

SPOKESPERSON AND GATEWAY TO PAKISTAN'S PACKAGING INDUSTRY

PACKAGING PAKISTAN

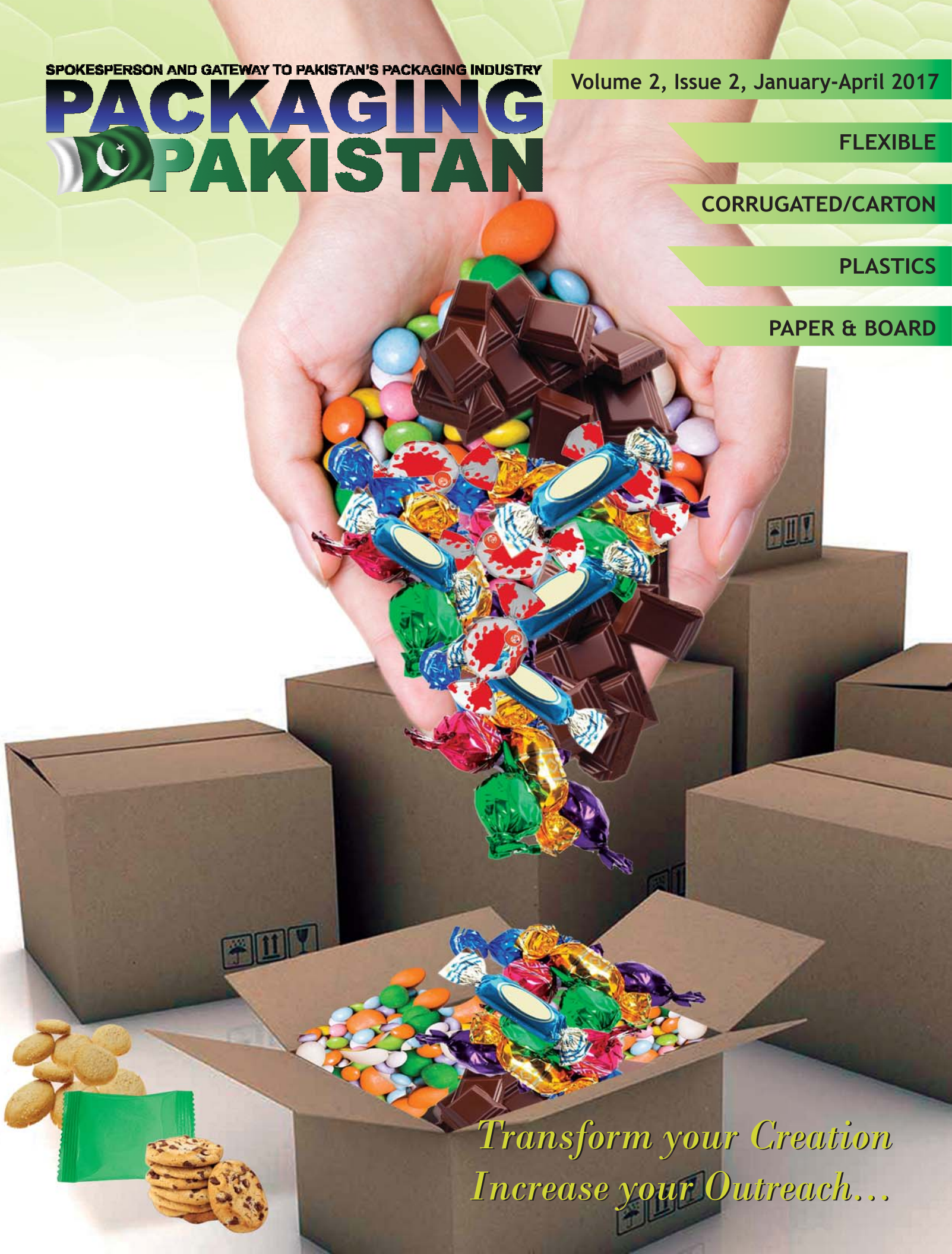
Volume 2, Issue 2, January-April 2017

FLEXIBLE

CORRUGATED/CARTON

PLASTICS

PAPER & BOARD



*Transform your Creation
Increase your Outreach...*

30
th
Year in
Excellence in
Extrusion

RAJOO[®]
excellence in extrusion



Money is not all you are saving!!

Asia's utmost **green multilayer blown film line** you can now own, Rajoo creates a new footprint by introducing

PENTAFOIL[™]

5 layer co-extruded blown film line

SALIENT FEATURES

- > Extruder with barrier screw, special mixing section for homogeneous melt and directly coupled motor to reduce transmission losses
- > Specially designed CSD (Cylindrical Spiral Die) die head with rheologically optimized melt flow path
- > Non-contact capacitive sensor oscillating around the bubble for thickness measurement
- > Circumferential profile control with controllable elevated air ring and triple lip with two separate blowers for top and bottom air rings
- > Co-centric motorized calibration basket with carbon fiber rollers
- > 360 degree oscillating haul-off for excellent thickness randomization
- > Fully automatic **FLEXIWIND** surface winder in back to back arrangement



E-mail : rel@rajoo.com
Phone : +91-97129 62704
Fax : +91 2827 252700



Represented by :
Trade Polymerz (Pvt) Ltd.

703, Tahir Plaza, Block 7-8, KCHS., Karachi
Cell : +92-305-2222919, +92-300-8231251
Phone : +92-21-34312885-7

www.rajoo.com

Editorial Note

We believe you to have the truthful realities and have the rights to the words and images.

