

ASIA Plastics Processing Technology & Innovative Materials Summit 2018

6-7 September, 2018 | Jakarta, Indonesia

JS Luwansa Hotel (Ballroom B)



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Organizer

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Connecting industry through information exchange!

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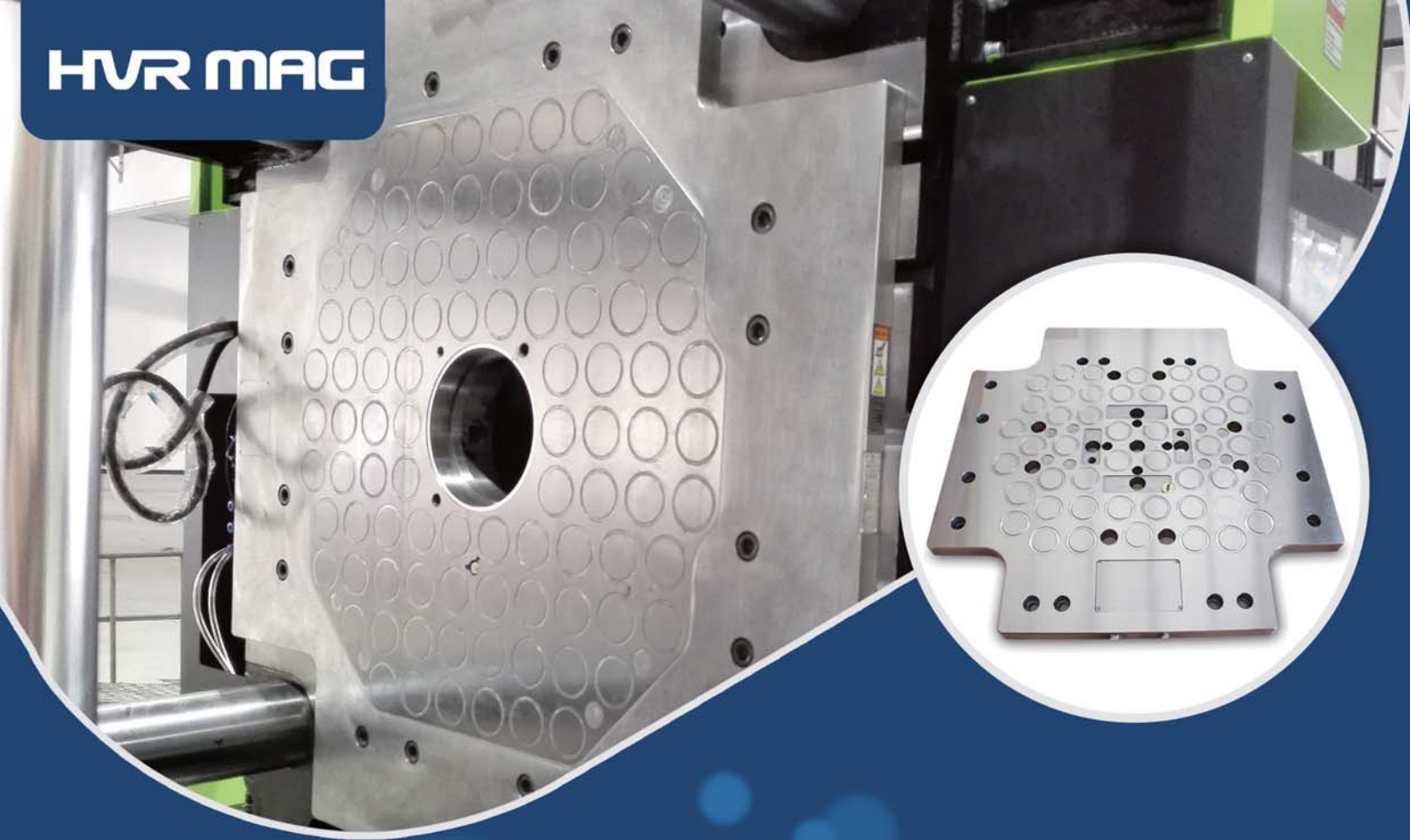
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HVR MAG



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safety

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HVR Magnetics Co., Ltd
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2018 ASIA Plastics Processing Technology& Innovative Materials Summit

Organizer Overview

Ringier Trade Media Ltd. / Ringier Events



Ringier Trade Media Ltd.

Ringier Trade Media Ltd. is a leading B2B industrial information provider, providing industrial leaders in China, Asia and the Middle East with the technical information, solutions and applications they need to improve their manufacturing and marketing capability through multiple media platforms that include print (industry trade journals), online (www.industrysourcing.com), events, digital marketing, iPad, iPhone and Android devices.

With award winning editorial content that cover 18 major manufacturing sectors such as Plastics& Rubber, Metalworking, Coatings & Ink, Household & Personal Care, Packaging, Pharmaceutical, Food & Beverage, Automotive..etc. The company has been successfully linking buyers and suppliers in China, Asia and the Middle East and the rest of the world to the mutual benefits of all parties.

Shanghai Ringier Conference & Exhibition Co., Ltd.

Taking advantage of powerful media resources, Ringier Conference covers the industries of plastics, food, personal care, medicine & health care, nonwovens, coatings & ink, automobile, metal, mold & die, package, composite material, and the latest technologies. Since 2003, we organize over 20 high level conferences bringing industry leaders together for information exchange and networking opportunities in China and successfully extend into S.E.Asia from 2014.

A series of conferences in S.E.Asia that cater specifically to industry verticals like metalworking technology, plastics processing, automotive, food beverage processing & packaging representing growth sectors in many S.E. Asia countries. These sectors require high levels of technology and upgrading to meet the growing needs of sophisticated consumers both domestically and for export markets.

