, as we have been in the past.

AEROSOL EUROPE: You manufacture your cans of tinplate. Tinplate offers many advantages. One aspect is the complete recyclability of the material. What other advantages can you name that make this material attractive?

Jörg Peter Staehle: Tinplate is the best material for these cans. We believe this without exception. Naturally there are various reasons for this: It is truly essential and important that we are speaking of a material here that has an extremely high recycling quota. Tinplate is up to 100% recyclable, it can be recycled over and over again. The initial material for tinplate is steel, and steel can be sorted out easily in a recycling process because of its magnetic property. This also works in countries without appropriate collection systems.

Marc Oliver Staehle: Precisely from the sustainability point of view, tinplate is an ideal product. Aerosol cans of tinplate are light and stable and the material presents the additional advantage that during the printing of the cans, an outstanding brilliance is achieved, something that cannot be achieved with any other material.

AEROSOL EUROPE: In addition to the development and production of aerosol cans, you generally manufacture products that are custom-tailored to your customers' needs. How do you have to design processes and flows in this context?

Jörg Peter Staehle: Once upon a time, we were strong in the hinge-lid can sector. In order to focus completely on our current core business, however, we left this sector 10 years ago except for a tiny part of the business – pencil cans for two well-known manufacturers – and a few other niche products. We manufacture customer-specific

products at our subsidiary Müller & Bauer. The product line there ranges from drawn cans to three-piece cans on through to packaging for customers developed from aluminum and tinplate. Müller & Bauer has been making packaging since 1899 and has broad expertise when it comes to solutions in the packaging sector. The customers' requirements are formulated in our development and design departments in cooperation with the customers. We make the tools required for production in our own tool workshop.

AEROSOL EUROPE: What are your core markets?

Jörg Peter Staehle: Our markets are global, but nevertheless our core markets today are Central and Northern Europe. For the future, however, we are examining sales markets outside of Europe as absolute potential target markets.

AEROSOL EUROPE: What role do Central European markets play in your estimation and how do you regard the Russian market?

Jörg Peter Staehle: Clearly Eastern Europe is a growing market with great potential. Today we are active in adjacent markets and we are seeing positive developments there. In Russia, deliveries from Germany are relatively costly. Therefore in Russia, we would have to produce on-site.

AEROSOL EUROPE: What in your opinion are interesting growth markets for aerosol cans today and in the future?

Marc Oliver Staehle: We regard all markets on which we are not sufficiently represented today as growth markets. The European market is relatively stable with respect to the aerosol can. North America is an exceptionally interesting market, however a long-term, extensive engagement also always assumes production in these markets. Only with production on-site can complex delivery requirements and just-in-time deliveries be managed successfully.

AEROSOL EUROPE: The design of the can plays a big role. What do you do to detect current trends?

Jörg Peter Staehle: On the one hand, the tinplate can is very stable; on the other hand, it is not easy to process with respect to design and haptics. You can "shape" the tinplate can, we do this too. Nevertheless, the technical possibilities are not as great as for other materials.

Marc Oliver Staehle: Currently, we are successfully producing some shaped can designs that our customers use for premium products or for marketing purposes.

AEROSOL EUROPE: What innovations have there been at Staehle in recent years?

Jörg Peter Staehle: For a manufacturer of three-piece tinplate cans like we are, it is a very great challenge to manufacture monoblock or two-piece steel cans. These are innovation topics on which we have been concentrating. We have also developed new products in recent years, such as the 22.5 bar can and the two-chamber can. For us, innovation is not just product-related, it also includes production processes and technologies.

AEROSOL EUROPE: How high a priority is quality management at your company?

Marc Oliver Staehle: Quality is a very important topic at our company. The manufacturing of high-quality cans of even quality with a high degree of service is a high priority for us now as before. Therefore, we perform all processes in-house including tool manufacturing, for this is where the quality of the end product begins.

AEROSOL EUROPE: To what extent do national and European laws influence your business processes? We see you regularly at the IGA meetings, which are held twice a year.

Marc Oliver Staehle: We are represented as a member of many associations. Especially in Germany, the requirements posed for companies are extremely high. A medium-sized company cannot master the many legal requirements, ordinances and provisions all by itself. We need the associations, the special interest groups, and their advice. Therefore, we make sure that we are well-networked and informed, and of course that we fulfill all requirements.

AEROSOL EUROPE: Just a word about sustainability: We know that sustainable engagement is a high priority at your company. What do you do to fulfill this requirement?

Marc Oliver Staehle: Tinplate in and of itself is extremely sustainable, and our production processes are also sustainable. We have integrated state-of-the-art production systems, especially in the expansion of our location in Schifferstadt. Energy use is also very low. Heat reclamation is a big topic. For example, we have a new painting system that includes complete heat reclamation. The process heat is converted into heating for hot water, heating, etc. This way, we greatly reduce our CO_2 emissions.

AEROSOL EUROPE: What will be future challenges for our industry?

Jörg Peter Staehle: The challenges are certainly the new products such as plastic aerosol cans. However, two-piece and steel monoblock cans will also be great challenges in the future.

AEROSOL EUROPE: How do you regard the future of aerosol packaging in general?

Marc Oliver Staehle: The aerosol can is a promising product. The development of the tinplate can is especially promising. In the convenience area, life without the aerosol can is inconceivable.

AEROSOL EUROPE: We thank you for this conversation.

EIN GESPRÄCH MIT JÖRG PETER UND MARC OLIVER STAEHLE

GESCHÄFTSFÜHRER DER G. STAEHLE GMBH & CO. KG IN STUTTGART / GERMANY

AEROSOL EUROPE: Ihr Unternehmen zählt zu den führenden Herstellern von Aerosoldosen in Europa. Können Sie unseren Lesern in groben Zügen bitte skizzieren, wie sich die G. Staehle GmbH u. Co. KG in den letzten Jahren entwickelt hat?

Jörg Peter Staehle: Unser Anspruch an uns selbst ist, zu den Qualitätsführern zu gehören. Und zwar nicht nur im technischen Bereich, sondern auch im Service. Mit kurzer Vorlaufzeit unseren Kunden die richtige Menge zum richtigen Zeitpunkt in konstant hoher Qualität zu liefern. Mit diesem Konzept konnten wir in den vergangenen Jahren und wollen auch in Zukunft unsere Marktposition kontinuierlich ausbauen.

Marc Oliver Staehle: Dabei hilft uns, dass wir konstant – selbst in Krisenjahren – in die Automatisierung und Rationalisierung, sowie in den Ausbau und Up-Speeding unserer Anlagen investiert haben, um entsprechend flexibel reagieren zu können. Insgesamt hat dies dazu geführt, dass wir heute bei einer Kapazität von ca. 350 Mio. Dosen liegen, die wir dem Markt zur Verfügung stellen können. Mit diesen Investitionen wollen wir national wie auch international in Zukunft weiterhin wettbewerbsfähig sein, so wie wir das in der Vergangenheit bereits waren.

AEROSOL EUROPE: Sie stellen Ihre Dosen aus Weißblech her. Weißblech bietet viele Vorteile. Ein Aspekt ist die vollständige Recycelbarkeit des Materials. Welche weiteren Vorteile können Sie benennen, die diesen Werkstoff attraktiv machen?

Jörg Peter Staehle: Weißblech ist das beste Material für die Dosen. Das bejahen wir auf jeden Fall. Das hat natürlich auch verschiedene Gründe: Wirklich essential und wichtig ist es, dass wir hier von einem Material reden, das eine extrem hohe Recycling-Quote hat. Weißblech ist zu 100% recyclebar, es ist immer und immer wieder recyclebar. Der Ausgangsstoff von Weißblech ist Stahl und Stahl kann in einem Recycling-Prozess aufgrund seiner magnetischen Eigenschaft einfach aussortiert werden. Dies funktioniert auch in Ländern ohne entsprechende Rücknahmesysteme.

Marc Oliver Staehle: Gerade auch unter Nachhaltigkeitsgesichtspunkten ist Weißbleich ein ideales Produkt. Aerosoldosen aus Weißblech sind leicht und stabil und das Material hat den weiteren Vorteil, dass bei der Bedruckung der Dosen eine ausgezeichnete Brillanz erreicht wird, die bei keinem anderen Material erzeugt werden könnte.

AEROSOL EUROPE: Neben der Entwicklung und Produktion von Aerosoldosen realisieren Sie in starkem Maße Produkte, die auf die Bedürfnisse Ihrer Kunden zugeschnitten sind. Wie muss man sich die Prozesse und Abläufe in diesem Zusammenhang vorstellen?

Jörg Peter Staehle: Wir waren früher stark im Bereich Scharnier-Deckel-Dosen. Um uns aber auf unser heutiges Kerngeschäft voll konzentrieren zu können, haben wir uns vor 10 Jahren von diesem Bereich getrennt, bis auf ein Rumpfgeschäft – Bleistiftdosen für zwei namhafte Hersteller- und wenige andere Nischenprodukte. Kundenspezifische Produkte stellen wir bei unserer Tochter Müller & Bauer her. Das Produktprogramm dort reicht von gezogenen Dosen über dreiteilige Dosen bis hin zu speziell für Kunden entwickelte Verpackungen aus Aluminium und Weißblech. Müller & Bauer stellt Verpackungen seit 1899 her und verfügt über ein breites Know-How für Lösungen im Verpackungsbereich. Die Anforderungen der Kunden werden in unserer Entwicklung und Konstruktion in Zusammenarbeit mit den Kunden erarbeitet. Die für die Produktion erforderlichen Werkzeuge stellen wir selbst in unserem Werkzeugbau her.

AEROSOL EUROPE: Wo sehen Sie Ihre Kernmärkte?

Jörg Peter Staehle: Unsere Märkte sehen wir global, dennoch sind unsere Kernmärkte heute Mittel- und Nordeuropa. Für die Zukunft sehen wir allerdings auch Absatzmärkte außerhalb Europas als absolute potenzielle Zielmärkte an.