Packaging industry, which has assumed a large role in the manufacturing sector in the advanced world, is struggling for its survival in Pakistan despite its important impact on the revenue and job opportunities for millions of people throughout the country. The industry has a potential to enjoy figure production and meet the commitments if some certain motivations and relaxations are offered to it. For the last decade, many positive changes have been observed in the overall approach to packaging industry. Packaging industry has progressively become sensibly excellent and has been presenting its strength by building vast investments. Packaging industry is directly linked with FMCGs, Consumer goods, Confectionery, Pharma, Food and other related sectors so even if you want to encourage other business products, Packaging Pakistan is the best platform for you.

We are happy to introduce the voice of packaging industry, development of our industry's reporting tool and an invitation for you to help tell the content, articles, news, information, new technology, explore the issues and share the events that are important to the Packaging Business. By becoming a part of the coverage of the industry, you help us send the coverage with a deeper understanding of what is happening on the front lines and from multiple themes of interpretations.

But please make sure that your post is relevant to the Packaging Industry; with your support and direction, we are assured that the vision and objective will show securely possible in due progress of period.

In our mission towards this goal, we will continue to attach practical and market quality available worldwide to bring Pakistan closer to the cutting edge knowledge.

Happy Reading!

Editorial Board

Editor Packaging Pakistan & Chairman FLEXPACK
MUJAHID ALI SHAIKH

Managing Editor Packaging Pakistan & Senior Vice Chairman FLEXPACK
JAWED BUTT

Patron-in-Chief FLEXPACK & Packaging Pakistan
ALI MORANI

Patron-in-Chief FLEXPACK & Packaging Pakistan
SAADAT EJAZ

Project Coordinator Packaging Pakistan & Secretary General FLEXPACK
NASIR MEHMOOD RAJAURI

Contents

- 03) Office Bearers & Executive Committee Members of FLEXPACK
- 04) Message -Chairman FLEXPACK
- 05) Message-Senior Vice Chairman FLEXPACK
- 06) Message- Senior Vice President LCCI
- 07) Message- CEO IR Group of Companies
- 10) Interview- Eric Serenius President OHIO Gravure Technology USA
- 12) Article- What is Green Packages
- 13) Filling Machine Industry Trends & Market Growth
- 14) News & Industry Insights
- 19) Thai 6th International Packaging and Printing Exhibition
- 21) News & Industry Insights
- 26) Interview- Alexander Schotten Area Manager Daetwyler Graphic AG Switzerland
- 29) Sustainability PET Packaging Growth
- 30) Airless Packaging Market Global Industry
- 32) Show Report-BOBST Pakistan Road Show 2017
- 34) Preshow Report- 15th Edition of the Plastics & Packaging Industry Trade Show 2017
- 36) Interview- Thomas Litterst Director Sales Eltex Elektrostatik GmbH Germany
- 37) Drupa Global Trends Report & Drupa 2020 Invites Exhibitors From All Over the World
- 39) FLEXPACK Pictures Gallery
- 41) Post show Report- K-Show 2016
- 42) Printing Paper with Light Instead Ink
- 43) Global Flexible Packaging Market
- 44) Demand for Plastic Films
- 45) 2-Shot Injection Molding Market
- 46) Enabling Sustainability in Packaging
- 47) FLEXPACK Members 2017

FLEXPACK Office:

505, Windsong Palace, Plot No.16-17, Block 7/8, KCHSU,
Near Baluch Colony Bridge, Off: Main Shara-e-Faisal,
Karachi-Pakistan.
Phone: 009221 34150611
Fax: 009221 34150612
Email: flexpackforum@gmail.com
Web: www.flexpacpk.com

Printed at:

M/s. Fazleesons (Pvt.) Ltd.
F-42, Hub River Road, SITE, Karachi-Pakistan

Note:

For your Advertisement, Article, Contents, Event Pictures,
News & Information please contact with Secretary General.
Email: secretary@flexpacpk.com | Tel: 0092 (0)21-34150611-12

OFFICE BEARERS & EXECUTIVE COMMITTEE MEMBERS



MR. KHALID KHANANI
 Vice Chairman (South), Flexpack
 Managing Director
 M/s. Metatex (Pvt.) Ltd., Karachi



MR. MUJAHID ALI SHAIKH
 Chairman, Flexpack
 Managing Director
 M/s. Sprintech Packaging (Pvt.) Ltd., Lahore



MR. JAWED BUTT
 Senior Vice Chairman, Flexpack
 Managing Director
 M/s. Printer Port (Pvt.) Ltd., Karachi



MR. SHAFIQ-UR-REHMAN
 Vice Chairman (North), Flexpack
 C.E.O.
 M/s. Pak Packages, Lahore



MR. TARIQUE REHMAN
 Executive Committee Member (South), Flexpack
 C.E.O.
 M/s. Fazleesons (Pvt.) Ltd., Karachi



MR. YOUSUF TINWALA
 Executive Committee Member (South), Flexpack
 C.E.O.
 M/s. Saima Packaging (Pvt.) Ltd., Karachi



MR. SAAD HABIB
 Executive Committee Member (South)
 & Hon. Joint Treasurer, Flexpack
 Director
 M/s. Jilani Industrial Corporation (Pvt.) Ltd., Karachi



