

2020 ASEAN Food & Beverage Manufacturing Summit

— Advances in Formulation, Processing, and Packaging —

Sept. 30 | 1pm-5pm Singapore Time (GMT+8)



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Global Food & Beverage Trends

The global F&B market is now hot, with more start-ups combining innovative technology with food manufacturing. Topics such as **climate change, marine litter pollution, circular economy, consumers desire to eat healthier, have their food bring additional beauty benefits, be more organic and conveniently packaged, lab meat and vegan trends, aging and digitalization and the Internet of Things** are eight global trends identified by the ITIS Institute of Food Research that we will answer during this event.

Packaging Design

Through product repositioning, packaging changes, brand upgrades, and marketing model changes, you can increase consumers', and open new channels for communicating with consumers and providing higher value added products and services.



Improvement of the basics

Development and advancements of the original materials, such as: texture differences, increasing protein content as well as the reduction of product's salt, sugar, and oil content is one of the main and most important trends in the industry.



Key Raw Materials

Consumers love vegetarian, super ingredients; they are curious about emerging ingredients; they value health; they like to explore traditional and ancient diets, different diets or exotic diets, and they love body/mind curing food.



Alternative Food

The usages of new raw materials, new ingredients, new choices, new taste or new technology, and the effectiveness and value of substitutions include various types of vegetarian meat substitutes, aquatic plant products and vegetarian milk, tissue meat and other alternative meats, insects and seaweeds, etc., protein, meat or refrigerated snacks, etc.



Intestinal Health

Intestine-friendly products are skyrocketing in popularity. In addition to the already prosperous probiotics, prebiotics or traditional Asian fermented foods are the new focus of research & development divisions.



Sensors & AI

The global food industry and enterprises will pay more attention to the establishing transparent data channels and systems as well as their new applications. Benefits of different sensor applications and tests of different technology tools such as voice, search, chat robots or AI algorithms are being actively explored.



Process & Partners

New technologies and analysis tools such as the IoTs, blockchain, or AI marginal computing, work together to make decisions and digital marketing.



Sustainability

Food companies will strengthen the lightweighting of packaging or the use of biomass and recycled materials, pay more attention and consider the use of whole food materials and the value creation of by-products, or practice from multiple perspectives and participate in reducing food waste, etc.



Overview of the Indonesian Economy

Indonesia has a **total population of 272 million**, and its income per capita has grown from 7,500 to 13,079 USD in the span of last decade. **F&B segment revenue is expected to show an annual growth rate (CAGR 2020-2024) of 15.6%, resulting in a market volume of US\$2.684 billion by 2024.** Indonesia is the fastest growing economy in the Group of Twenty (G20), with a rich and interesting F&B market, and very active F&B sector.



F&B Manufacturing in Indonesia

In general, there are approximately 5,793 F&B processing factories in Indonesia, more than 93,000 small F&B companies, and more than 1.47 million family-run F&B enterprises. However, due to the inadequacy of mechanical equipment in Indonesia, food processing machinery is highly dependent on imports, such as canning machines, packaging machines, labeling machines, mixers, dryers, refrigeration equipment, bottle filling machines, film sealing machines, and so on. For foreign equipment suppliers, it continues to be a crucial ASEAN market.

In Indonesia, 87% of the population believe in Islam. Halal certification for F&B manufacturing is a very important aspect. Indonesian Muslim consumers' spending on halal lifestyle products and services is expected to reach 247.8 billion (USD) by 2025.



2020 ASEAN F&B Manufacturing Summit

In 2020, we will combine global development and trends to Indonesian F&B manufacturers, and discuss the three major areas of **raw materials & ingredients, processing and packaging** in F&B manufacturing:

- (1) Future business opportunities for functional F&B related to health, nutrition and beauty
- (2) Efficiency and innovations in processing technology
- (3) Sustainable packaging and materials
- (4) Application of the Internet of Things, automation and robots