AEROSOL EUROPE: Welche Rolle spielen die osteuropäischen Märkte bei Ihrer Einschätzung und wie sehen Sie den russischen Markt?

Jörg Peter Staehle: Osteuropa ist ganz klar ein wachsender Markt mit großem Potenzial. Heute sind wir in den angrenzenden Märkten tätig und sehen dort eine positive Entwicklung. In Russland ist die Belieferung aus Deutschland relativ kostspielig. In Russland müsste man dann eventuell vor Ort produzieren.

AEROSOL EUROPE: Was sind Ihrer Meinung nach interessante Wachstumsmärkte für Aerosoldosen heute und in der Zukunft?

Marc Oliver Staehle: Alle Märkte, in denen wir heute noch nicht ausreichend vertreten sind, sehen wir als Wachstumsmärkte. Der europäische Markt ist relativ stabil mit Blick auf die Aerosoldose. Nordamerika ist beispielsweise ein äußerst interessanter Markt, allerdings setzt ein langfristiges und umfassendes Engagement auch immer die Produktion in diesen Märkten voraus. Nur mit einer Fertigung vor Ort können komplexe Lieferanforderungen und just-in-time Lieferungen erfolgreich bewältigt werden.

AEROSOL EUROPE: Das Design der Dose spielt eine große Rolle. Was tun Sie, um aktuelle Trends zu erkennen?

Jörg Peter Staehle: Die Weißblechdose ist einerseits sehr stabil, andererseits aber hinsichtlich des Designs und der Haptik nicht einfach zu bearbeiten. Die Weißblechdose kann man „shapen“, das machen wir auch. Dennoch sind die technischen Möglichkeiten nicht so gegeben wie bei anderen Werkstoffen.

Marc Oliver Staehle: Aktuell produzieren wir erfolgreich einige geformte Dosen-Designs, die unsere Kunden für Premium-Produkte oder zu Marketingzwecken einsetzen.

AEROSOL EUROPE: Welche Innovationen gab es bei Staehle in den letzten Jahren?

Jörg Peter Staehle: Für einen Hersteller von dreiteiligen Weißblechdosen, wie wir es sind, ist es eine ganz große Herausforderung, Monoblock- oder zweiteilige Dosen aus Stahl herzustellen. Das sind Innovationsthemen, die uns beschäftigen. Wir haben auch neue Produkte in den letzten Jahren entwickelt, wie beispielsweise die 22,5 bar Dose oder auch die Zweikammerdose. Für uns ist der Innovationsbegriff nicht nur produktbezogen, sondern umfasst auch Produktionsprozesse und –technologien.

AEROSOL EUROPE: Welchen Stellenwert hat das Qualitätsmanagement in Ihrem Unternehmen?

Marc Oliver Staehle: Qualität ist ein ganz großes Thema in unserem Unternehmen. Die Herstellung einer hochwertigen Dose in gleichbleibender Qualität mit hohem Servicegrad besitzt für uns nach wie vor einen hohen Stellenwert. Deshalb haben wir sämtliche Prozesse im Haus einschließlich der Werkzeugherstellung, denn hier fängt die Qualität für das Endprodukt bereits an.

AEROSOL EUROPE: Inwiefern beeinflusst die nationale und auch europäische Gesetzgebung Ihre Geschäftsprozesse? Wir sehen Sie ja regelmäßig auf den Tagungen der IGA, die zweimal im Jahr stattfinden.

Marc Oliver Staehle: Wir sind in zahlreichen Verbänden als Mitglied vertreten. Speziell in Deutschland sind die Anforderungen an die Unternehmen extrem hoch. Die vielen gesetzlichen Vorgaben, Verordnungen und Bestimmungen kann ein mittelständisches Unternehmen nicht alleine stemmen. Wir brauchen die Verbände, die Interessensvertretungen und deren Beratung. Insofern sind wir sehr gut vernetzt und informiert, und wir erfüllen natürlich auch sämtliche Anforderungen.

AEROSOL EUROPE: Noch ein Wort zur Nachhaltigkeit: Wir wissen, dass nachhaltiges Engagement in Ihrem Unternehmen einen hohen Stellenwert besitzt. Was tun Sie, um diesem Anspruch gerecht bleiben zu können?

Marc Oliver Staehle: Der Werkstoff Weißblech an sich ist schon extrem nachhaltig. Unsere Produktionsprozesse sind nachhaltig. Wir haben modernste Produktionsanlagen, insbesondere auch in der Erweiterung des Standortes in Schifferstadt, integriert. Der Energieeinsatz ist extrem reduziert. Wärmerückgewinnung ist ein großes Thema. Beispielsweise haben wir eine neue Lackieranlage, die eine komplette Wärmerückgewinnung beinhaltet. Die Prozesswärme wird umgesetzt in Heizwärme für Warmwasser, Beheizung, etc.. Damit reduzieren wir unseren CO_2-Ausschuss deutlich.

AEROSOL EUROPE: Welchen Herausforderungen steht unsere Branche in der Zukunft gegenüber?

Jörg Peter Staehle: Die Herausforderungen sind sicherlich die neuen Produkte wie beispielsweise die Plastik-Aerosoldose. Aber auch zweiteilige oder Monoblock-Dosen aus Stahl sind große Herausforderungen in der Zukunft.

AEROSOL EUROPE: Wie sehen Sie die Zukunft der Aerosolverpackung im Allgemeinen?

Marc Oliver Staehle: Die Aerosoldose ist ein zukunftsträchtiges Produkt. Insbesondere die Weißblechdose ist hier auf einem guten Weg. Im Convenience-Bereich ist die Aerosoldose eigentlich nicht mehr wegzudenken.

AEROSOL EUROPE: Wir danken Ihnen für das Gespräch.

90 JAHRE PETER KWASNY UND 50 JAHRE LACKSPRAYS „MADE IN GUNDELSHEIM“

PETER KWASNY, DER PIONIER DER LACKSPRAYDOSE, GRÜNDER UND INHABER DER PETER KWASNY GMBH, VOLLENDETE AM 21. JULI 2016 SEIN 90. LEBENSJAHR.

Fast sein gesamtes Berufsleben hat er als selbstständiger Unternehmer gearbeitet. Nach dem Notabitur 1944 ließ er sich 1945 mit 19 Jahren für volljährig erklären, um während seines Studiums zum Diplom-Volkswirt die Malzfabrik seines Vaters, der im Krieg verschleppt worden war, zu leiten.

Während seines Studiums knüpfte Peter Kwasny Kontakte zu amerikanischen Geschäftsleuten und brachte 1956 aus den USA die Idee mit, in Deutschland Lacksprays zu produzieren. 1958 startete er die erste Lackspray- und Lackstiftproduktion für Autos. Nach einigen Jahren trennten sich die Wege der damaligen Partner und Peter Kwasny gründete 1963 am neu geschaffenen Firmensitz in Gundelsheim die Peter Kwasny GmbH.

Vor 50 Jahren: 1966 lief in Gundelsheim das erste Auto-K Spray-Set, die „Lackierwerkstatt im Dosenformat“ vom Band. Dies war der Beginn einer unvergleichbaren Erfolgsgeschichte eines deutschen Familienunternehmens, die untrennbar mit dem Lebenswerk von Peter Kwasny verbunden ist.

Heute ist die Peter Kwasny GmbH einer der führenden Lackspraydosenhersteller in Europa und gilt als weltweiter Qualitäts- und Technologieführer für professionelle Sprühlacksysteme.
Die bekannten Marken der Peter Kwasny GmbH sind:
- Auto-K für Autolackausbesserungen
- belton für dekorative Sprühlackierungen
- SprayMax für professionelle Lackieranwendungen

Die Qualitätsprodukte von Kwasny sind in allen Anwendungsbereichen zu finden. Bei Heimwerkern, Handwerkern und Lackierprofis.

Kwasny arbeitet mit international führenden Lackherstellern zusammen und hat u.a. eigene Tochterunternehmen in Frankreich, Österreich, Schweiz, Tschechien, in der Türkei und in Nordamerika (USA, Kanada).

Peter Kwasny ist auch heute noch in die wichtigsten geschäftlichen Aktivitäten eingebunden und gibt seinem Unternehmen weiter Ideen, Impulse und Visionen. Tochter Sabine Kwasny-Grimminger und Sohn Hans-Peter Kwasny führen das Unternehmen in zweiter Generation, gemeinsam mit ihrer Mutter Gisela Kwasny und weiteren Geschäftsführern, erfolgreich weiter.

AEROSOL & DISPENSING FORUM 2016

PCD PACKAGING OF PERFUME COSMETICS & DESIGN

www.adf-pcd.com

2016

September 13 & 14

CONFERENCE PROGRAM AEROSOL & DISPENSING FORUM, NEW YORK

SEPTEMBER, TUESDAY 13 AM „ROOM A“

9:00 Opening of the exhibition

10:00 – 12:00
TUE1) Aerosol Technologies Production: Technical Advances and Innovations

Chair: Gilles BAUDIN,
Packaging Expertise Direction,
L'Oréal

TUE1.1 Introduction

- ADF&PCD: Origins and Why NY?
- The expectations of brands and consumers
- The Americas: large market
- What we can learn from each other
- Goals

TUE1.2 What's trending in Europe

Jo JACKSON,
Marketing & Innovation Manager,
Corporate Marketing & Innovation,
COLEP, UK

Jo's presentation is a dip into the European trends that are shaping the Personal Care and specifically the aerosol industry. With product examples, and thought provoking concepts, the presentation will reflect on consumer demands, evolving market needs, product and social trends and new technologies emerging, which could affect the industry's aerosol offer"

TUE1.3 The Impact of Bisphenol A (BPA) on Proposition 65 for Aerosol Can Coatings

Dr. Robyn McMILLAN,
Global Market Segment Manager for Monobloc Aerosol and Tubes,
PPG's Packaging Coatings, USA

In May of 2015, Bisphenol A (BPA) was added to the Proposition 65 list in California which will require notification of use in May of 2016. BPA is a primary building block for the epoxy polymers used in the majority of can coatings for the last thirty years and today. This change in California regulation has driven many food and beverage brand owners to convert or plan for conversion to Bis-phenol A Non-Intent (BPA-NI) coatings on a broad scale in the United States today. In this presentation we will review the impact of BPA on the California Proposition 65 list and discuss several BPA-NI coating alternatives available for use in aerosol packaging today.