MR. SHARIQ MAQBOOL ELAHI
 Executive Committee Member (South), Flexpack
 Managing Director
 M/s. Toyo Packaging (Pvt.) Ltd., Karachi



MR. SHAIKH NAEEM AHMED
 Executive Committee Member (North), Flexpack
 C.E.O.
 M/s. Rainbow Printing Solution, Multan



MR. NAEEM AHMED KHAN
 Executive Committee Member (North), Flexpack
 C.E.O.
 M/s. Naeem Packages, Lahore



MR. HUMAYUN TARIQ
 Executive Committee Member (North), Flexpack
 Director
 M/s. Fine Art Press (Pvt.) Ltd., Faisalabad



MR. NASIR MEHMOOD RAJAURI
 Secretary General
 Flexible Packaging Association
 of Converters of Pakistan

“ MESSAGE

MR. MUJAHID ALI SHAIKH
Chairman, Flexible Packaging Association
of Converters of Pakistan (FLEXPACK)
& Managing Director
M/s. Sprintech Packages (Pvt.) Ltd., Lahore



It is my great pleasure in informing that (FLEXPACK) has been granted license from (DGTO); Federal Ministry of Commerce. The Flexible Packaging (Converter) sector holds significant importance as it provides different types of flexible printing and packaging material to FMCG & pharmaceutical, general items etc.

The aim of this association (FLEXPACK) is to representation all over the Pakistan for those engaged in Flexible Packaging (Converters) Industry. FLEXPACK, a non-political organization plays a significant role in developing the policy framework for improving business environment and economic growth for this line of business. At the present, the purpose is to safeguard the interests of the flexible packaging industry of Pakistan, and make plans for its brighter future. We foresee a huge potential in this sector and strive to develop an institute for common business practice.

In addition, we focus on the growth of the Packaging Industry in Pakistan as we are acting as a bridge between private sectors and government, in order to resolve the problems/ issues being faced by the converter industries and subsequently promoting the trade Pakistani products all over the world.

On behalf of my whole team, we extend our heartiest congratulations to our friends and colleagues and members of FLEXPACK, on successful launch of Packaging Pakistan Magazine, second edition. Packaging Pakistan is an industrial magazine covering different sectors those having direct and indirect nexus with Packaging industry of Pakistan.

I would like to express my deepest gratitude to the local and international companies of the Packaging industry in doing a great work to retaining the business from world's emerging markets. The Packaging Pakistan magazine will enable them to explore the advancements and development of the industry. I would also like to thank Mr. Ali Morani, and Mr. Saadat Eijaz Former Office Bearers & Patrons in Chief of FLEXPACK & PACKAGING ASSOCIATION OF CONVERTERS OF PAKISTAN for their involvement in the potential idea and accepting the role to leading ahead.

“ MESSAGE



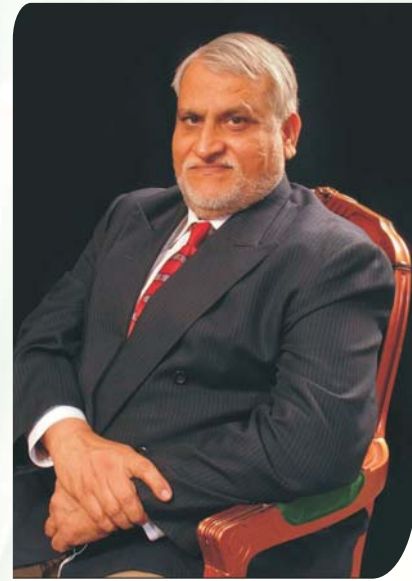
MR. JAWED BUTT
Senior Vice Chairman, Flexible Packaging Association
of Converters of Pakistan (FLEXPACK)
& Managing Director
M/s. Printer Port (Pvt.) Ltd., Karachi

I am extremely glad that FLEXPACK magazine "Packaging Pakistan" is being revived after a very long gap. I would like to compliment the authors and team of the Association's magazine for taking pain and effort to bring this magazine back to life. It should be the effort of all of us to ensure that this magazine is a regular feature and should be able to cover information and news about Packaging Industry of Pakistan and rest of the world. The Flexible Packaging Association of Converters of Pakistan has performed exceedingly well for the last three successive years. The change of this vast industry has been possible only through the hard work and dedicated commitment of every businessperson who are link directly and indirectly with the Packaging sector. I would like to acknowledge the contribution of every one from all of you who are directly or indirectly connected to the Association for this achievement.

At the same time, I would also like to have attention of each one of you that we cannot afford to be content at all. Our customers have started relaxing their assurance on us and hence it is very essential that we rise up to the occasion and meet the expectation of all our stakeholders including our customers. The need of the hour is dedicating us to the growth of the Packaging Industry of Pakistan. While we at FLEXPACK are trying our best to enter into an era of growth and prosperity, it is also very essential that a feeling of happiness and satisfaction generate among all our clients. I would also like all companies to contribute through their articles to make this quarterly magazine a publication worth keeping.

I have tremendous confidence in the complete FLEXPACK team and I am sure all of us together will achieve the common goal of "GROWTH & PROSPERITY". I would like to end my message Mr. Ali Morani, & Mr. Saadat Eijaz Former Office Bearers & Patrons in Chief of FLEXPACK & PACKAGING PAKISTAN for participation in the prospective knowledge and accepting the part to principal it from obverse.