Conferences organized by Ringier not only provide industry leaders with the latest technologies, but also help Greater China enterprises innovatively explore new markets. For more information, please visit www.ringierevents.com



2018 ASIA Plastics Processing Technology & Innovative Materials Summit

From the President: Mr. Mike Hay



Welcome Speech

Good morning, ladies and gentlemen. Last year at this same time, we launched the ASIA PLASTICS PROCESS and INNOVATIVE MATERIALS SUMMIT here in Jakarta. The event, organized by Ringier Events in partnership with Indonesian Packaging Association (IPF), Indonesian Plastic Recycling Association (ADUPI), and other associations, successfully gathered industry experts and industry professionals in Indonesia and other parts of Asia in a two-day information-packed summit. This year, Ringier Events is happy to welcome you all once again for the second edition of this SUMMIT.

I would like to express my gratitude to all of you for joining us here today: the speakers who came all the way from China, Taiwan, Hong Kong, Singapore, Thailand, and as well as those from across Indonesia to share their expertise through informative technical presentations. The diversity of topics and sectors that will be covered in the next two days reflect the importance of this event in Indonesia's fast growing industrial sector.

I would also like to acknowledge our sponsors who continue to support this Summit: Frigel Asia Pacific, Demag Plastics Machinery (Ningbo), Asia Pacific Trinseo, L.K. Machinery International Limited, Dongguan Hejin Plastic Machinery Co., LTD, Fomtec Plastic Machinery (Guangzhou) Co., Ltd, Ever Polymer, and Labthink. But most important, I'd like to acknowledge the presence of the delegates, YOU, who represent the growth sectors in the plastics industry in Indonesia and across the region.

We all know that the Southeast Asian region presents many business opportunities given its huge market; a GDP of US\$2.6 trillion and over 622 million people. The Southeast Asia's plastics market is expected to grow by more than 6% annually during 2018 to 2023, thus creating excellent business opportunities for you. Frankly the China-US trade situation, which in my view is going to get worse before it gets better also provides Asean countries with some interesting business opportunities, and you can expect to see a further migration of manufacturing companies from China relocating here.

As the largest economy in Southeast Asia, Indonesia, with a population of more than 261 million is an attractive market with several sectors - such as automotive, packaging, consumer electronics and building/construction - projected to post strong demand for advanced technologies and high performance materials in the next five years and beyond.

So In the next two days, we will hear from experts such as: Mr. Henky Wibawa who will talk about Industry 4.0 as it impacts the packaging sector; Mr. Claudio Domasi who will discuss the importance of intelligent cooling solutions for the plastics industry; Mr. Frans Mandeko who will talk about collaborative automation in the wake of Industry 4.0 era; and Mr. Billy Tjang who will provide an overview on the growing plastics production trend in Indonesia.

In the area of high performance materials, we have Mr. Widodo to talk about injection plastic productivity improvement using Microsphere filler; Mr. Kenneth Lam to share with us the latest breed of resins ideal for a variety of industries; Dr. Asmuwahyu Saptorahardjo to present how starch can be processed into biodegradable bags; Mr. Tan Wei Kar who will provide an interesting presentation on how TPEs can be applied in various industries; and Mr. Stefan Barot who will share how a new generation of polylactic acid or PLA can be effectively applied for packaging, as well as present end-of-life solutions.

Of course, we won't forget the issue of environmental protection and this Summit will cover this concern through several presentations. We have Ms. Christine Halim to talk about the challenges of the plastic recycling industry in the era of Industry 4.0; Ms. Emenda Sembiring will share with us the potential use of plastic waste for pavement; while Ms. Retno Hapsari will present how transformed trash can change lives. Please check the program for all of the presentations and at the end of each presentation, time permitting ask questions and voice your own ideas to add value to your participation.

2018 ASIA Plastics Processing Technology & Innovative Materials Summit

From the President: Mr. Mike Hay



Welcome Speech

To further enhance the networking and free exchanges among delegates and speakers, there is also the Panel Discussion where the main topic will cover innovative technologies and their contribution to Indonesia 4.0.

Please do make sure you visit our sponsors' booths to learn more about how these companies can help you in your business. These companies have products and services that can really help you in your business. We have also set up a Buyer – Supplier match making service where delegates can arrange one- on-one meeting with the sponsors at a time convenient to you. Please submit your meeting requests to our staff at the help desk as soon as possible to set up your meetings.

This evening we have a cocktail party and if you wish to attend please register at our reception desk. I Hope to see many of you there.

Please join the WhatsApp discussion group specifically created for this event where you can pose questions, share comments , pictures etc. You will also find the QR Code for online feedback on the cover of conference folder, please fill it in and show the screenshot to our staff in order to enter the lucky draw. Your comments and suggestions will be very important to us. In particular we would like to know what content and where we should hold next year's event!

This by the way is an important year for us – 20 years in Asia , and 14 years ago we also launched International Plastics News for Asia – and still going very strong I'm pleased to say, along with many digital products and services. So I am very honoured to be celebrating our 20 th year with you here in Jakarta.

Thank you and I wish all of you success, with new ideas and more business contacts established during this two-day event!

*Michael Hay
President
Ringier Trade Media Ltd.*

**2018 ASIA Plastics Processing
Technology & Innovative Materials Summit (September 6-7, 2018)****Information for Participants**

Conference Secretariat: The secretariat is at **Ballroom B, the 1st Floor** in JS Luwansa Hotel. We expect this conference to be valuable to both of us and a successful cooperation.

Amber Chang amberchang@ringier.com.hk :+886-956 311 579

Zoey Kuo joeyinkuo@ringier.com.hk :+886-913 017 966

1. Registration

Please sign in at **Ballroom B, the 1st Floor** in JS Luwansa Hotel during **08:00 am to 09:00 am on September**

6. We will provide delegate badges and conference folder based on the reserved delegate list. Please provide us your **business name card** for our sign in work so we can prepare further services for you.