TUE1.4 Digital Printing of Aerosol Cans

Alexander HINTERKOPF,
Managing Director, Hinterkopf GmbH,
Germany

With the digital printing machine D240 Hinterkopf is now using the digital printing technology for the decoration of aerosol cans. Photorealistic images with vibrant and vivid colors and pin-sharp texts open up completely new options for graphic design and product marketing. Even small editions or samples can be produced cost-efficiently at any time. No extra time is needed for change-overs and preparations prior to printing, such as changing the screens when the motive changes. The photo resolution of the D240 can reach outstanding values of up to 1200 dpi, printed texts are pin sharp even when smallest fonts of 2pt (positive print) or 3pt (negative print) are used.

TUE1.5 The Hybrid printed Bottle – Highspeed dry offset and digital printing decoration for metal-bottles

Siegfried CHRIST,
Sales Director, Mall//Herlan GmbH,
Germany

Differentiation of Alu Bottle cans: Half body shaping, full body shaping, asymmetric shaping, embossing, container development in-house at MH, we deliver the full package.
Line concepts: MH offers IE- and DWI technology as complete production lines.
Line upgrades: How to upgrade an IE line into a DWI line - MH has the solution.
Beverage can upgrades: MH has the technology to upgrade a standard Bevcan line into a Bottle Can production line.
Decoration: Up to now Dry- Offset with various specialities.
Hybrid - Decoration: MH offers the combination between Dry-Offset with Digital printing in 1 machine - pure flexibility to follow the market demands.
The basics of Digital printing, determining factors and how to integrate it into our Hybrid concept.
Investment and cost of digital printing
Production speed, line efficiency, ink consumption and ink cost as factors of batch sizes, ink coverage and print coverage.

Result: The fully Hybrid printed Alu bottle, for our customers unique selling point, product individualization to answer the new market requirements.

TUE1.6 Measure of sealing

Tom HUNTER,
Product Manager, EMERSON,
UK

Leaking cans that are not identified during manufacturing can lead to fires, explosions and damaged brand reputation. To combat these challenges Cascade Technologies introduces its online Aerosol Micro Leak detection systems, using Quantum Cascade Laser (QCL) technology.

The online micro leak detection system is used on aerosol production lines in conjunction with a control system and reject mechanism to manage the safe removal of faulty cans at speeds up to 600 cpm. The systems offer 100% leak checking of cans, are easy to install and have virtually no consumables.

Come learn about the ways Cascade can help you achieve aerosol filling excellence with the online Aerosol Micro Leak detection system.

TUE1.7 Innovations in Aerosol Metal Packaging

Daniel A. ABRAMOWICZ,
Ph.D., Chief Technology Officer,
Crown Holdings, USA

Including new decoration and manufacturing technologies, the integration of digital technology and concepts that provide new functionality for the consumer. The sustainability story for metal aerosol containers will also be discussed.

The discussion will demonstrate the importance of external partnerships to drive innovation in a well-established industry.

12:45 – 2:00 Lunch Break

SEPTEMBER, TUESDAY 13 PM „ROOM A“

1:45 – 2:15
TUE2) CSPA: US Regulatory advancements / CSPA updates

Douglas FRATZ,
Senior Science Fellow and Aerosol Products Division Staff Executive for the Consumer Specialty Products Association in Washington, DC,
USA

Overview of the current health of the U.S. aerosol products industry and the issues currently being addressed by CSPA relating to aerosol products. He will present data from the 2015 CSPA Aerosol Pressurized Products Survey on the unit production in the USA and in North America, and discuss the continued growth and innovations in the product form. Regulatory and legislative issues he will discuss include VOC and related air quality issues, ingredient communication, aerosol recycling availability, workplace, transport and hazardous waste regulations, new EPA legislative authority under TSCA, and sustainability efforts for the product form.

2:15 – 4:00
TUE3) Eco-design and sustainable development: challenges and prospects (Common Session)

Chair: Peter LAMBOY,
Director Packaging Development,
Kao Europe Research Laboratories,
Germany

Co-chair: Raphael AURAS,
School of Packaging,
Michigan State University,
US

TUE3.1 The Role of Packaging in Sustainable Development

Co-chair: Raphael AURAS,
School of Packaging,
Michigan State University,
US

Packaging systems can be used as a tool for sustainable development. However, consumers mostly associate packaging with the amount of waste created at its end of life cycle, and not with its main functions, containment, protection and communication. Creation of optimal packaging systems not only preserves resources, but it also can reduce the overall environmental footprint (EFP) of the entire product/package system. The EFP of product/packaging systems will be discussed using life cycle assessment (LCA) methodology. The presentation will focus on the end of life scenario of packaging systems and on reducing the overall EFP of the product/package system.

TUE3.2 Ecofriendly propellants- Choosing the right gasket for compressed air and nitrogen

Tristan WILCKEN,
Key Account Manager,
Globus Gummiwerke GmbH

Ecofriendly propellants like compressed air and nitrogen are a challenge for rubber materials / particular requirements will be explained.

Butyle vs. NBR: Which compound for which purpose. Comparisson of the two compounds. For this point we will carry out several tests with a partner from the aerosol industry and present the results

TUE3.3 Aerosol Innovation: Next Generation Technologies

Jason GALLEY,
Director, Global Innovation and Business Development,
Ball Aerocan Europe

Aerosol can manufacturers around the world continue to pursue innovative packaging solutions to meet their customers' needs. Increased interest from fillers to meet sustainability goals, cut costs, and win in increasingly competitive environments has pushed the industry to evaluate new and diverse canmaking technologies. Jason will compare and contrast various technologies that are garnering substantial attention in the global aerosol market. From alternative alloys, plastic aerosol, can manufacturing processes such as coil-to-can and two-piece tinplate, as well as existing and next generation technologies will be evaluated.

TUE3.4 Color Management Concepts for the MetalDeco Industry

Herbert NAEF,
Manager MetalDecoration Inks,
Sun Chemical AG,
Switzerland

CCM Systems in Detail

- What Equipment is needed, what additional tools can be added to these Systems
- Importance of Ink Databases
- How to get the best possible and reliable Results from Color Matching Solutions
- Base Ink Concepts
- Allow highest possible flexibility by developing Spot Colors in the shortest possible directly on site
- This allows optimized Ink Stock levels and minimized Transport Cost
- Color Communication
- Optimized concept to communicate color in order to avoid any misunderstanding.
- TurnKey Solution, Web Based System for multi site companies and/or Brand Owner
- Pantone Live Tool, The seamless, efficient Technology that saves time and money. It ensures that everyone throughout the processes is working with the same standardized Color Data
- Color Management Services

Sun Color Box with a variety of Modules to choose from to develop and optimise a tailor-made Color Management System.

TUE3.5 Industrial digital printing on aerosol cans

Paolo Venturelli,
TECHNOPACK S.r.l,
Italy

The digital technology in hollow bodies decoration is now a reality. The available solution named Michelangelo is an industrial application which can create new challenges both in production efficiency and new marketing proposals. A new era is rising, with many advantages such as photographic quality, variable data, anti-counterfeiting measures, no changeover downtime for decoration and much more. Michelangelo digital printing is a tool which allows a complexity reduction in industrial manufacturing of cylindrical containers.

TUE3.6 The Dual- let's make life easier with smart aerosol technologies

Lars FISCHER,
COO, Toyo & Deutsche Aerosol GmbH

Nozomi MORI,
Sales Overseas Representative,
Toyo Seikan Group, Japan

The "Dual"
- Packaging concept
- Packaging development
- Product categories
- The Dual in the Asian market

- Insight into the Asian market
- The Dual product concept
- Learnings
- Outlook

Break, Visit of the exhibition

4:30 – 5:15 ADF&PCD2016 New York Packaging Innovation Awards

Ceremony: Jury members :

Ken ADAMS, KAO USA Inc.
Rafael AURAS, Associate Professor at Michigan State University
Patrice BARRE, L'Oréal
Harry BENNET, BennEnt, L.L.C.
Hervé BOUIX, Estée Lauder
Andrew DENT, Material ConneXion
Hae Chang GEA, Professor, Director and Program Chair, Packaging Engineering Program, Rutgers The State University of New Jersey
Cindy HUNDLEY, Spray Technology Magazine
Jamie MATUSOW, Beauty Packaging Magazine
Detlev MELCHER, Aerosol Europe Magazine
Santiago PIEDRAFITA, PRATT Institute
Bernard QUENNESSEN, Coty
Henry RENELLA, Estée Lauder
Liz RITTER, New Beauty Magazine, USA
Marianne Rosner KLIMCHUK, Associate Chairperson, Packaging Design School of Art and Design, Fashion Institute of Technology FIT

Cocktail, 6PM Exhibition closes

SEPTEMBER, WEDNESDAY 14 AM „ROOM A"

9:00 OPENING OF THE EXHIBITION

10:00 – 11:45
WED1) Aerosol & Dispensing technologies: state of the art

Chair : Bernhard FELTEN,
Front End Innovation - Packaging,
BEIERSDORF AG, GERMANY

WED1.1 Open-Innovation „Pearl Finder"

Bernhard FELTEN,
Front End Innovation - Packaging,
BEIERSDORF AG,
GERMANY

- Reviewing what is meant by „innovation" in the special circumstance „FMCG and Aerosol"
- The scouting activities at BDF
- The „tool box"
- The tool „pearlfinder" and a little bit „success story"
- Invitation to the audience to participate

WED1.2 Spray performance: How to replace Magic by Science?