“ MESSAGE



MR. AMJAD ALI JAWA
Senior Vice President
Lahore Chamber of Commerce & Industry

I am pleased to know that “Flexible Packaging Association of Converters of Pakistan” (FLEXPACK) is launching second edition of its magazine under the name of “Packaging Pakistan”. On behalf of the Office Bearers & Managing Committee Members, of LCCI I am paying my sincere gratitude to FLEXPACK’s whole team and assure full cooperation and support from “Lahore Chamber of Commerce and Industry (LCCI)”.

Trade and Industry has to face several challenges. The biggest challenge of all was the deteriorated country’s law and order as well as energy crisis at present and in history both. Many of the industries had to shut down their businesses because primarily there was not enough power to run their business. I am confident that with the development of “China Pakistan Economic Corridor (CPEC)” and major growth/development of Pakistan’s ports, new challenges will appear for the infrastructure and living environments in this country, which needs to be understood and a policy needs to be devised to manage the new challenges and exploration of the initial opportunities.

A great revamping in shape of CPEC has arrived as game changer and in future, many countries will be part of this passage, although many ventures with different dimensions are in stages of completion. We are also assured that the CPEC consists of a package of Chinese infrastructure investments in Pakistan worth 51.50 billion USD. Packaging industry of Pakistan has been playing an important role nowadays because this sector has direct link with many Fast Moving Consumer Goods (FMCG). This magazine generates communication link between the local industries with international industry and also earn precious foreign exchange for the country and contribute in form of taxes and duties to the national exchequer.

FLEXPACK Magazine plays a significant role in betterment and growth of local Packaging Industry. I would also like to acknowledge efforts of Mr. Mujahid Ali Sheikh, Chairman of this esteemed Association for playing a leading role to complete all the legalities and formalities in achieving the license and registration of “Flexible Packaging Association of Converters of Pakistan” with Director General Trade Organization (DGTO), Ministry of Commerce, Government of Pakistan. Last but not least I gladly assure my full cooperation for a better and more positive image of Packaging Industry of Pakistan at all times and at every Forum.

“ MESSAGE



Respected Office Bearers Executive Committee Members, Members of FLEXPACK & Respected Readers.

Assalaam-0-alaykum,

First of all I would like to thank the entire management of Flexible Packaging of Converters of Pakistan magazine for giving me the opportunity to express my gratitude to congratulate Flexible Packaging Association of Converters of Pakistan for getting official recognition from the Government of Pakistan.

Also, we hereby thank and acknowledge great efforts for the betterment of FLEXPACK by the former Office Bearers & Patron in Chiefs, Mr. Ali Morani and Mr. Saadat Eijaz continuation of efforts to unite the industry nationwide and also bring new companies on board by the Chairman Mr. Mujahid Ali Sheikh have been a great team effort.

We Cloud Packaging Pvt. Ltd. (A Company of IR Group), is honored as part of this association and would continue to support in making the FLEXPACK magazine a success and to would make efforts to bring and introduce innovative technologies from around the world.

As Believers we always do our best to serve the industry with better services with our capabilities and make efforts to become one small pillar of the industry and would want to have our name to be in the industry as well as history of the greatest country Pakistan.

We pray for the success of Flexible Packaging industry and wish all members great future...Aameen

Sincerely
Imran Rehman
Founder & CEO
M/s. IR Group of Companies

FELICITATION

Italia Sistemi Tecnologici

&

IR Group of Companies

Congratulate M/s Transworld Multipurpose Industries (Pvt) Ltd On Bringing Fully Equiped state of the art equipment to Reclaim Solvents and wash rotrogravure printing machines parts & equipment.



Model	Capacity	Productivity
IST 122	140 l	Up to 35 l/h



PN 2000 S PLUS	1900	650	500
----------------	------	-----	-----

Al Hamdulillah!!!!

With the Grace of the All Mighty, we have decided to acheive another milestone to be enviromental friently and make our role in becoming part of the waste management system aiming to create awareness for being more safer then before.

Félicitations

Heliograph Holding Group
&

IR Group of Companies

Congratulate **M/s Pak Packages** On Bringing
Fully Equiped state of the art latest Gravostar Spectrum



Message

Alhamdulillah...

Looking always one step a head to buy world's best technology is always been our focus & with Heliograph Holding Group we feel pleased to have top of the line version of hightech engraving machine from OHIO Gravure Technologies USA.

Shafiq Ur Rehman - CEO



An Exclusive Interview With:

MR. ERIC SERENIUS

President,

OHIO Gravure Technologies Inc, USA

1) Packaging Pakistan: Please tell us something about yourself and your company?

The OHIO Gravure Technologies team in Dayton, Ohio USA has been designing and manufacturing engraving equipment since 1980. We have produced a series of first innovations such as our highly versatile engraving heads and automated machines. I joined the team in 1992 as an electrical engineer and now lead OHIO Engraving as President of the company.

2) Packaging Pakistan: What is your corporate profile in terms of products and services? Can you tell us about your new products or plans for growth?

OHIO offers several levels of engraving equipment from the entry-level manually operated Prism engraver, to the semi-automatic Prism Prime, to the fully automatic capable Spectrum. Additionally we have a broad range of robust and stable engraver Heads capable of extreme depths to 300 microns and “laser quality” line work with our Hybrid Engraving. We are also the creators of the Collage Layout system which is an industry standard layout tool capable of driving OHIO, Hell and Daetwyler engravers.