2. Delegate badge

For your convenience in entering conference venue, enjoying snacks and meals, **please always wear your delegate badge**. (We use different badge strips to identify attendants, blue for the delegates, silver for the sponsors, and red for speakers.)

3. Conference folder

The conference folder is distributed at the 1st day. **One copy per delegate**. Please come to the registration center to get your folder before the conference begins.

4. WhatsApp discussion group

Please join **WhatsApp discussion group** for better onsite communication among the conference attendees. First, download WhatsApp application from Google play or APP store. Second, register your WhatsApp account, then scan this QR Code

You will see the latest updates of the conference time to time once you are in this group.

**5. Lunch**

We offer cafeteria lunches **in Olam restaurant at ground floor** during the conference period. Please bring your delegate badge **with lunch coupon** to the Olam restaurant.

6. Questionnaire

Please **scan QR code on folder cover to fill in online questionnaire**. Your suggestions are important for us to improve our service. **Please show conference secretariat the screenshot when finish, we will check and take your badge for lucky draw.**

7. Lucky Draw

In order to appreciate all your support, we prepare a lucky draw for you at the end of the conference. Please fill in online the questionnaire completely to join the lucky draw activity in session.

8. Match-making service:

In order to promote the communication among the attendees, we offer you the matchmaking service, in the **Business Center, Ground Floor** to meet & talk face to face.

Attention:

1.Any distribution activity of company propaganda is forbidden except for the authorized supporters.

2. Please switch your cell phone into either vibration or silent mode.

3.All participants shall keep your own personal belongings safe during the tea breaks and lunch times and prevent your own personal belongings from being stolen. The conference organizer is not liable for damage, injury, and loss of personal belongings before, during and after the event.

Thanks for your cooperation !

Media

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Extensive Quality Data Base

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20
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With 20 years of professional experience, Ringier Trade Media Ltd is constantly striving to create new marketing opportunities for its partners. By utilizing the latest technologies and media channels we provide interactive "peer-to-peer", cross-platform and multimodal communication. We offer integrated media strategies to help you communicate with your customers, generate sale leads and enhance your brand value.

Let us work together to meet the challenge ahead & create new business opportunities for you, for the next **20** years.

2018 ASIA Plastics Processing Technology& Innovative Materials Summit



Frigel Asia Pacific Co., Ltd.

Since 1960, smart manufacturers have been partnering with Frigel to achieve maximum efficiency, reliability and performance in their operations through Intelligent Process Cooling. Companies that strive for operational excellence seek us out for our record of ongoing innovation in industrial process cooling and temperature control technology, designed in Italy and backed by global support. The real difference at Frigel is that our people know processing as well as we know process cooling, every day we put that knowledge to work for you.



Ecodry: The Ecodry is a closed-loop dry cooling system which will help you save your money by drastically reducing energy and water consumption, minimizing the need for costly chemical consumption, completely eliminating chemical discharges, offering an economical installation and eliminating the majority of maintenance compared to cooling towers. Frigel's modular approach allows production facilities to install economical systems that can be easily expanded.



Heavygel: Air-cooled heavy-gel central chillers provide maximum cooling performance, highly economical choice for processors which do not have a separate water system for condenser cooling and need only one water temperature supply to process. Frigel has engineered chillers to bring you the best possible results, including a variety of models and options accommodating many industry needs, environmental protection with ecological R134a gas, h-efficiency screw or scroll compressors and microprocessor with an easy-to-use interface for complete, easy management.



LK Machinery specializes in design, manufacture and sales of Plastic Injection Molding Machines, Die Casting Machines & CNC Machining Centers since 1979. With 6 production bases in China, 1 in Taiwan and 1 in Italy (Idra srl) and over 60 sales offices & service centers in more than 20 countries, LK strives for providing the cost-effective platform for the world's manufacturing needs. Customers' success is our top priority. Our forward thinking professionals make every effort to solve our customers' latest manufacturing needs, by providing fully-integrated, one-stop solutions for die casting, plastic injection molding, and machining processes.



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Trinseo (NYSE: TSE) is a global materials solutions provider and manufacturer of plastics, latex binders, and synthetic rubber. We are focused on delivering innovative and sustainable solutions to help our customers create products that touch lives every day — products that are intrinsic to how we live our lives — across a wide range of end-markets, including automotive, appliances, consumer electronics, medical devices, electrical, building and construction, textile, paper and board, footwear and tires. Trinseo had approximately \$4.4 billion in net sales in 2017, with 16 manufacturing sites around the world, and approximately 2,200 employees. For more information visit www.trinseo.com

Demag **Plastics Group**

Demag Plastics Machinery (Ningbo) Co.,Ltd. is the wholly-owned subsidiaries of Sumitomo SHI Demag Germany and located in Ningbo China, and the 1st European brand to enter and set up factory in Chinese market. From Y1998, we make high- performance injection machine for Chinese and other Asian market. New factory with 40 mu (26,640 Sqm) is scheduled to produce between 1,000 and 1,500 machines per year from 500KN to 10,000KN clamping force. The Demag machine population in China of around 8,000 machines is focusing to automotive, packaging, medical and precision parts production.



TEL : +86-574 26906600

FAX : +86-574 26906618

Website : china.sumitomo-shi-demag.eu

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It take 1 hours to complete the crystallization drying (broken PET bottles pieces) Energy Efficient Dynamic Dehumidification Drying

Features:

- A. It is suitable for dehumidification and plastic materials such as PET, TPU, PMMA, PLA, SGP drying, PS and ABS.
- B. For the PET recycling material, the traditional crystallizer is omitted, and the installed power of the system is reduced by 55%.
- C. For low-temperature drying materials, the temperature required for drying can be increased by about 10 - 20 degrees, shorten the drying time and improve the drying efficiency.
- D. Swirling air inlet (the first invention in hejin), It can effectively ensure the uniform distribution of air in the tank, avoid the occurrence of dead angle and improve the overall drying effect.
- E. The mixing form of hand washing is simulated to increase the loose degree of material, make the material be heated evenly, avoid the appearance of material caking and bridge erection.