Ruben FRITZLER,
Group Technical Director,
PRECISION, Argentina

Brief review of the Parameters impacting the „Spray Performance".
Description of the process Precision is using to meet the right „Spray Performance".
Business cases and explanations
Conclusion: Precision is at your disposal to support your new developments.

WED1.3 Disruptive Aerosol Nozzle Technology

Russell HESTER,
Director, Specialty Products Group dlhBOWLES Inc.,
USA

Shridhar GOPALAN,
PhD, Manager for Corporate R&D dlhBOWLES Inc.,
USA

For decades, mechanical break-up (MBU) inserts have been widely used in aerosols to generate spray patterns and improve distribution of products but, over the years, there has been little innovation in insert/nozzle technology for consumer packaged goods. The most widely used technology is the Swirl MBU, and common knowledge has supported its proliferation. However, Swirl MBUs have inherent limitations of slow spray development, non-uniform distribution, round patterns and fine drops. We have developed a proprietary Fluidic MBU which produces a more uniform, fast developing, slightly coarser droplet and targeted pattern for those more difficult to spray applications or formulations. Our Fluidic MBU technology open doors for advances in the consumer spray experience and widens the design space for manufacturers when it comes to packaging and formulation. They also help reduce propellants, required can pressures and VOC levels.

WED1.4 Recent Trends and Developments in Aerosol Dispensing

Kevin G. VERVILLE,
Technical Service Manager,
Summit Packaging Systems, Inc.

Introduction and explanation of new patented compressed gas metered valve. US Patent #: 9254954

WED1.5 Continuous dispensing technology with no gas and its applications

Gadi HAR-SHAI,
CEO and CTO, Greenspense Ltd,
Israel

Continuous dispensing is the most convenient and efficient way to provide a positive consumer experience for spraying liquids and dispensing viscous materials. Today, continuous dispensing requires mixing the product with propellants, which restricts package designs and materials, increases shipping and handling costs, and complicates product formulation.

GreenSpense's Eco-sleeve™ technology eliminates the need for propellants in continuous dispensing, while providing the same positive consumer experience as today. The technology allows packaging designs in any shape and material including plastics, cardboard, and biodegradable materials. With Eco-sleeve™ a wide range of industries such as personal and home care products, technical, food, and pharma can benefit from advantages

including green chemistry and small package footprint, all using standard filling equipment.

WED1.6 Flow control and dispensing in personal care

Nicholas THORNE,
VP Research and Development,
Global Closure Systems

WED1.7 How can pharma inhaler nozzles create benefits for cosmetic applications?

Anne Mechteld MOSMAN,
Account Manager, Medspray,
The Netherlands

Wilbur de KRUIJF,
inhalation device expert, Medspray,
The Netherlands

Medspray develops, manufactures and supplies nano tech based Spray Nozzle Units. Since 2002 Medspray is developing nozzles for pharmaceutical inhalers, drug delivery to the lungs. From 2006 the Medspray devices are in clinical trials. The first Medspray inhaler, delivering antibiotics for Cystic Fibrosis, was presented earlier this year and will be on the market in 2019. Since the inhaler devices have entered the public domain, our nozzles also have caught the attention of the cosmetics industry, as apparently the requirements of a spray for the pharmaceutical industry also apply for the cosmetics industry: long actuation time (multiple seconds), narrow particle size distribution, tuneable spray cone and propellant free operation.

12:00 – 1:15 Workshop „INNOVATION, CREATIVITY and DESIGN“ ROOM „B“

WS_TUE1 How long will you be able to claim you're innovative without proving it ?

Pr Denis CAVALLUCCI,
Professor in Engineering of Innovation,
Deputy Director of Design Engineering Lab. (LGéCo - EA3938),
INSA de Strasbourg,
France

The recent start of ISO/TC 279, involving 34 countries including the USA, is problematical. It presupposes the impending introduction of standards on innovation, which will force enterprises not only to prove they have set up reliable innovation production processes but also that they have adopted, in this respect, a logic of continuous improvement. Have you ever asked yourself the question? What will I say to a client who questions me about the means of measuring my innovation and the proof I can provide to show my processes are in place, structured and efficient? May I reassure you right away. If you quote the ratio of patents filed per R&D engineer per annum or the reinvestment of a percentage of sales in R&D, that will no longer suffice.

This workshop is designed to provide information about forthcoming standards on this subject, discuss a few « good practices » already established by the pioneers of systematic innovation and clearly identify the challenges awaiting industry in this area by 2020.

Jack HIPPLE,
TRIZ and Engineering Training Services LLC,
Tampa, FL

TRIZ: What is it? What's different vs. traditional ideation and problem solving techniques? What's it's basis?

Illustrations of its use in the consumer, cosmetic, and retail business? Where are the opportunities?

Group exercise and takeaway.

Wayne FISHER,
Rockdale Innovation, USA

12:30 – 2:00 Lunch Break

SEPTEMBER, WEDNESDAY 14 PM „ROOM A“

2:00 – 4:00
WE2) Aerosols made of plastic: current status and prospects

Chair: Laurence JOLY,
Packaging Expertise - Dispensing & Aerosols,
L'Oréal

WED2.1 The status of industry supported research for plastic aerosol containers

Dan WITHAM, PARG

1. Background/PARG
2. Structure and types/# of company members of PARG
3. Recent activity, including methods developed and how to access those method
4. Future PARG Activity
5. Background/PTI

WED2.2 Aerosol made of plastic vs metal

Alfeo TECCHIOLLI,
R&D Technical Manager, Coster

The aim of the presentation is to highlight the differences between "std" aerosols (metallic can) and aerosols made from plastic bottles. The main features:

- Mounting cup
- Clinching
- Valve dimensions / actuator fitting
- Pressurization
- Propellants and compatibility.
- A quick look at the data from a sealing test will underline some differences between the two systems.

WED2.3 Safety of Plastic Cans in the US compared to Europe

Dr. Nora SCHIEMANN,
Consultant, working for Technopolis Group on the evaluation of the current European Aerosol Dispensers Directive, and Product Manager Personal Care and Home Care, TER CHEMICALS Distribution Group

WED2.4 PET Inner Pouches and their applications with PET Pressurized outer Containers.

Rigel MILLAN,
Director of Engineering,
Power Container Corp.,
USA

- Technical explanation of PET Inner Pouches
- Current applications in low and high pressure outer containers
- Opportunities and Applications with Clear PET Pressurized outer containers

WED2.5 Propellant and Compatibility with Different Materials (Including PET)

Prema KHANKA-BOHRA,
Global Marketing - Aerosols/Solvents,
Honeywell Fluorine Products,
USA

The talk about our propellant and focus more on compatibility with different materials (including PET).

Also about some new learning on solubility with water, it is a low toxicity, very compatible propellant.

WED2.6 Breakdowns in Europe, Prospects

Laurence JOLY,
Packaging Expertise - Dispensing & Aerosols, L'Oréal

WED2.6 Summary and Prospect

Cocktail

5:30 Closing of the exhibition

SEPTEMBER, TUESDAY 13 AM „ROOM B“

9:30 – 11:45
TUE1) Beauty & Make Up Enhancement, The Packaging Innovation Hub

Chair: Henry RENELLA,
Senior Vice President Global Package Development,
The Estée Lauder Companies,
USA

TUE1.1 Introduction

TUE1.2 Decision making process for sustainable packaging

Co-Chair: Hae Chang GEA,
Professor, Mary W. Raisler Distinguished Teaching Chair, Director and Program Chair, Packaging Engineering Program, Department of Mechanical and Aerospace Engineering, Rutgers, The State University of New Jersey, USA

Sustainable packaging has been one of the top priorities in packaging industries in recent years. One common tools for evaluating the environmental impact of packages is the Life Cycle Assessment (LCA). Because the LCA analyzes environmental impacts based on multiple environmental indicators, sustainability ranking of packages may be changed if a different environmental indicator is used. In this presentation, examples of sustainable packaging will be presented and a decision making framework based on the analysis results of the LCA will be introduced in order to produce better sustainable packages.

TUE1.3 How to create brand-enhancing packaging using virtual tools

Dan DURHAM,
Director global accounts, Plastic Technologies Inc. (PTI),
Holland, Ohio

Brand owners are continuously trying to bring products to market using shelf-differentiating containers. However, plastic container manufacturing can be complex, which means what looks beautiful on a computer screen or 3D model may not be feasible to produce in commercial quantities. That's where virtual tools and knowledge of plastic packaging production can make a difference between success or failure for your product.

Virtual tools, backed by process expertise, can help identify both performance flaws and production headaches. This helps take concepts, convert them to viable production ready designs, provide a degree of confidence that the package can be manufactured, as well as meet stringent performance parameters.

Plastic Technologies, Inc. (PTI) is recognized worldwide as the preferred source for preform and package design, package development, rapid prototyping, pre-production prototyping, and material evaluation engineering for the plastic packaging industry.

TUE1.4 Innovation vs. Renovation in Package Design

Alexander KWAPIS,
Creative Director,
Fusion Packaging,
USA

When it comes to your brand, what does innovation mean to you? Is it being the first to bring a new idea to market at a high cost, or understanding how to make incremental adjustments with quicker speed to market that makes your products more attainable?

Innovation is a "buzz word" in design often used inaccurately. True innovation combines novelty with a marketable product, and disrupts the industry by introducing newness and added value that doesn't exist elsewhere. True innovations come about every decade or so – including the World Wide Web, Apple iPhone, and airless pump technology in packaging – and address a need that the market may not have been aware of until that solution is provided. While these innovations are certainly memorable, they are always high-risk/high-reward and require considerable financial investment and human capital to bring ideas to life over time in an evolutionary manner.