3) Packaging Pakistan: What are the trends that are shaping the printing industry and how do you predict new technologies in the future?

Shorter runs, improved edge sharpness, quality assurance, faster delivery and price sensitivity are always drivers for the market. Fortunately, we have new developments which address all of these issues as described below.

4) Packaging Pakistan: Maintaining quality standards can help you in gaining a competitive edge in the industry. In a nutshell, how do you ensure that high standards are maintained in your operations?

Excellence requires clarity of purpose. Prior to 2012 while part of Daetwyler, we focused on engineering, but OHIO was restructured in 2012 and has since been responsible for

all aspects of the OHIO / Gravostar product line. We now have 100% clarity of purpose, own all issues and seek direct customer interaction. We have been fortunate to retain our key staff in engineering, manufacturing and customer support over the years with an average tenure of 20 years. We take all field failures very seriously and consider them opportunities for improvement. Our machines run 24 / 7 and last for decades. We embrace specialization and therefore outsource our non-core components in manufacturing. This allows us to focus on our expertise, high-precision engraving. We have a performance metrics system which brings internal responsibility and monitors every installed machine.

5) Packaging Pakistan: Research & Development has become an essential element in almost every industry. To what extent do you rely on conducting the research and how important it is for market penetration?

Ideas fuel our company and customer interaction is the driver for the entire creative process. Their needs are the seeds of our new ideas and solutions. Over half of our staff is active on engineering development projects. Recent developments include expanding our engraver portfolio to cover the range of manual operation with the Prism, semi-automation with the Prism Prime and full automation with the Spectrum. Hybrid and Vital Proof are our other significant developments and are described below.

6) Packaging Pakistan: Industry 4.0 is leading future trend. What is your Company's strategy to meet future demands?

Industry 4.0 frames the challenge of an interconnected and self-monitoring factory. OHIO is currently releasing three products that are 100% aligned with this mission: Vital Proof, DocuCell™ and the OHIO Dashboard. Vital Proof is a system that measures and assigns a print density to every engraved cell (described in #10 below). DocuCell allows the customer to pre-select any areas where the cell sizes will be measured for quality control purposes. The measurements of these selected cells are done on-the-fly while the cylinder is being engraved (no added time or steps). Vital Proof and DocuCell are coupled with the test cut data to create our Enhanced Birth Certificate for a complete Self-Documented Cylinder!! Additionally, we have developed the OHIO Dashboard which makes the engraver metrics available via the web. Metrics include the number of cylinders produced daily, weekly, monthly and annually. It also provides links the Enhanced Birth Certificates that, again, brings data to the outside world to enable informed decision making. OHIO is clearly leading the Industry 4.0 charge.

7) Packaging Pakistan: What are the keys factors that give your Company a competitive edge over others in the industry?

OHIO is a very focused and experienced team of engineers, manufacturing and application specialists. We are also a creative and nimble group capable of delivering customizable solutions for our customers. Our only focus is the gravure market, so our efforts are not diluted with mixed goals.

8) Packaging Pakistan: How do you find the potential of Pakistan market in the printing industry? How do you rate its prospects in the near future?

The market has tremendous potential and will grow with the rapidly expanding Pakistani middle class. We have been very impressed with every customer we visited. They are all extremely professional, entrepreneurial and are eager to gain a benefit for their customers.

9) Packaging Pakistan: Can you tell us a bit about hybrid engraving technologies?

OHIO's Hybrid Engraving System is a unique technology that uses the standard known electro-mechanical (EM) cell shape, but shifts the cells at the edge boundaries to eliminate the saw-tooth edge associated with EM. Hybrid engraves both the CT and LW in a single operation for a more accurate and detailed representation of the original artwork. Printers love it because it requires no adjustment in the press since it is the standard cell shape with shifting at the edges (not true of competitive technologies) and provides an easily seen quality improvement with great ink volume.

10) Anything you would like to share, comment or recommend at the end.

We believe that OHIO's concept of the auto-documented cylinder is revolutionary. Vital Proof is the gateway to eliminating the proof press; can you imagine the time and money saved!! For you technical junkies ... Vital Proof digitizes the depth signal associated with each cell and converts this into a density for each cell (or pixel). These pixels are built rev-by-rev in real-time to reconstruct the actual image being engraved. These images are then overlaid for a composite image just like the proof press, only better because it is digital and therefore quantitative. Visit ohiogt.com and 3P in Lahore for more details on Vital Proof.

The 2016 Winner Is... Ohio!

2016 Golden Cylinder Award goes to Hybrid Engraving technology: OHIO Gravure Technologies offers a Hybrid Engraving option for its Spectrum and Prism gravure machines. The GAA thus honors the many years of work the American Heliograph company has spent to improve line work resolution that achieves the high level of printing



results seen with chemical etching processes. It is difficult to produce sharp text with conventional electro-mechanical engraving procedures because image data and engraving screens never match. Small edge cells are created that soften the image rather than sharpen it; full cells have a rough edge. When fine engraving screens are used, both effects are minimized, but at the loss of ink volume.

OHIO's Hybrid Engraving technology is named for its ability to mix traditional electro-mechanical engraving with a method more like chemical etch, on the same machine, in one operation. Instead of being restricted to the standard grid defined by the screen, cells engraved with Hybrid are moved to create a smoother edge and sharper lines. The Hybrid cells are shaped like traditional cells so there is no loss of ink volume, which means printers have little or no adjustments to make. The Hybrid Engraving option also ensures that engraving sizes more closely resemble the original artwork.