We have a dedication to innovation and it shows in our research and development of our high quality products such as our dehumidification and drying system plastic resin dryer, PET crystallizer, feeding system, resin blending system, large outdoor storage silo etc.

DONGGUAN HEJIN PLASTIC MACHINERY CO.,LTD

ADD: NO.40 Beiwang road,Wujiachong, Zhongtang Town, Dongguan City,
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Tel: +86(0)769-88184408 Fax: +86(0)769-88184408

Contact number: Mr. Peng 13925764999 Mr. Wang 13790409777

E-mail: penghuaix@163.com Web: plastic-processing.com



FOMTEC PLASTIC MACHINERY is a leading enterprise in VERTICAL Injection Molding Machine industry. We have devoted ourselves into this field since 1987. After over 30-years development, we now possess modern production bases both in Suzhou and Guangzhou, covering a total area of over 100,000 square meters. We have not only the internationally advanced facilities like CNC machine tools, but also the most professional team for research and management.

FOMTEC Machinery has successfully developed and promoted FT,FC,FK and FD series of machines which the clamping force ranging from 12 tons to 650 tons, the injection capacity ranging from 35 grams to 8000 grams. Our main products include:

FT series: Vertical Clamping and Vertical Injection Molding Machine

FC series: Tie-bar Less Vertical Clamping and Horizontal Injection Molding Machine

FK series: Vertical Clamping and Horizontal Injection Molding Machine

FD series: Direct Hydraulic Clamping Horizontal Injection Molding Machine

TEL: 020-36850111 FAX: 020-36850100

E-MAIL: os@fomtec-group.com

WEB: <http://www.fomtec.cn> <http://www.fomtec-group.com>

FOMTEC PLASTIC
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Ever Polymer Co Ltd is established in 1998 in Taiwan. Being one of the leading Thermoplastic Elastomer compounder, we are specialized in customize compounding base on SEBS and EPDM. We have compounding plants located in Taiwan, China and Malaysia.

We offer wide range of hardness from 0 shore A to 65 shored D with excellent properties in natural, transparent, and black. Our compound is FDA, ROHS and Reach comply. We offer Medical Series TPE produced from our Cleanroom 100000 and USP Class VI comply. The medical material is use in infusion cap, stopper due to its excellent self- sealing characteristic.

We also supply TPE and TPV for automotive application with good weather resistance tested with QUV Accelerated Weathering Tester. It is used for exterior sealing part as well as interior soft touch and cushioning in the automotive.

Our material is also widely use in electrical and electronics industry as one of our series is UL listed. Our TPE material can be over-mould and bonding to hard plastic such as ABS, PC and Nylon.

We develop speciality compound to improve feature required by customer: enhance compression set, improve damping behaviour, good tension set, good soft touch feel, improve Electro Static Dissipation with lower surface resistivity and so on. Flame Retardant requirement is developed base on application. Foaming of TPE depend on application to enhance the flexibility and softness of the product.

We have our marketing network in most countries in Asia, with our dealers and agents to provide support to our customers. We provide technical support and trial at customer. We have a team of expertise to provide solution to our customer.



Labthink specializes in manufacturing of innovative material testing instruments used in packaging, pharmaceutical, food, daily chemical, automobile industries since 1989. Our portfolio comprises of water vapor transmission rate tester, oxygen transmission rate tester, gas permeability tester, migration & non-volatile-matter content tester, tensile tester, heat sealer, headspace gas analysis, impact testing, compressive strength testing etc.

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HVR MAG

Mold change, 3 min.done!

About HVR MAG

HVR Magnetics Co, Ltd is a high tech enterprise that mainly researches and develops magnetic quick mold change system . We have built stable cooperation with some famous companies as ABB, BOSCH, HITACH FUJISTU FOXCONN and SUMITOMO.

R& D Capability

We have an R& D team with 18 years industry experience and QC staff over 20 years working experience. Our products have gained model patents in China including 5 invention patents and 29 patents for utility model. These enable us to customize products in accordance with your requirements.

Our product

Our products are widely used in the metallurgy, machinery, petroleum shipyard, automobile manufacturers and rail transit. We can offer one-year's guarantee and lifelong maintenance for our products.

On-time delivery

1. Products project customizing period is short, which usually takes only two days.
2. Production lines run on two shifts, ensuring a short production cycle.
3. Efficient response even after work time or on weekends.

Why we are called HVR?

Because we are Honest, we are Vigorous, we are your Reliable partner.



NOTE

2018 ASIA Plastics Processing Technology& Innovative Materials Summit

6-7 September, 2018, Jakarta | JS Luwansa Hotel (Ballroom B)