Renovation, on the other hand, is an alternative approach to design that brings newness coupled with proven ideas or technology that is readily available. It is taking a concept that has already been introduced and accepted and asking, "How can we make this better?" At Fusion Packaging, we believe renovation is just as (if not more) important as disruptive innovation. This framework has driven many of our design projects over the past year, including the launch of our Shine FX laminate tubes and Direct Effect airless applicators – two examples of how Fusion improves upon existing design constructs to bring new functional, sensorial and decorative packaging advancements to the marketplace.

TUE1.5 Responsible Manufacturing and The Future of Fiber

Anisa Telwar KAICKER,
CEO and Founder,
Anisa International., Inc

Our capabilities include but are not limited to: creation of man-made fibers that mimic the performance and attributes of animal hair; a new ferrule facility to address new mandates from Chinese government; FSC certified wood; and FDA approved sterilization.

The Future of Fiber

Innovating around four key characteristics - quality, control, artistry and performance, we have developed a collection of patent-pending fibers that have never before been experienced in the marketplace.

TUE1.6 Engage Consumers with Sensory Materials

Darcy MEYERS,
Global Marketing Director,
Packaging, PolyOne,
USA

TUE1.7 How to anticipate web and industry 4.0 evolutions to imagine and develop engaging luxury packaged products?

Anne-Laure BULLIFFON,
M. Sc., Fondatrice et directrice Projets,
Profil'Pack Inc.,
Montréal, Canada

Since the early 1990s, the Internet is evolving fast, from basic publishing to global social interaction with challenging adaptation to a fast-paced interconnected environment. "Nomophobia", a contraction of "no mobile phone phobia" is a behaviour phenomenon inherited from the web 2.0, which is spreading gradually to the new generations. So-called «Millennial» and «Digital Native», consumers born from 1995 and 2015 are already fully digitally intertwined into everything they do. Even the factories are living a cyber revolution that is substituting mass production by a large-scale customized production without additional costs or time. According to the experts, the web 4.0 will be the Internet of ultra intelligent electronic agent, next generation of the Internet of Things (IoT). And it is coming faster than the last three iterations. Knowing these inevitable and global changes, what are the expectations and desires of "Millennial" and "Digital Native" toward the luxury brand goods? What are the general packaging-related technological advancements opportunities and area of development? How the packaging development team should adapt to imagine and develop engaging luxury packaged and smart goods? Finally, we will present the result of the Design Tank 2025 Experiment.

12:00 – 1:15 Workshop „INNOVATION, CREATIVITY and DESIGN“ ROOM „B“

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Illustrations of its use in the consumer, cosmetic, and retail business? Where are the opportunities?

Group exercise and takeaway.

Wayne FISHER,
Rockdale Innovation, USA

12:45 – 2:00 Lunch Break

SEPTEMBER, TUESDAY 13 PM "ROOM B"

2:00 – 4:00
TUE2) Fragrance & Perfume Sublimation - The Packaging Innovation Hub

Chair: Bernard QUENNESSEN,
V.P. Packaging Concept Design,
Fragrance American Brands,
COTY, USA

Co-Chair: Marianne Rosner KLIMCHUK,
Associate Chairperson,
Packaging Design School of Art and Design,
Fashion Institute of Technology

TUE2.1 Introduction

Chair: Bernard QUENNESSEN,
V.P. Packaging Concept Design,
Fragrance American Brands,
COTY, USA

- Innovation engine of the company
- Exceeding the brakes and limits
- The digital: what prospects?
- Being ready at the right time: what processs

TUE2.2 Design, Mockup, Prototyping & 3D printing

Jeremiah ANDRAN,
Innovations Manager,
Stölzle Glass Group

With the rapid development in prototyping technology, glass packaging companies such as Stoelzle can only benefit from the ability to create quick 3D mock-ups to troubleshoot possible issues/options before it becomes a problem.

Examples of this are:

- Analysing texture/engraving or text on a bottle by creating a partial 3D print at a 1:1 scale.
- Giving accurate representations of print and label areas.
- Producing multiple options or bottle surfaces for badge application.
- Creating caps/finishes and fittings to give a better understanding of what a complete bottle will look like, also helps with secondary packaging.
- Customers are able to make quick decisions on site with a prototype model in hand.
- Being able to model and render a bottle allows the customer to skip the "design agency" stage, saving them cost and time with a design that will actually work in glass.
- Production could benefit by making bespoke tooling for machinery in order to achieve better efficiencies.
- Helps with the innovation culture.

These are just a few of the examples and reasoning behind 3D modelling, creating mock-ups and 3D printing. If you do need more information, please don't hesitate to get in touch.

TUE2.3 The Glass Infini Neo: latest breakdowns

Sheherazade FOROUGHI-CHAMLOU,
VP Sales & Marketing,
SGD North America,
USA

Michel LEVISSE,
V.P of Product Development,
SGD North America,
USA

TUE2.4 Innovative Internal Coating Solutions for packaging

Maurice CORRIGAN,
VP Engineering and Development,
Heinz,
USA

Christophe WAGNER,
Founder of Glass Surface Technology,
France

Background:
- Glass Coatings & Design Trends
- Overview of packaging material challenges for pharma and cosmetic applications
- Innovative solutions
- Innovative Surface Design by GST
- Partnership with Heinz Glas, ISD Color
- Design, Compatibility and performance Testing results
- Observations / Conclusions

TUE2.5 The Art Of Spray

Etienne BRIERE,
Responsable Marketing Fine Mist,
ALBEA,
France

TUE2.6 Decoration as the path to personalization

Bruno SAVAGE,
COO, Seram America,
USA

Our thinking is that the experience of the perfume will become more and more personal and unique to each consumer – especially with regard to the personalization of perfume.

A new generation, the millennials, will influence the markets in the years to come; bringing with it a new set of expectations.

Digital technology will play a role in the experience (see second topic) and undoubtedly a personalization of the perfume itself will accompany the expanded offering of flankers as seen in recent years. Anything that will render the perfume unique in order to create a moment: an interesting experience for a generation that "has already seen it all"; the decoration / accessorization will be an important path to personalization (the decorative accessory will be among the easiest and most economical to personalize)

by using all the elements that we can decorate / finalize in-store (a trend that is already taking place on the high-end markets which is sure to expand across all sectors) and thereafter to apply directly onto the bottle / box (metal plaques, fabric appliques, plastics, pendants which can be engraved at the point of purchase online or in-store), or reusable versions / promotional objects that the client can use on a daily basis (bracelets, jewelry, keychains, etc. – attached hereto two examples of customizable bracelets currently in stores).

TUE2.7 Summary and outlook: The Design and Digital

Co-Chair: Marianne Rosner KLIMCHUK,
Associate Chairperson,
Packaging Design School of Art and Design,
Fashion Institute of Technology

4:30 – 5:15 ADF&PCD2016 New York Packaging Innovation Awards Ceremony Cocktail

Ceremony: Jury members:

Ken ADAMS, KAO USA Inc.
Rafael AURAS, Associate Professor at Michigan State University
Patrice BARRE, L'Oréal
Harry BENNET, BennEnt, L.L.C.
Hervé BOUIX, Estée Lauder
Andrew DENT, Material ConneXion
Hae Chang GEA, Professor, Director and Program Chair, Packaging Engineering Program, Rutgers The State University of New Jersey
Cindy HUNDLEY, Spray Technology Magazine
Jamie MATUSOW, Beauty Packaging Magazine
Detlev MELCHER, Aerosol Europe Magazine
Santiago PIEDRAFITA, PRATT Institute
Bernard QUENNESSEN, Coty
Henry RENELLA &, Estée Lauder
Liz RITTER, New Beauty Magazine, USA
Marianne Rosner KLIMCHUK, Associate Chairperson, Packaging Design School of Art and Design, Fashion Institute of Technology FIT

SEPTEMBER, WEDNESDAY 14 PM „ROOM B“

9:00 Opening of the exhibition

10:00 – 11:45 Wed1) Magnifying “consumer” packaging, new services

Chair: Patrice BARRE
L'Oréal Make up,
USA

Co-Chair: Santiago PIEDRAFITA,
PRATT Institute

WED1.1 Introduction

WED1.2 Consumer packaging and connectivity

Jonas SVENNBERG,
ZENITH DESIGN,
SWEDEN

Boosting customer experience using integrated electronics and connectivity is a lot about understanding your target group to ensure that you create relevant user value. Jonas will lead you trough a few basics in design methodology and will then show various examples of electronic integration and metafunctions from various packaging concepts.

Zenit Design is a design agency with 22 years in business and today has 35+ designers and engineers working in many long term collaborations with clients. We deliver design strategy, user insight, conceptual design, CGI visualisations, mechanical design, packaging design and more. Among our clients you find Astra Zeneca, Sony, Alfa Laval, Axis Communications, SCA, Mölnlycke Healthcare and more.

WED1.3 2025 - Bioplastics in rigid consumer packaging: applications, opportunities and challenges

Michel LABONTE,
Solegear Bioplastics Inc.,
Canada

Bioplastics will account for over 7 % of all plastics consumed in the world by 2020. From 2010 to 2020, volume of bioplastics will increase by 6 times. For 2025, some experts agree on a several additional folds' increase. Bioplastics and plastics are to become more and more present in our life. Using today definitions, what are the difference between bioplastics and biobased ones? Are they all biodegradable, compostable, can they be made durable, be recycled? Can they be suitable technical and economical choices for replacing petroleum plastics? Using definitions and emerging applications, principal bioplastics will be introduced with an emphasis on technical challenges encountered and their applications in the rigid packaging market. With today's research around bioplastics, some emerging bioplastics and opportunities will be presented as well.

WED1.4 Challenge conventional packaging for a sustainable future

Inger HEINKE,
Business Development Director,
Billerudkorsnas USA

BillerudKorsnäs cartonboard are made of primary wood fibres for maximum strength, print results and shapeability. Numerous demands are placed on premium cartonboard packaging. There is no room for compromise when it comes to protection of contents, consumer appeal, environmental performance, user friendliness or production feasibility. It comes down to the material itself and how we make it. Whether you're a packaging designer or brand owner, BillerudKorsnäs White is the first choice for luxury brands allowing you to create packaging with maximum functionality, strong visual impact and outstanding quality. In markets where the choice of material can be the decisive factor for premium brands, your products deserve nothing less than our flagship triple-coated cartonboard.