According to the award of the 2016 Golden Cylinder Award will be great incentive for the OHIO team to continue setting standards in the area of special gravure printing applications.

What Is Green Packaging.....

& Why Is It Better Than Conventional Packaging For Humans And The Planet?

While there are many forms of sustainable packaging, understanding what it is, how it is used and what makes it better for humans and the planet than conventional packaging is the first step to wider use.

According to the study while green packaging, which is also known as sustainable packaging, are commonly known terms in use today, a significant number of people struggle with their meaning. Green packaging is the use of manufacturing methods and materials for packaging of goods that has low impact on the environment and energy consumption. In other words, sustainable packaging uses environmentally-sensitive methods, including energy efficiency, recyclable and biodegradable materials, down-gauging, reusability and much more.

The importance of green packaging to humans and our environment is incalculable. A great deal of energy is used in the production of traditional packaging such as plastics, corrugated boxes, plastic bags, and other packaging. Most often, the source of that energy is fossil fuels that add millions of metric tons of carbon dioxide and methane into the atmosphere per year while discarded conventional packaging ends up in landfills or oceans causing soil, water, and plant contamination.

By using sustainable packaging, manufacturers and consumers can eliminate these contaminants that destroy the atmosphere, soil and water of our planet. This can be done via use of lowering packaging content, creation of recyclable or biodegradable packaging, and use of alternative energy means such as wind, solar and biofuels in the production and transport of the packaging.

Plastics made from polyethylene are among the most widely used packaging today and among the greatest threat to our environment. Increasingly, manufacturers are utilizing recycled, recyclable and minimalist packaging wherever appropriate. Biodegradable plastics are also in use with mixes of plant-based plastics that replace some or most of the non-renewable petroleum or fossil-based resources used in conventional PET plastic (A type of plastic resin widely used in plastic bottles).



Today's plastic bags from an increasing number of manufacturers are meeting the sustainable packaging threshold with use of Post-Consumer Recycled Polyethylene (PCR PE), which are plastics made from the consumer stream of waste such as bottles, caps and recycled plastic bags collected in commercial and residential recycling programs. Additives are used by some manufacturers to make the plastic bag biodegradable so that it breaks down over a shorter time when disposed of in a landfill.

When it comes to cardboard packaging, major manufacturers are creating corrugated cardboard from 100-percent postconsumer recycled fiber or virgin mixed with recycled fiber to create corrugated cardboard that is also completely recyclable and biodegradable. Many more are reducing or even eliminating the amount of corrugated cardboard they use in packaging, replacing it with foam blocks at corners and bands around the product. The foam is lighter than the corrugate and reduces shipping costs and damage that can occur during loading/unloading and transportation.

There is even sustainable packaging in the areas where molded packaging is used such as egg carton containers and consumer product packaging. The use of 100-percent recycled newspaper, which is mixed into a slurry with water, and vacuum-formed on screened molds creates molded fiber packaging that is resilient and strong enough to compete with most vacuum-formed plastic, expanded polystyrene (EPS), and corrugated designs. The used product has a high recyclability factor and significantly cuts the energy consumption needs in the production over conventional packaging.

This is really only a primer on green packaging and the materials and uses that make it sustainable packaging. As more Americans increase their understanding of the importance of sustainable packaging and more manufacturers increase their use, we can ensure a future with clean water, air, and soil for all.

Filling Machine Industry Trends and Market Growth

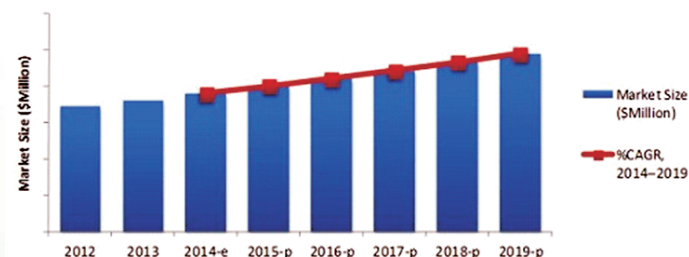
Filling equipment is extensively used in food, beverages, pharmaceuticals and cosmetic industries. The production efficiency of packaging lines for manufacturing companies is determined by the accuracy and precision of the equipment. They are classified as rotary fillers, volumetric fillers, sceptic fillers and net weight fillers depending on the technology on which they work. They are used in industries such as food, beverage, pharmaceutical, cosmetic and other industrial applications such as filling on chemical, petrochemicals and fuels. The filling equipment market is driven by the new filling technology development, increasing demand for the food packaging and changing consumer lifestyle.

Packaging of a product plays an essential role in preventing a product from environment, extending its shelf-life and attracting the customers. Filling of any product in the package is also essential part of the packaging industry. This technology has evolved with the growing demand for creative packaging, depending on the types of various products. The filling equipment available in the market includes manual, semi-automatic, and automatic processes. The increasing demand for advanced packaging equipment is driving the filling equipment market.

The global market of filling equipment can be analyzed on the basis of technology that they work on. It can be further classified based on the process types such as manual, semi-automatic and automatic. The market for filling equipment is segmented as solid, semi-solid and liquid based on the type of products. Market size can be analyzed based on the geographic regions like North America, Europe, Asia Pacific, Latin America and the rest of the world.