Industry 4.0 Applied to F&B Manufacturing

Halal Certification

Raw Material Additives

1. More Natural Ingredients
2. Dairy & Probiotics
3. Vegetarian Meat
4. Plant Protein
5. Functional Food

Processing

1. Auto-Process
2. Use of Robots
3. Big Data & IoTs
4. Innovative Processing Technology

Packaging

1. Circular Economy
2. Sustainable Packaging
3. Smart Packaging
4. Packaging Printing and Food Safety
5. Packaging for the "Era of Beauty"

HEALTH

NUTRITION

BEAUTY

Environmental protection

1

Raw materials and additives

- Application and trend of vegetarian meat and vegetable protein
- Awareness of health benefits, development of key raw materials
- Trend of green ingredients (beet, carrot, sweet potato) becoming mainstream
- The use of dairy products and healthy fungi
- „Halal" materials – all the benefits and all the challenges
- **Innovative raw materials and additives for nutrition food**
- New ingredients for sports / energy drinks
- Anti-aging and immune-enhancing health foods and beverages
- **Development trend of functional beverage industry**
- Low-heat food trend, slimming F&B business opportunities

2

Processing Technology

- Application of smart factory in F&B industry
- Case study of the efficiency improvement of visual sensor for F&B manufacturing
- Exclusive application system solutions for the brewing and beverage industry
- **F&B Manufacturing opportunities: digital and automated new production lines**
- Safety of autoclaving, container sterilization and functional packaging materials
- Sharing new food processing technologies and processes
- Integration of new technologies such as big data and the IoTs with the F&B industry
- Key solutions to improve industrial efficiency through data analysis
- Innovative processing technology in the global trend: sugar reduction, salt reduction, and oil reduction

3

Packaging

- The development trend of packaging machinery: high speed, multi-function, self-control and energy saving
- Future key packaging technologies: microcomputer control, laser technology, artificial intelligence, optical fiber, image sensing, industrial robots
- The importance of ERP and MES systems for networking of packaging machinery
- Packaging advantages of automatic batching machines

Packaging Materials

- Sustainable packaging
- "Era of Beauty" packaging pays more attention
- Reduce plastic, move towards more environmentally friendly and wasteless food and beverage packaging
- Innovative breakthroughs in printing technology, how to make higher quality packaging films
- Multilayer film: important for moisture resistance and barrier properties
- Breakthrough: rPET for Coca-Cola bottles
- Advantages of flexible packaging

4

Market Trends

- Economic analysis of halal in Indonesia
- Functional beverage market in Indonesia
- Health & beauty market trends
- Future trends for F&B in Indonesia
- E-commerce opportunities in Indonesia



Who Will Attend?

By Position



- ◆ General Managers
- ◆ Technical Managers/Engineers
- ◆ Packaging Managers/Engineers
- ◆ Production Managers/Engineers
- ◆ Brand Managers/Engineers
- ◆ Marketing/Sales Managers
- ◆ F&B Marketing Consultants
- ◆ Packaging, Design& Automation Consultants
- ◆ Inspection& Inspection Equipment Suppliers

By Industry



- ◆ Nutrition / Health Food Manufacturers
- ◆ Functional beverage production enterprises
- ◆ Liquid milk / milk drink manufacturer
- ◆ Pharmaceutical companies
- ◆ Research institutes and industry associations
- ◆ Food inspection and testing institutions
- ◆ Packaging materials supplier
- ◆ OEM / ODM companies in the food industry
- ◆ Processing equipment supplier
- ◆ Packaging and label suppliers
- ◆ Printing enterprise

List of Previous Attendees (partial examples)