WED1.5 The French Touch: how to take advantage of inserts to enhance your brand

Véronique BROUAUX,
DS Smith Packaging Consumer,
France

The primary function of inserts for perfumes and cosmetics is to protect bottles and jars. Many finishes and techniques are today available to avoid shocks and bottles abrasiveness, but not only...

We propose during the conference to explain and show all the know-how developed in France not only for inserts to be protective but also a powerful mean to enhance and active a brand, thanks to:

Original designs and structures;
High value added raw materials and creative papers;
Multiple printing and finishing effects;
...
Technicity and addition of specific elements for marketing purposes.

Inserts are in addition today a way for brands more and more committed in. Sustainability to show their willingness to find environmental packaging solutions for their products, we propose to detail how during the conference.

WED1.6 Innovating in Olfactory Marketing by Combining Sophisticated Laser Cutting, Quality Printing and Cutting-Edge New Techniques in Fragrance Impregnation

Benoît FRASSAINT,
CEO, PO GROUPE

Since 2011 PO GROUPE has proven its efficiency in creating innovative olfactory media for the Perfume and Cosmetics industry. After several successful collaborations with Point to Paper, the companies created together Paper Emotion, dedicated to creating cutting-edge olfactory objects for high-end marketing campaigns.

Joep HOFFMANS,
President, Pronty Group

PAPER EMOTION offers a full service developing olfactory projects to showcase high-end brands in complete integration with third party media planning, from project specifications to realization and from relationships with media planners to delivery to the customer.

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WED1.7 Interactive packaging: current status of technologies

Herlé CARN,
Arjowiggins

12:30 – 2:00 Lunch Break

SEPTEMBER, WEDNESDAY 14 PM „ROOM B“

1:45 – 2:15 Material Insight: Cross-Pollination and Knowledge-Sharing in the Packaging Industry and Beyond

Dr. Andrew H. dent,
Vice President, Library and Materials Research at Material ConneXion,
USA

Cocktail

6:00 Closing of the exhibition

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V

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W

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A CONVERSATION WITH GILLES BAUDIN

DIRECTOR EXPERTISE PACKAGING AT L'ORÉAL (PARIS) AND PRESIDENT OF THE FRENCH AEROSOL ASSOCIATION (CFA) (PARIS)

AEROSOL EUROPE: Mr. Baudin, your engagement on the part of the international aerosol industry is enormous. For many years, you have been employed at L'Oréal and you have been President of the French Aerosol Association CFA since 2010. From that perspective, could you tell us in a few words what – with respect to aerosol technology and packaging – has made the greatest impression on you?

Gilles Baudin: With no hesitation, I would like to highlight the fact that the end user, the consumer, loves aerosol packaging. On average, we estimate that consumption in Europe is 10 aerosols per capita per year, in a wide range of very different applications. This means that the service provided to the consumer (quality of spray, ease of use, hygiene…) is still attractive. Many brand owners consider the aerosol to be an essential packaging form for high-performance solutions; no longer is it a trivial and undesirable product. Recent innovations and achievements in sustainability show that we can adapt this packaging to new consumer expectations. In this manner, the industry has been able to adapt itself to every evolution since the launch of the aerosols back in the 1950s.

AEROSOL EUROPE: What is the present situation of the French aerosol industry? Can you please give us some production figures

Gilles Baudin: The figures for 2015 are excellent. A new record 750 million aerosol units were produced in France! The pharmaceutical, family, and household sectors are the biggest contributors to this growth, but historic segments are also growing. This shows that the French aerosol industry has solid skills and expertise, at least in terms of filling.

AEROSOL EUROPE: Are there any special trends with regard to aerosols in the French aerosol industry?

Gilles Baudin: France is a country where legislators are very active, which puts our industry in the position of precursor in Europe concerning consumer protection, occupational safety, and sustainability. The ongoing ban on BPA is an example, and the global aerosol industry is driven by this concern from France.

AEROSOL EUROPE: Are there any issues that need to be discussed urgently in the French aerosol industry?

Gilles Baudin: I prefer the word "opportunity"! The recycling of aerosols in certainly one issue. We have noticed that aerosols are not always put in the correct bin, meaning that they are not handled the right way. This is a pity because metal (tinplate and aluminum) can be recycled infinitely. We need to inform and educate consumers and make their lives easier when the moment comes to throw the empty aerosol away.

AEROSOL EUROPE: You mentioned metal containers, but what about the use of plastic containers?

Gilles Baudin: This is another opportunity. FEA and obviously CFA are promoting another change in legislation to align the provisions for plastic containers provisions with the current ones for metal. Some new specific provisions will also be included to make sure that the end user safety is guaranteed. This evolution will open up business opportunities that all the players will have to pursue!

AEROSOL EUROPE: From your point of view, what are the main challenges of the CFA today?

Gilles Baudin: I would love to start with a figure…1300…which is the consumption of aerosols per minute in France! The responsibility of the CFA is to make sure that this market remains attractive for the brand owners and manufacturers, that the conditions are sustainable for all the actors, and that safety for all is guaranteed. The CFA represents the entire aerosol value chain, from cradle to grave, which is unique for a professional association: our membership is made up of brand owners, contract fillers, propellant manufacturers, valve and actuator suppliers, expert laboratories, etc. Thanks to this position, CFA is well-recognized by local authorities, nevertheless, the CFA has to enlarge its number of members so as to increase its representative powers. Each brand owner selling products on the French market but not producing in France should join us in order to benefit from our partnership and expertise. Companies involved in recycling are also welcome! This will increase the expertise of the CFA and its ability to be proactive.

AEROSOL EUROPE: Is the Aerosol and Dispensing Forum a good place to promote the CFA's activities?

Gilles Baudin: Definitely, yes! This yearly event in Paris is the place to be to meet with key players from the international aerosol and packaging industries. Thanks to the continuous collaboration with Oriex, which is now "Easy Fairs Oriex," the CFA is present at ADF each year, through its stand, its participation in the Aerosol Awards, and its annual General Assembly, which takes place during the exhibition. New members can meet directly with the CFA team to discuss its expertise, get our support for connecting with other participants, and apply instantly.

AEROSOL EUROPE: Mr. Baudin, we thank you for this interview.

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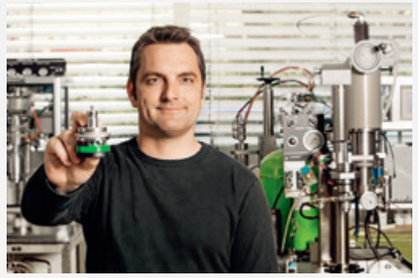

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INDUSTRIE-GEMEINSCHAFT AEROSOLE (IGA) E.V. EXTENDS AN INVITATION TO ITS MEMBERS' MEETING WITH FORUM IN MUNICH

THE INDUSTRIE-GEMEINSCHAFT AEROSOLE E.V. (IGA) INVITED ITS MEMBERS AND COMPANY REPRESENTATIVES TO ITS MEETING IN MUNICH ON MAY 25, 2016.

In the "Platzl" hotel in the center of Munich, the event began on the evening of May 24th with a tour of the Munich Residenz (royal palace of the Bavarian Wittelsbach family) and a get-together in the Schneider Bräuhaus near the hotel. People got "warmed up" for the next day and many good conversations were started there that continued during the forum. The Members' Meeting was opened by the Chair of the Executive Board, Volker Krampe, who provided details of the association's successful work in 2015 in the course of the annual report; he also thanked everybody who made the association's successes possible. Despite weak economic growth in Germany, numbers increased significantly for beauty and household care products, by 2.4% apiece, which was due primarily to private consumption. The filling figures provided in the production statistics, however, fell by 4.3% in 2015 to 1.33 billion cans.

As Bernhard Meier (Ardagh Metal Packaging Germany GmbH) of the PR Committee of the IGA reported subsequently, this can be explained by production shifts to other countries. In the largest market segment, cosmetic aerosols, production declined by 5.3% to approximately 900 million cans. Shaving foams and gels accounted for 32.5% of this figure. Production of hair sprays fell by 9.2%. Production of deodorants/anti-perspirants declined by 2%, while other cosmetic aerosols increased by more than 28% to 41 million filled aerosol packages, according to Meier. Production figures for household aerosols declined by 13.5% in 2015. The production drop for shoe and leather care products was pivotal here. On the other hand, there were increases of 25% and 33.3% respectively in two categories: insecticides and pest control and carpet foams. Production figures for room fragrance sprays declined by 4.5% in 2015. The figures for auto care products and color and paint sprays recorded an increase of 11.7% and 3.7% respectively. Meier then discussed the demand side of the German aerosol market; here, cosmetic aerosols were on the upswing again in 2015. Demand for deodorants and anti-perspirants increased by 3.6% to 244 million units as compared to the previous year. Sales of hair sprays fell by 3%, while shaving foams and gels increased slightly. All in all, Meier concluded that the various product categories developed quite diversely once again.