Asia pacific was the largest market for filling equipment in 2013. The global Market is projected to reach above \$8 billion by 2019. They key industry players prefer new product launch as a strategy to develop new equipment for their customers.

The filling equipment market is a fragmented market with leading companies driving the market growth with new product launches. The leading players have adopted new product launches as their key development strategies.



IPO: Roshan Packages raises Rs 2.1b in book building

Mr. Tayyab Aijaz's Roshan Packages Limited (RPL) set a new record in the history of Pakistan Stock Exchange (PSE) by reaching a final price 2.5 times the floor price, beating even the highest predictions set by analysts and industry watchers alike. RPL - Pakistan Stock Exchange first listing in 2017. Roshan Packages is part of the Roshan Group, which has been operating in Pakistan since 1959. The group companies include Urdu Digest, Roshan Enterprises, Roshan Sun Tao Paper Mills (Pvt.) Limited. RPL may invest in joint venture, Roshan Sun Tao Paper Mills. The company will invest Rs900 million in expansion of its packages business out of the targeted Rs1.1 billion. Roshan. Sun Tao Paper Mills is a joint venture between Roshan Packages and Shandong Yongtai Paper Mills, a Chinese corrugated paper producer.



Backward integration combined with capacity expansion will allow us to increase market share

CEO, Roshan Packages Ltd.

Mr. Tayyab Aijaz Qureshi, CEO of Roshan Packages Ltd. Tayyab is also the CEO and Director of Roshan Sun Tao Paper Mills, a joint venture between Roshan Packages Ltd and Shandong Yongtai Paper Mills, a Chinese corrugated paper producer. Roshan Packages registered a large increase in asset revaluation surplus in FY16. The amount recognized against revaluation of assets is Rs1.143bn. According to International Accounting Standards assets, are required to be recognized on cost basis or revaluation basis. Roshan Sun Tao Paper Ltd. will be a subsidiary of Roshan Packages Ltd. The important part is we have 60% share and our equity is 55%. We have sold our shares of Roshan Sun Tao Ltd. at a premium, which reflects the trust and confidence place in the Roshan Group by investors. It will start production in 2019. The Chinese will train our workers in production, which will allow skill-transfer to take place. In addition, the project will generate employment of at least 2,000 to 3,000 people. Our goal is to improve our exports in the years to come and open up new markets for exports of packaging products. Our increased capacity, enhanced technology will definitely allow us to be internationally cost competitive. As for the time frame let us get over with the IPO and then focus on building up our export base.

Tetra Pak Aims To Reduce GHG Emissions By 40% By 2030

Switzerland-based food packaging group Tetra Pak has announced its commitment to reduce its greenhouse gas (GHG) emissions by 40%, compared to its emissions in 2015, by 2030.

As part of its partnership with Science Based Targets (SBT), the company is also intending to reduce GHG emissions by 58% by 2040.

Launched in 2015, SBT is a partnership between CDP, World Resources Institute (WRI), World Wide Fund for Nature (WWF) and UN Global Compact that mobilises companies to set emissions reductions target in-line with climate science.



According to Tetra Pak Environment Vice-president Mario Abreu said: “The collaboration with the SBT initiative has helped us accurately define our greenhouse gas emission targets and set a direction for the company in a scientific way.

“The new targets ensure we are able to openly and accurately demonstrate the contribution we are making to a low carbon economy among customers and other stakeholders.”

“The collaboration with the SBT initiative has helped us accurately define our greenhouse gas emission targets and set a direction for the company in a scientific way.”

In order to achieve its goal, Tetra Pak will reduce its energy consumption by a further 12%.

The company will purchase electricity from renewable sources, invest in renewable energy projects and electricity certificate schemes, and install renewable energy systems, such as solar panels.

Furthermore, the company aims to reduce GHG emissions across the value chain by 16% per unit of revenue by 2020.

Tetra Pak currently provides packaging solution for water, milk, juice and other liquid foods.

New Zealand To Ban Micro Beads In Mid-2018

New Zealand will ban personal care products containing plastic microbeads starting July 1, 2018.

According to NZ Environment Minister Nick Smith said microbeads, usually manufactured from polyethylene or polypropylene, pose a long-term risk to aquatic and marine environments.

“Microbeads are too small to retrieve or recycle, do not biodegrade, and are mistaken by marine life as food, causing long-term damage to aquatic animals like fish and mussels. Use of microbeads in personal care products makes no sense when there are biodegradable alternatives, like apricot kernels and ground nuts, that achieve the same results,” Smith said.

Most personal care products in New Zealand containing microbeads are imported. Smith said they include deodorants, shampoos, hair conditioners, shower gels, lipstick, hair coloring, shaving creams, sunscreen, insect repellents, anti-wrinkle creams, moisturizers, hair spray, facial masks, baby care products, eye shadow and mascara.

Smith said more than 10,000 metric tons of microbeads are used annually around the world and some manufacturers have already agreed to phase them out.

“This initiative is part of a global push to reduce the amount of plastic culminating in the oceans, with estimates indicating there will be more plastic in the ocean than fish by 2050,” he said.

Environmental groups Greenpeace New Zealand and Plastic Diet, a group dedicated to eliminating single-use plastic products, have backed Smith's ban. Greenpeace said the law must cover all microplastics.

“Marine life doesn't distinguish between plastic from a face wash and plastic from a washing detergent, so the ban must cover all plastics in all household and industrial products that can go down our drains. We've seen other countries, like the U.S., use narrow definitions that allow heaps of nasty products to stay on the shelves. We can't let that happen in NZ.”