Other Invited Delegates

EVERGREEN INTERNATIONAL PAPER,PT
 EXPRESS GRAFIKA PRINTING,PT
 EXTRUPACK,PT
 EXXON MOBIL LUBRICANT
 INDONESIA,PT
 FABRISTEEL PRIVATE LIMITED
 FAJAR SURYA WISESA TBK,PT
 FANSON JAYA,PT
 FENG YU & CO (PTE) LTD
 FERROSTAAL EQUIPMENT
 SOLUTIONS,PT
 FILLOMATIC GLOBAL INDUSTRIES,PT
 FINSON INDOMAS,PT
 DAE YOUNG APEX
 INDONESIA,PT
 DAE YOUNG APEX INDONESIA,PT
 DASAPLAST NUSANTARA,PT
 DASARY JAYA KARYA,PT
 DATASCRIP,PT
 DAYA CIPTA KEMASINDO,PT
 DEL SOLARIA INDONESIA,PT
 DELTAPACK INDUSTRI,PT
 DEMPO LASER METALINDO,PT
 DETPAK INDONESIA,PT
 DHARMA KRIDATAMA,PT
 DHASS SUMBER TEHNIK,PT
 DHYAN DHANY PLASTIC,CV
 DIAN SEMANGAT INSANI,PT
 DIANKEKAL ABADISENTOSA,PT
 DIC ASTRA CHEMICAL,PT
 DINAKARA PUTRA,PT
 HANCO ENGINEERING,PT
 HARAPAN SEJAHTERA KARYA UTAMA,PT
 HARAPAN SEJATI KARINDO,PT
 HARDO SOLOPLAST,PT
 ILUVA GRAVURE INDUSTRY,PT
 IMAS ASRI MULIA,PT
 DINAMIKA SAHABAT PERKASA,PT
 DIVATAMA INTIPERINTIS
 INDOPAPER,PT
 DNP INDONESIA,PT
 DOLPIN PUTRA SEJATI,PT
 DOULTON,PT
 DUA PUTRA JAYA,CV
 DUMA NA NAPU,PT
 FIRA UTAMA PERKASA
 ENGINEERING,PT
 FLINT GROUP INDONESIA,TP
 FONDA MANDIRI JAYA,PT
 FOOD MACHINERY CO.,LTD
 FOREMOST INDONESIA,PT
 FRISIAN
 FLAG
 GRACIA PLASCHEMINDO
 PERKASA,PT
 GRAFINDO MITRASEMESTA,PT
 GRAFITEC INDONESIA,PT
 GRAFITECINDO CIPTAPRIMA,PT
 GRAHA BATAVIA MANDIRI,PT
 GRAHA CEMERLANG PAPER
 UTAMA,PT
 GRAMEDIA GROUP
 GRAHA KERINDO UTAMA
 ENGINEERING DIV,PT
 GREAT GIANT PINEAPPLE CO
 GUNA ARTHA SEJAHTERA,CV
 GUNA KEMAS INDAH,PT
 GUNUNG GILEAD,PT
 GURU INDONESIA,PT
 HALIM SAMUDRA
 INTERUTAMA,PT
 HALIM SARANA CAHAYA
 SEMESTA,PT
 HALIM SEJAHTERA CIPTA
 MANDIRI,PT
 HALIM TIRTA LESTARI,PT
 HANA GRAFIKA,PT

§ Indonesian Packaging Federation (IPF)



Indonesian Packaging Federation (IPF) is a business association, non-profit, non-governmental organization of packaging industry in Indonesia, founded in 13 August, 1977. IPF's mission is to enhance packaging quality & technology development as well as to encourage research and development in the packaging innovations.

§ Indonesian Plastics Recyclers (IPR)



The vision of the Indonesian Plastic Recycling Industry Organization (IPR) is to promote the transformation of the circular economy model through the development of Indonesian plastic recycling. By the cooperation between the government and enterprises, it is devoted to improving Indonesia's plastic recycling and promoting environmental sustainability. Members include Indonesian plastic recycling equipment and machinery suppliers, auxiliary material manufacturers, and consulting agencies.

Benefits

Simply beneficial:

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Ringier Industrial Media has held professional technical and application seminar events in various industrial fields for the Chinese manufacturing market since 2003, providing a platform for high-quality communication, learning and cooperation, and has gained a good reputation and evaluation in the industry. Relying on the successful experience of the seminar events in China, Ringier also expanded to the Southeast Asia region for the first time in 2014, which not only provided the latest scientific and technological information of the local industry, but also opened up new opportunities for companies interested in exploring the region. With more than 10 years of conference planning experience, Ringier Conference has brought together industry experts and business leaders worldwide. So far, Ringier has successfully assisted more than 5,000 companies and industries to provide the best communication channels for buyers and sellers.

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