Together with Matthias Ibel, Managing Director of the IGA, Volker Krampe explained the annual report 2015 in brief; it was accepted unanimously. With the discharge of the Executive Board and Management, which was also granted unanimously, the Members' Meeting elected the following members of the Executive Board and Chair and members of the Chemical-Technical Committee (CTA):

Elected Chair of the Executive Board

Volker Krampe (Beiersdorf AG)

Election of two Deputy Chairs of the Executive Board

Dr. Rolf Bayersdörfer (Henkel AG & Co. KGaA)
Dr. Angela Stadler (Procter & Gamble Service GmbH)

Election of five additional Executive Board members

Andreas Guck (IGS Aerosols GmbH)
Manfred Lott (Kao Germany GmbH)
Dr. Heidi Lukasch (Precision Dispensing Solutions Europe GmbH)
Bernhard Meier (Ardagh Metal Packaging Germany GmbH)
Dr. Ludger Neumann (L'ORÉAL Deutschland GmbH)

Election of the Chair of the Chemical-Technical Committee (CTA)

Dr. Heidi Lukasch (Precision Dispensing Solutions Europe GmbH)

Election of the Deputy Chair of the Chemical-Technical Committee (CTA)

Christian Lübke (DALLI-WERKE GmbH & Co. KG)

Election of the members of the Chemical-Technical Committee (CTA)

Bernhard Banowski (Henkel AG & Co. KGaA)
Dr. Michael Bayer (Colep Bad Schmiedeberg GmbH)
Oliver Berger (G. Staehle GmbH u. Co. KG Blechpackungen)
David Bergmann (Euscher GmbH & Co. KG)
Johannes Burghaus (Procter & Gamble Service GmbH)
Christine Cajan (Kao Germany GmbH)
Dr. Thomas Döring (Henkel AG & Co. KGaA)
Michael Fürst (Ardagh Metal Packaging Germany GmbH)
Jens Georgi (TUNAP Industrie Chemie GmbH & Co. Produktions KG)
Dr. Gerd Goebel (Procter & Gamble Service GmbH)
Gerhard Gribl (Unilever Austria GmbH)
Frank Hamberger (Peter Kwasny GmbH)
Ingo Holste (Coster Tecnologie Speciali GmbH)
Dr. Heinz Theo Kämmerling (SCHARR CPC GmbH)
Judith Kaumanns (Procter & Gamble Service GmbH)
Volker Krampe (Beiersdorf AG)
Manfred Lott (Kao Germany GmbH)
Michael Meier (TUNAP Industrie Chemie GmbH & Co. Produktions KG
Beate Pelka (Kao Germany GmbH)
Dr. Andrea Sättler (Henkel AG & Co. KGaA)
Rolf Schiestel (MOTIP DUPLI GmbH)
Gebhard Schmidt (Thomas GmbH)
Dr. Jens Schulz (Beiersdorf AG)
Dr. Angela Stadler (Procter & Gamble Service GmbH)
Thomas Steinhöfer (Schwarzkopf & Henkel Production Europe GmbH & Co. KG)
Roland Voßen (MOTIP DUPLI GmbH)
Dr. Klaus Weber (IGS Aerosols GmbH)
Dietmar Wiest (Tubex GmbH)
Election of the Chair of the Public Relations Committee:
Bernhard Meier (Ardagh Metal Packaging Germany GmbH)
Election of the members of the PR Committee:
Janine Arnold (Henkel AG & Co. KGaA)
Christina Hoberg (Beiersdorf AG)
Eva Podlich (L'ORÉAL Deutschland GmbH)
Sarah Schüddekopf (Unilever Deutschland GmbH)

Election of the auditor

Enisa Sehovic (Precision Dispensing Solutions Europe GmbH)

Matthias Ibel continued his report about the work of the Chemical-Technical Committee (CTA) with the following topics:

- Adjustment of the aerosol directive to "15 bar"
- PAIR project for plastic aerosol cans
- Extensive evaluation of the aerosol directive
- FEA guidelines for water bath
- FEA briefing paper about 2-chamber cans
- Interpretation and enhancement of the CLP regulation
- He also provided updates about the VO, HFC, and "Safety" chemical prohibitions.

On the topic of "standardization/test methods," Michael Fürst (Ardagh Metal Packaging Germany GmbH) presented the results of member surveys on current drafts of FEA standards and the cyclical checking of DIN, CEN, and ISO standards.

On the topic of VOCs, Dr. Thomas Döring (Henkel AG & Co. KGaA) explained that currently there are no legal measures that would restrict the use of volatile organic compounds in aerosols. VOC emissions have declined significantly in Europe since 1990 and the currently-applicable goals for reduction have been achieved.

After the official Members' Meeting and the forum, Nicolai Landzettel of Data-Sec GmbH delivered an exciting lecture about "Cybersecurity," which inspired more exciting discussions among the participants.

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A CONVERSATION WITH EUGENIO SANTOS

PRESIDENT OF THE SPANISH AEROSOL ASSOCIATION (AEDA), BARCELONA/SPAIN

AEROSOL EUROPE: What is the present situation of the Spanish aerosol industry?

Eugenio Santos: I think it's good. Given the global economic situation and the sociopolitical uncertainty in Spain, it's very positive that our sector grows each year.

AEROSOL EUROPE: Could you please give us some production figures?

Eugenio Santos: I'm going to provide you with some figures from recent years: in 2012 Spanish production was around 272 million units. Since then there have been continuous yearly increases of between 3% and 6%, until production reached the levels we'd hoped for—310 million for 2015—and it's still growing. That is, over 15% in 3 years.

AEROSOL EUROPE: Harmonization and standardization are big issues in the European aerosol markets. What is the current state of affairs in the Spanish aerosol market?

Eugenio Santos: First I'd like to cite a few facts:

1. Spain is a member of the European Union.
2. Our Association, AEDA, is participating very actively in the FEA.
3. Within our sector, in Spain, the most important marketing firms work together with powerful distribution chains.

I wanted to present all of this to demonstrate that it's important to us, it interests us, and we're working for greater harmonization and standardization—there's no other way to go about it. I can only conclude that it's being worked on and it has advanced significantly.

AEROSOL EUROPE: What issues are most relevant today to be discussed on an international level?

Eugenio Santos: Along the lines of the previous question:

- Composition of formulas. Harmonization in the use of raw materials.
- Protection against unethical, invasive acts by other countries. Requirements that other EU countries, as well those who send products from other regions, comply with our standards.
- Protection of the interests of EU countries in the face of foreign interests.

AEROSOL EUROPE: Are there any special trends with regard to aerosols in the Spanish aerosol industry?

Eugenio Santos: I would say that there's a spirit of innovation and creation in our sector. Each year we see new aerosol products. The double-chambered packaging has helped with this, since it has allowed us to enter other sectors, such as food, certain cosmetics, and pharmaceuticals.

AEROSOL EUROPE: What is the main issue that needs to be discussed urgently within the Spanish aerosol industry?

Eugenio Santos: Fortunately I don't think that there are any matters that need to be dealt with urgently.

AEROSOL EUROPE: What are the goals you would like to achieve in the near future?

Eugenio Santos: Very simple: I'll refer back to the goals that I outlined when I assumed the presidency of the AEDA in 2010. I'll affirm and try to improve upon them as space allows.

- Reinforce and consolidate our economic structure. The success of the 2013 Madrid Congress helped us with this.
- Increase the number of Association partners.
- Rejuvenate the organs of the Association, such as the Board of Directors and the committees.
- And above all else maintain harmony, friendliness, and familiarity among all of our members.

AEROSOL EUROPE: How do you see the future of the aerosol?

Eugenio Santos: I'm an optimist. Imagine—I've been working in this sector for 40 years now, and I've seen all types of changes, innovations, crises, outsourcing, globilization, etc... And aerosols have weathered all of this perfectly. This tells us something about the virtues and benefits of using aerosols in the new and different ways that are arising now and that will arise in the future.

Thank you so much for giving me the opportunity to voice my thoughts in your publication, which I believe is the most important of its kind in Europe.
I hope we can continue these conversations.

AEROSOL EUROPE: Mr Santos, we thank you for this interview.

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AEDA FORUM 2016 IN VILAFRANCA PENEDÈS (BARCELONA)

AT THE BEGINNING OF JUNE, TO BE PRECISE ON JUNE 2, 2016, THE SPANISH AEROSOL INDUSTRY CAME TOGETHER FOR ITS ANNUAL MEMBERS' MEETING WITH FORUM IN VILAFRANCA PENEDÈS, NEAR BARCELONA.

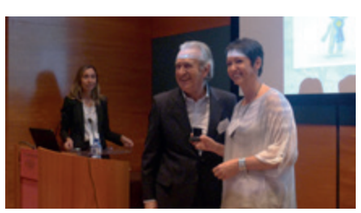
The Spanish aerosol association AEDA selected the world-renowned Torres Vineyard as the location for the forum; it produces internationally successful top wines and offers an excellent environment for trade events of this quality.

The participants' mood was accordingly good and the well-organized lecture program began after a short greeting by the association's president Eugenio Santos and the secretary David Cuberas. First came general information about the association's work in the past year, aerosol trade events, publicity work, the association's current Web presence and its greatly-increased visitor figures, and the presentation of production figures for the Spanish market. The current production statistics are included in this article. Next came reports from the technical committee, as well as the annual report and the 2016/17 budget plan, presented by Jose Luis Macias.

The guest lectures by Mr. de la Mora (Lant Abogados) and Mr. Alegria (Sun Chemical s.a.) concluded this year's AEDA forum.

Praise for the Spanish aerosol association: Once again, the event location was very well-chosen, because the conference could be conducted very professionally thanks to the possibilities of a location designed for this kind of event. And the subsequent, very elegant get-together, which was held in the nearby restaurant "Mas Rabell" under the guidance of award-winning chef Sergi Millet, fulfilled all of AEDA's expectations.

MARKET STUDY AEROSOL PRODUCTION	2015
Category	**(000) units.**
DEODORANTS/ ANTIPERSPIRANTS	75.900
HAIR MOUSSE	10.900
HAIRSPRAYS	25.300
SHAVING MOUSSE/ SHAVING GEL	7.700
OTHERS	3.300
PERSONAL CARE	**123.100**
INSECTICIDES	39.500
CLEANERS/ SHOES/ OTHERS	17.900
AIR FRESHENERS	39.800
HOUSEHOLD	**97.200**
AUTOMOTIVE PRODUCTS	2.700
PAINTS & VARNISHES	16.500
INDUSTRIAL & TECHNICAL PRODUCTS	5.500
MISCELLANEOUS	40.600
OTHERS	**65.300**
TOTAL	**285.600**



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NEWS

AIR WICK LIFE SCENTS PRODUCT USING DISPENSING SOLUTIONS DEVELOPED BY PRECISION GLOBAL RECEIVES IF DESIGN AWARD FOR PACKAGING

Precision Global ("Precision"), a leading global manufacturer of valves, actuators and other dispensing solutions serving a variety of end markets, today announced that Reckitt Benckiser Group PLC's (LSE: RB) ("RB") Air Wick Life Scents product, which features a custom-designed Precision dispensing solution, received the prestigious iF Gold Award for Packaging at the 2016 iF Design Awards conference held in Hamburg, Germany.