Agenda

Day 1 — 6 September

Day 1 AM	
08:00-09:00	Registration and Morning Refreshment
09:00-09:10	Opening Speech - Mr. Mike Hay, President, Ringier Trade Media Ltd
09:10-09:40	Mr. Henky Wibawa, Executive Director, Indonesian Packaging Federation, Indonesia (IPF) Topic: Riding on Industry 4.0 Wave to Leverage Packaging Design-to-Value
09:40-10:10	Mr. Claudio Domasi, Sales Director, FRIGEL ASIA PACIFIC CO., LTD. Topic: Intelligent Cooling Solutions for the Plastics Industry
10:10-10:40	Tea Break
10:40-11:10	Mr. Frans Mandeko, Business and Technology Development Manager, PT Dharma Precision Topic: Collaborative Automation as a Lighthouse Project for the Implementation of Industry 4.0 Concept in a Manual Operation
11:10-11:40	Mr. Billy Tjang, Managing Director, PT Bilplast Grapindo Topic: 2018 Plastic Growing Trend in Indonesia
11:40-11:50	Group Photo
11:50-13:20	Luncheon
Day 1 PM	
13:30-14:00	Mr. Widodo, Advanced Material Division Manager, PT 3M Indonesia Topic: Injection plastic productivity improvement using Microsphere filler
14:00-14:30	Mr. Kenneth Lam, Senior Development Specialist of Plastics Technical Service & Development, Asia Pacific, Trinseo Topic: Benefits of MAGNUM™ ABS Resins for a Variety of Industries
14:30-15:00	Dr. Asmuwahyu Saptorahardjo, Technical Advisor, PT Inter Aneka Lestari Kimia Topic: ENVIPLAST®-Biodegradable Bags from Starch
15:00-15:30	Tea Break
15:30-16:30	Panel Discussion Topic: Innovative Technologies and their Contribution to "Indonesia 4.0"
16:30-16:40	Participation Reminder
17:00-19:00	Cocktail Party

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Agenda

Day 2 — 7 September

Day 2 AM	
08:00-09:00	Registration and Morning Refreshment
09:10-09:40	Ms. Christine Halim, Owner and President, Asosiasi Daur Ulang Plastik Indonesia (ADUPI) Topic: Challenges of the Plastic Recycling Industry towards Industry 4.0
09:40-10:00	Mr. Tan Wei Kar, Sales & Marketing Manager, EVER POLYMER Co., Ltd Topic: TPE in Medical, Packaging and Automotive applications & industries
10:00-10:30	Mr. Stefan Barot, Senior Business Director, Total Corbion PLA Topic: PLA in Packaging and Its End-Of-Life Solutions
10:30-11:00	Tea Break
11:00-11:30	Mr.Dharmawan, Sesotec Pte. Ltd Topic: Flake Purifier+ - Sesotec Flake sorting technology
11:30-11:40	Dave Fung, Director, L.K. Machinery International Limited Topic: Introduction of LK Machinery
11:40-11:50	Joe Shek, Sales Manager, Labthink Instruments Co., Ltd. Topic:Fogging tester
11:50-13:00	Luncheon
Day 2 PM	
13:00-13:30	Ms. Emenda Sembiring, Associate Professor, Institut Teknologi Bandung Topic: The Potential Use of Plastics Waste for Pavement
13:30-14:00	Christianto RENATA, Business Development Engineer Technical Polymer-Southeast Asia, Arkema Pte Ltd Topic: High Performance Specialty Polymers for Automotive, Consumer Electronics, and Packaging Additives
14:00-14:30	Ms. Retno Hapsari, Manager, XSPROJECT Topic: Trash Transformed Lives Changed
14:30-15:00	Closing Remarks (Lucky Draw + Q&A)
Conference End	

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Speaker Biography

Mr. Henky Wibawa
Executive Director of IPF (Indonesian Packaging Federation, Indonesia)

Since 2014 – present : Technical Advisor/Partner PT. Buana Chandra Mandiri, PT. Merindo Makmur, PT. Finson Indomas

Since 2002 – present : Executive Director Indonesian Packaging Federation

Since 2000 - 2005 : Packaging Specialist of the Indonesian Food & Beverages Association

Feb 2012 - May 2013 : Technical Director PT. Amcor Flexibles Indonesia

2007 – 2009 : Senior Packaging Consultant Partner PT. MAN Ferrostaal Equipment Solutions

2005 - Feb 2012 : Market & Applications Development Head PT.Argha Karya Prima Industry, Tbk.

1997 – Jan 2004 : Operations Director PT.Interkemas Flexipack – Alcan Packaging (former VAW Europack)

1996 – 1997 : General Manager Converting Division PT.Argha Karya Prima Industry Tbk.

1993 – 1995 : Plant Manager Converting Division PT.Argha Karya Prima Industry Tbk.

1987 – 1992 : PPIC Manager Film Division

Topic:

Riding on Industry 4.0 wave to leverage Packaging Design-to-Value

Packaging that provides a unique consumer experience may increase the perceived value of a product – and by extension the entire brand. A packaging that is damaged upon arrival may create a sense of distrust of the store although customers realize that, to some extent, it is the carrier's fault, and not the store's, that packages are delivered in poor condition.

An item that is poorly packed, whether under- or overpacked, contributes to a negative purchasing experience before the product is even presented. Attractive inner packaging, on the contrary, provides the consumer with a positive attitude toward the purchase before actually seeing the product.

Optimizing the physical performance of packaging has been identified as a potential area for improvement, specifically in these some areas:

- 1.Selection of product-specific packaging systems
- 2.Monitoring packaging performance over time
- 3.When customized solutions are feasible
- 4.Product-specific metadata in the packaging

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Speaker Biography

Mr. CLAUDIO DOMASI
SALES DIRECTOR, FRIGEL ASIA PACIFIC CO., LTD.

Graduated with Master Degree in Mechanical engineering at the University of Florence, Italy. Has working experience in the energy management field in Gas de France and since 2010 worked in the advanced plastic cooling field with the Frigel Group in Italy, North America and Asia Pacific. Since 2015 is Sales Director of Frigel Asia Pacific.

Topic:

INTELLIGENT COOLING SOLUTIONS FOR THE PLASTIC INDUSTRY

The cooling is the longest part of the plastic production process overall cycle time, and also a relevant part of the overall energy and water consumption. By acting on the cooling and changing the traditional technologies to more modern approaches is possible to vastly increase the productivity of the plastic factories while significantly reducing the running costs.