RB selected its global partner, Precision, to develop the innovative technology behind the new Air Wick Life Scents packaging, which included designing the ideal configuration of aerosol dispensing components as well as overseeing the design and manufacturing of a customized actuator component. The resulting product that RB presented to consumers offers an exquisite aesthetic that does not compromise any functionality. Markus Raab, Chief Commercial Officer for Precision Global, said, "We congratulate RB and its packaging team for creating this award-winning product. The iF Design Gold Award is a tremendous accolade, and is a symbol of excellence in the eyes of consumers and manufacturers across the globe. Precision is proud to have taken a compelling idea and developed it into a highly-functional packaging product."

Mr. Raab added, "At Precision, we are committed to being a strong partner to our customers, applying our technical expertise across a range of innovative products. We value the opportunity to partner with leading companies like RB in their efforts to turn ideas into reality."

This year's iF Gold Award winners were chosen by a jury comprised of 58 high-profile international experts, who selected a total of 75 winners from a record-setting nearly 5,300 entries across more than 50 countries.

The Air Wick Life Scents aerosol product is ergonomically designed and provides an appealing combination of leading style and premium in-use experience. Specifically, the spray can is comfortable to use with one hand and has the capability to release varying volumes of scent at one time. Apart from its functional benefits, the unique packaging helps the product achieve a stand-out effect on the shelf.

BAMA INVITE ENTRIES FOR 2016 AWARDS

BAMA (the British Aerosol Manufacturers' Association) Awards entry form is now available to download from the BAMA website and is open to all BAMA members at: www.bama.co.uk/forum. Now in their eighth year, the BAMA Awards recognise and promote the high standards in the UK aerosol industry and are a valuable way of promoting businesses.

The Awards will be presented at a gala dinner on the evening of 19th October 2016. Members and their guests will be entertained by the acclaimed comedian, former policeman and raconteur, Alfie Moore, a popular after-dinner speaker. The event will be held at The Belfry Hotel in Sutton Coldfield.

2016 sees the introduction of four new award categories including: New Aerosol of the Year; Process Safety and Training Sustainability and Aerosol Packaging. There will also be a 'Lifetime Achievement Award' nominated by the BAMA Executive.

There will be rewards for BAMA members who enter the Awards and prizes worth a total of £3000 for the companies which are picked as winners or runners-up in the four Awards' categories.

Companies engaged in any aspect of the aerosol industry but which are not already members of BAMA, may enter the Awards and apply to attend the Forum and gala dinner as long as they have applied for membership and have their application accepted before 7th September 2016 which is the closing date for entries.

The event will showcase some of the latest innovations within the aerosol industry and highlight many of the UK's success stories. It also provides an excellent opportunity for networking within the industry.

Patrick Heskins, Chief Executive of BAMA, says: "The UK aerosol industry continues to go from strength to strength. The BAMA Awards helps to recognise the hard work and endeavour of the industry in important areas such as Innovation and Sustainability. I look forward to seeing another set of high quality submissions from members."

NEW BAMA GUIDE ON SAFE WAREHOUSING OF AEROSOLS

BAMA, the British Aerosol Manufacturers' Association, has published the latest edition of its thorough guide 'The Warehousing of Aerosols: A BAMA Guide to Safe Storage'.

This is the 5th edition of this invaluable publication for those engaged in storage and handling of aerosols.

It covers the general requirements for safe storage; regulations; safety issues; control of hazards; and the safe disposal of aerosols.

Dr Paul Jackson, BAMA's Technical Director, said: "Storage of filled aerosols requires careful consideration because of the risks associated with flammable propellants and liquids in order to avoid warehouse fires. The storage of filled aerosols has been the subject of much study by BAMA. The purpose of our guide is to help maximise safety levels in aerosol warehouses, whether in large or small operations".

The key changes in this edition of the Guide are amended guidance notes on the COMAH regulations following the changes in 2015 whereby a hazard category - 'flammable aerosols' - was introduced. In addition, the Guide contains some new Annexes to highlight the many changes in the regulations, many of which will only affect larger warehouse operators.

Advice on retail storage of aerosols is available, free of charge, from BAMA in a separate publication: 'Guide to Retail Storage and Display of Aerosols'. For copies of either of these Guides, email enquiries@bama.co.uk.

For members of the Association the Warehousing Guide is free of charge, for non-members there is a nominal fee of £100.

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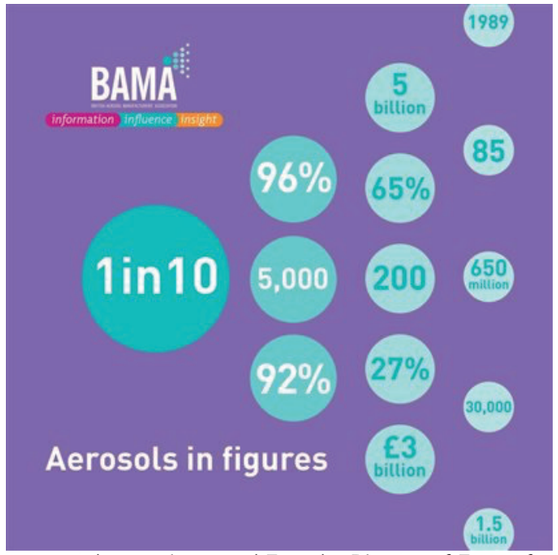
BAMA 'HIGHLY COMMENDED' IN TRADE ASSOCIATION FORUM (TAF) BEST PRACTICE AWARDS

The British Aerosol Manufacturers' Association has been awarded a special commendation, the only trade association to do so, in the 'Publication of the Year' category at the recent Trade Association Forum (TAF) Best Practice Awards for its 'Aerosols in Figures' booklet. BAMA was one of five short-listed associations and attended the dinner and awards ceremony in central London on the 7th July.

This is the 14th awards dinner run by TAF and Mark Durden-Smith, TV broadcaster and commentator presented the awards.

Aerosols in Figures is a factual journal noting key facts and data about the industry. It includes a chart showing the UK sector's filling figures covering every year since 1965, providing a fascinating record not only of a changing industry but of changing fashions and habits amongst the population.

The publication carries a Foreword by the renowned environmental campaigner and Founder Director of Forum for the Future, Jonathon Porritt.



The judges commented: "data heavy publications can make for a very dull read, but the design made the contents not only readable, but an enjoyable and engaging read."

Aerosols in Figures was produced by the trade association's communication consultancy, Axiom Communications, in conjunction with BAMA and designed by Sue Rentoul Associates. The Awards event was attended by BAMA's CE Patrick Heskins, its Communications Manager, Amy Falvey and Axiom Communications' Director Jo Jacobius.

Patrick Heskins says: "We are pleased to have Aerosols in Figures recognised by industry, making information about the aerosol sector more accessible is a benefit to both those who work within the area as well as those who wish to learn more about it."

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Aerosol & Dispensing Forum	New York	13. - 14. September 2016	www.aerosol-forum.com
29th FEA International Aerosol Congress & 18th International Aerosol Exhibition	Istanbul	4. - 6. October 2016	www.aerosol2016istanbul.com
LUXE PACK	Monte Carlo	21. - 23. September 2016	www.luxepack.com
Salon de l'Emballage Paris	Paris	14. -17. November 2016	www.all4pack.fr
COSMOPROF Asia	Hong Kong	15. - 17. November 2016	www.cosmoprof-asia.com
CSPA 103st Annual Meeting	Fort Lauderdale	4. - 8. December 2016	www.cspa.org

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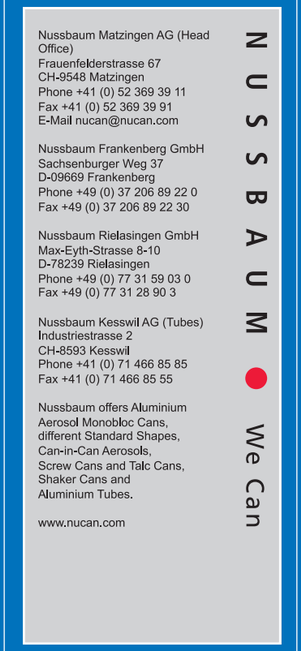

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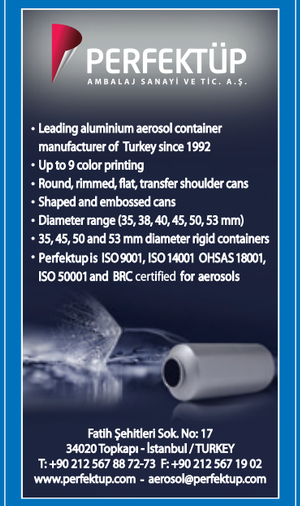

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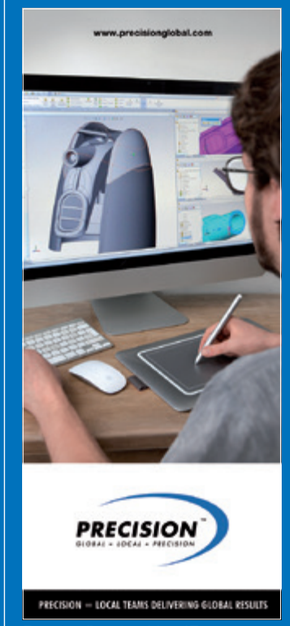

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