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Speaker Biography

Mr. Frans Mandeko
Business and Technology Development Manager,
PT Dharma Precision

Is an automation specialist, business, technology and system development manager in one of the biggest group in Indonesia focusing in automotive manufacturing and control system lecturer at President University, Cikarang-Indonesia. Graduated in one of the best university in Germany, RWTH Aachen with the title Master of Science in automation technology, specialist in the plant design, standardizing factory development procedure and process lead control technology. With the working experience in international manufacturing and national production companies in aircraft and automotive area, currently active promoting and encouraging many industries and academics in Indonesia to enter the industry 4.0 system concept by creating seminar and consultancy.

Topic:

Collaborative Automation as a lighthouse project to enter the implementation industry 4.0 concept in a manual plastic industry

The Implementation of Industry4.0 in Indonesian industry is one of the important roadmap of Indonesian industrial ministry and supported fully with providing tax return and others benefits.

Usually the current production line facilities and technology are not ready and suitable to be improved to adapt the industry4.0 concept. This condition make the implementation cost a high investment money a long ROI, since usually a replacement of the whole production line is needed. A collaboration automation system is a new innovative technology that people oversee since they have a different approach and a way of thinking. With this concept, to implement the first industry 4.0 concept in current production equipment is possible with also a

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Speaker Biography

Mr. Billy Tjang
Managing Director, PT Bilplast Grapindo

Experienced for Turn-key Plastic Manufacturing Project from Material to Finished product including Processing Know-How. Machinery Trading Company representing Maguire USA, Tooltemp Switzerland, Borghi CNC Broom & Brush, Keenpro SBM Blow Molding ex Taiwan, Hengli Tape Extruder n Circular Loom, Peashin insert cutting n Printing Machine, Golden Jason Cutting Sewing , Shantou Anping Thermoforming, Twin Screw Recycling Extruder, Powerjet Injection , extrusion Blow Mc

Managing Director, PT AIRINDO MITRA UTAMA

- Distributing Air Screw Compressor from 7.5HP- 200HP 8-12.5 bar
- Distributing Air/Water Cooled Chiller 5 HP-200HP

Managing Director, PT TRISUKSES MAKMUR ABADI

- Specialized Company in distributing Additive Filler for woven sack tape extrusion plant to increase tenacity and
- elongation percentage

Topic: 2018 Plastic Growing Trend in Indonesia

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Speaker Biography

Mr. Widodo
Advanced Material Division Manager,
PT. 3M Indonesia

13 years working experience from various industries background with 8 years work with 3M Indonesia as Engineer and Business personnel to develop application of 3M Glass Bubble as lightweight filler across industry Plastic, Rubber, Oil & Gas, Paint and Coating.

Topic:

Injection plastic productivity improvement using Microsphere filler

Microsphere is a hollow sphere shape filler made from borosilicate glass has several properties which able to give advantage to increase productivity in injection plastic parts by improving dimensional stability and reduce cycle time. Technical material will be presented in depth to explain how its work through injection molding process.

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Speaker Biography

Mr. Kenneth Lam
Senior Development Specialist,
Plastics Technical Service & Development,
Asia Pacific, Trinseo

Having worked in the plastics industry in the capacity of an engineer in technical service and development for about 17 years now, Lam has brought to Trinseo a wealth of technical expertise and experience.

At Trinseo, Lam focuses on the application development of MAGNUM™ ABS, a material manufactured with continuous mass polymerization technology as opposed to an emulsion process, in the Asia Pacific.

Prior to joining Trinseo, Lam was Consultant and Master Black Belt for Dow Chemical for about 9 years providing technical leadership for Lean Six Sigma Methodology and training. He received a Master Degree of Applied Science in Chemical Engineering from the University of British Columbia, and a Bachelor Degree of Science in Chemistry from the University of Oregon.

Topic:

Benefits of MAGNUM™ ABS Resins for a Variety of Industries

Trinseo test-proven materials provide various industries with specialty solutions for a wide range of applications ranging from packaging, automotive, consumer electronics to construction. MAGNUM™ ABS Resins are manufactured with mass polymerization technology, a continuous process which makes the resins more advanced and enable them to bring significant benefits to both injection molding as well as profile and sheet extrusion applications. Those applications include automotive, consumer electronics, home appliances, consumer goods, building & construction, etc. The presentation is based on two technical papers written by three Trinseo technical specialists based in the Netherlands and in Hong Kong.

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Speaker Biography

Dr. Asmuwahyu Saptorahardjo
Technical Advisor, PT Inter Aneka Lestari Kimia

Mr. Asmuwahyu Saptoraharjo graduated as a Ph D on Analytical Organic Chemistry from Universite Louis Pasteur Strasbourg, French, in 1985. He has over thirty years of experience in the Indonesian plastics industry as a manager and advisor. His position now is a technical advisor in developing Plastic Masterbatch, Compounding and Bioplastic at PT Inter Aneka Lestari Kimia, a leading Indonesian chemical company.

Topic:

ENVIPLAST ®-Biodegradable Bags from Starch

2018 ASIA Plastics Processing Technology& Innovative Materials Summit



Speaker Biography

Ms. Christine Halim

Owner and President, Asosiasi Daur Ulang Plastik Indonesia (ADUPI)

Organization activity: Chairlady of ADUPI (Association Plastic Recycle Indonesia) since February, 2015
There are over 278 company in East Java, Central Java, Bali, Lombok, Sumatera, Kalimantan which become ADUPI's member.

Others: Finalist Awards Erns and Young period 2016

Attend in Invitation:

1. Field Visit with Indonesian Ministry of Environment and Forestry on Waste Management and Circular Economics in the Netherlands

Date: March 27-31, 2017

Organizer by: Minister of Infrastructure and environmet & Netherlands Embassy.

2. Invitational Workshop on the program of Korea Good Recycled (GR) Product Certification Distribution in Asean.

Date: April 25-28, 2017

Organizer by: Korea Testing Laboratory (KTL), accompany BSN (Badan Standarisasi Nasional) Indonesia.

3. Invitational Ocean Conference on United Nations in New York.

Date: June 5-9, 2017

Organizer by: United Nations and Coordinator Ministry of Maritim Indonesia.

Topic:

Challenges of the Plastic Recycling Industry towards Industry 4.0

2018 ASIA Plastics Processing Technology& Innovative Materials Summit



Speaker Biography

Mr. Stefan Barot
Senior Business Director Asia Pacific,
Total Corbion PLA

Stefan is the senior business director for Total-Corbion, a Dutch company and an innovation leader in Poly-Lactic-Acid. Stefan is an expert in the global PLA (Poly-Lactic Acid) market concentrating his efforts on the fastest growing region, Asia.

He is a seasoned leader with a focus on business development and a diverse background in Chemicals and its related industries. Stefan worked for Ciba and BASF in pharmaceuticals, pigments plastics and lubricants where he gained a wealth of experience in leadership positions working in environmental protection, chemical production, quality control and sales and marketing.

Since his first job with Ciba Geigy in Environmental Protection, Stefan has been interested in the environment and its protection. He has been following the problems of environmental pollution and the technical solutions to lessen the burden on the environment. In his current challenge and over Bio-Mass, the End Of Life of Bio-Plastics are closely linked with Municipal Solid Waste.

Municipal Solid Waste is currently strongly associated with marine plastic pollution and this challenge brings him back to his roots of sustainability and environmental protection.

Stefan worked for more than 14 years in Japan, Korea and China and the Middle East, he holds degrees in chemical engineering and has an E-MBA from IMD in Switzerland.

Topic: ***PLA in packaging and their End-Of-Life Solutions***

PLA is a bio-based and biodegradable polymer made from annually renewable resources, offering a reduced carbon footprint versus many traditional plastics. The Luminy® PLA portfolio, which includes both high heat and standard PLA grades, is an innovative material that is used in a wide range of markets from packaging to consumer goods, fibers and automotive.

PLA in all of the above applications offers the advantage of a reduced carbon footprint, reducing global warming compared to traditional fossil based plastics. Due to its biodegradability, PLA also has clear advantages in its End Of Life (EOL). If sufficiently clean, the PLA can be recycled as any other fossil fuel based plastic. Alternatively it could be depolymerized back to lactide or lactic acid.

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Speaker Biography

Mr. Dharmawan Putra
Area Sales Manager, Sesotec Pte Ltd

After being graduated at University of Applied Sciences in Berlin, Germany as an Engineer, Mr. Putra has joined Euroasiatic Jaya, PT in Jakarta, responsible for food machinery marketing division, to PT Tioniaga handling Bosch processing equipment. Since beginning of 2012 he is joining Sesotec as Indonesia Country Manager and in 2014 starts to concentrate on Sorting Recycling business unit, responsible for Indonesia (Oceania), ANZ market.

Topic: **Flake Purifier+ - Sesotec Flake sorting technology**

FLAKE PURIFIER+

Multi-sensor sorting system for Flake Plastics Recycling. Effective contamination detection and separation.

Based on a modular concept these systems allow the combination of all available sensors for contaminant detection: Sensors for metal separation, sensors for colour separation / sorting, and sensors for the separation and sorting by plastic types. The information provided by the individual sensors is processed by the evaluation unit based on octa-core technology. Separation of material by air-blast unit.

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Speaker Biography

Ms. Emenda Sembiring, PhD
Associate Professor, Faculty of Civil and Environmental Engineering, Bandung Institute of Technology

1998- Present : Lecturer at Faculty of Civil and Environmental Engineering, Bandung Institute of Technology

1998- Present : Researcher at Solid and Hazardous Waste Laboratory, ITB

2018- Present: Coordinator of Plastics in Society Research and Innovation Hub

Topic:

The Potential Use of Plastics Waste for Pavement

Plastic is closely related to human daily activity. The increasing usage of plastic will be followed by a growing number of plastic waste, such as PP (polypropylene) and EPS (Expanded Polystyrene) wastes. On the other hand, the demand of asphalt (bitumen) for the highway manufacture in Indonesia still rely on oil bitumen that is getting more expensive. To increase the asphalt performance, addition of polymers such as plastics for modifying asphalt into polymer modified asphalt become more popular. In this research PP and EPS plastic waste is utilized as an asphalt substitution material in Asphalt Concrete Wearing Course (AC-WC) layer with various substitution variations. PP or EPS plastic waste is mixed with asphalt using wet method. The addition of PP or EPS plastic waste will affect the properties of the asphalt in terms of penetration, softening point, flash point, specific gravity and viscosity. The optimum bitumen content (OBC) value does not mean the asphalt mass used is also high because most asphalt has been substituted by PP or EPS plastic waste. Aside from the technical advantage, the utilization of PP or EPS plastic waste is also favorable in terms of environmental and economic aspect. PP or EPS plastic waste utilization will contribute less harmful effect into air pollution and also can reduce the amount of plastic waste generated in landfill. Also in terms of the economy, utilization of PP or EPS plastic waste can reduce asphalt costs.

2018 ASIA Plastics Processing Technology& Innovative Materials Summit



Speaker Biography

Ms. Christianto RENATA
Business Development Engineer Technical
Polymer-Southeast Asia, Arkema

Christianto Renata received a Distinction in Masters of Science degree in Polymer Materials Science & Engineering at University of Manchester. Prior to that, he graduated with an Honors degree in Bachelor of Engineering in Materials Science and Engineering at National University of Singapore.

He has over 4 years of experience in project management and business development from working in various materials science related roles. At the moment, he is working as business development engineer for Arkema Technical Polymer business unit, handling various products and application markets in Southeast Asia, such as consumer goods, sports, and chemical industries, to name a few. His materials science experience is not limited to commercial and business development roles as he also has more than 2 years of experience working in the research field where he worked on couple of projects investigating on novel materials for composite, automotive, and sports applications.

Topic:

High Performance Specialty Polymers for Automotive, Consumer Electronics, and Packaging Additives

Arkema Rilsan®, Pebax®, and Kynar® brands have been recognized globally in for more than 30 years especially in the automotive, architectural coatings, sports, and other markets. The low density, remarkable mechanical properties, and excellent chemical resistance offered by Rilsan® long-chain polyamide, Pebax® Thermoplastic Elastomer, and Kynar® PVDF make them popular choice for customers looking for high performance solutions to meet their requirements. This presentation will discuss and focus on the overview of Arkema technical polymers products and solutions offered by Arkema for the automotive, consumer electronics, and packaging additives sectors.

2018 ASIA Plastics Processing Technology& Innovative Materials Summit



Speaker Biography

Ms. Retno Hapsari, Manager, XSProject

Independent interpreter and translator for 27 years.

Worked at McDonald's Corporation for 21 years.

Is managing a non profit organization that cares for the environment and social at XSProject since 2007.

Topic: ***Trash Transformed Lives Changed***

The power point is about who is XSProject and what we do.

The presentation focuses on what we can do to reduce waste going to the earth by producing products made out of waste as part of education and awareness.

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Conference Supporters



**INDONESIAN
PACKAGING
FEDERATION**

INDONESIAN PACKAGING FEDERATION (IPF):

IPF is a business association, nonprofit, non-governmental organization of packaging industry in Indonesia, founded in August 1977. The mission is to enhance packaging quality & technology development as well as to encourage research and development in the packaging innovations.



ADUPI
ASOSIASI DAUR ULANG
PLASTIK INDONESIA

Indonesia Plastic Recycling Association (ADUPI):

Indonesia Plastic Recycling Association (ADUPI), established in 2015 in Surabaya, East Java (previously existed as ADUPI) was founded by plastic recycler entrepreneur.

ADUPI's mission is to create conducive recycling business by cooperating with all the players involved and to promote the aspirations of members, improve the cooperation and communication between members and the Indonesian government. And ADUPI's vision is to become association that benefits the members and government through better environment program.

ADUPI has 300 Members, including 120 members of finish good manufacturer & pelletizing processor and 145 members of flakes & chips producer, waste bank, and scavenger.



project
TRASH TRANSFORMED
LIVES CHANGED

XSPROJECT:

XSPROJECT is a non profit organization based Jakarta which works to improve the lives of the trash pickers and their families, by providing them with critical necessities, such as education, healthcare and life skills.

How do we do that? By transforming trash into usable products to advocate for consumer recycling, environment awareness and finding solutions. The mission is to raise global awareness of the effects of trash on the environment and society.

XSPROJECT buys plastic consumer waste from the trash pickers to help them get extra income. We also seek donations of waste from companies, asking them to send us things like reclaimed billboards and other unused materials. The waste is then transformed into products.

Through unique design, we explore new possibilities of recycling, to give useless waste a new life. XSPROJECT then extends the life of the unwanted waste by turning it into good quality and functional products. Through the sales of our products, we are able to give back to the trash picker's community.

To date, XSPROJECT has redirected and used more than 50 tons of trash that were destined for the garbage dump, produced and sold over 100.000 products, engaged 200+ people in the collection of trash, and the production of our goods, and provided a 12 years education and beyond, and other services to more than 100 trash pickers children.

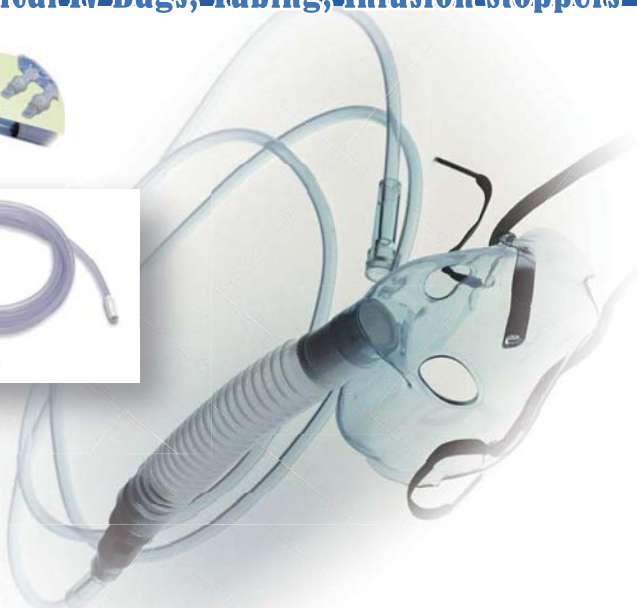


TPE

EverMedi TPE for Medical IV Bags, Tubing, Infusion Stoppers

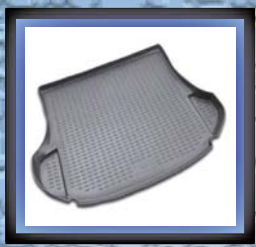
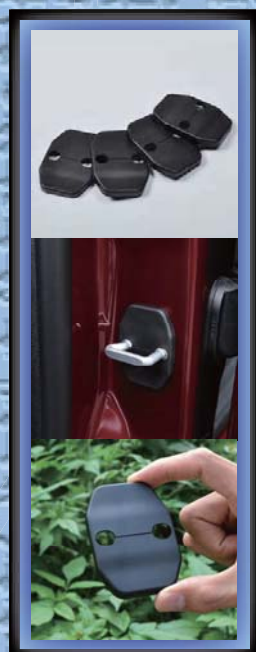


MEDICAL SUPPLIES
(USP CLASS VI)



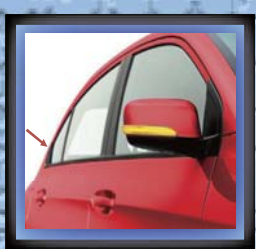
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