Greenpeace criticized Australia's option to first see if manufacturers and retailers voluntarily self-regulate. “This isn't effective,” the organization said.

Smith said NZ is a small consumer of microbead products by international comparison but the ban is “important for maintaining NZ's good name in marine stewardship.”

Companies that continue to sell products containing microbeads after the ban is imposed face maximum fines of NZ\$100,000 (US\$73,200).

Shrink Labeler/neck Bander Sets New Standard For Speed And Film Flow

PDC International Corporation (pdc-corp.com) introduces an important new iteration of its popular R Series Shrink banders. The biggest beneficiaries: manufacturers who label small products such as pharmaceutical blow-fill-seal vials and ampules.

PDC R Series shrink banders are the fastest machines in their class, labeling and neck banding at line speeds from 400 to 1000 cpm. Engineered for 24/7 service, with continuous material web flow that doesn't pause for cutting, R Series machines apply, with exceptional precision and repeatability, 1-3.75" diameter bands at heights up to 2.375". This makes them ideally suited to a very broad range of shrink sleeve labeling tasks.

R Series systems are designed for the high levels of compliance and sanitation required in the pharmaceutical, food and dairy industries. Systems feature ink jet and thermal transfer coding, 2D and Bar Code Scanning, and Vision System inspection. IQ/OQ documents can also be generated for regulatory compliance.

PDC R-Series Shrink banders have the unique capability to apply thin gauge (1 to 1.5 mils, 25 to 40 micron) banding materials, and are compatible with all shrink sleeve films, including PVC, PET, PETG, OPS and PLA films.

R Series Shrink banders are single-headed, in-line, tamper evident shrink banders that are robust, and easy to use. The operator touch screen and PLC are Allen- Bradley; systems can be supplied with a "Zero-Downtime Splice-on-the-Fly" accumulator unwind stand that eliminates downtime for roll changes. Changing from one product to the next is quick and efficient, thanks to PDC's tool-less changeover feature and motorized height adjustment with pre-set positions.

Like all PDC packaging systems, the R Series was designed using off-the-shelf, readily available components. R Series Shrink banders are part of a broad suite of stand-alone neck banding and shrink labeling machinery engineered and manufactured by PDC.

Pack Print International Returns in 2017

PACK PRINT INTERNATIONAL, International Packaging and Printing Exhibition for Asia, will return for its 6th edition from September 20 - 23, 2017 to the Bangkok International Trade & Exhibition Center (BITEC). With a renewed focus on the packaging sector, Thailand's leading trade fair for this sector will present the entire value chain and full spectrum of the printing and packaging sectors - from developing new products and technology, creating packaging in order to protect food for a longer shelf life to digital printing's economic and speed-to-market advantages for mainstream packaging decoration.

The event will be jointly organized by Messe Düsseldorf Asia, The Thai Packaging Association and The Thai Printing Association and is modeled after the No.1 global trade fairs in their respective sectors - drupa and interpack - organized by Messe Düsseldorf in Germany.

Reflecting key global trends in the market which sees the increasing synergy between packaging and printing, PACK PRINT INTERNATIONAL 2017 will focus on areas such as corrugated printing and packaging, labeling, digital printing, electronic printing and flexible packaging. PACK PRINT INTERNATIONAL 2017 will also broaden its reach to industries such as automotive, electronics, cosmetics, pharmaceuticals, beverage and other fast moving consumer goods.

Turkey's Petkim Raises PP, LDPE, HDPE, And PVC Price

Turkey's Petkim has raised its polypropylene, low density polyethylene, high density polyethylene, and polyvinyl chloride list prices, following more limited import flows, higher costs, and signs of demand picking up, a source close to the company told S&P Global Platts Monday.

PP raffia, fibre and injection were listed at \$1,385-1,395/mt, \$1,445/mt, and \$1,431/mt respectively, sources said. Prices were up \$40/mt. LDPE prices were listed at \$1,560-1,580/mt FCAAliaga, up \$35/mt.

HDPE prices were listed at \$1,380/mt, \$1,375/mt, and \$1,450/mt, for injection, blowmolding, and film, respectively. Prices were up \$30/mt, \$30/mt, and \$65/mt respectively. PVC prices were listed at \$1,180/mt, up \$15/mt.

EC's Dropping Of Anti-Dumping Duties On Chinese Polyethylene Terephthalate Comes Into Effect

The European Commission has dropped anti-dumping duties on imports of Chinese polyethylene terephthalate, as of today.

"The expiry review of the anti-dumping measures applicable to imports of certain polyethylene terephthalate originating in the People's Republic of China is hereby terminated. The decision shall enter into force on the day following its publication," the European Commission said in its decision published Tuesday.

This meant the removal of duties took effect from today.

The decision followed after a review requested to extend the measures was withdrawn, an EC official explained earlier in December.

"The industry association withdrew the request for review of duties," the EC said. Previously, it had said the duties were scheduled to stop by mid-February at the latest.

Before the decision took effect, the EC had anti-dumping duties of up to 22.9% on imports of Chinese PET.

The development followed a request for a review of the impending expiry of the anti-dumping measures filed by the Committee of Polyethylene Terephthalate Manufacturers in Europe (CPME) on June 29, 2015. The EU had previously announced the impending expiry of the measures in a notice dated March 5, 2015.

It remains unclear what motivated the CPME to withdraw its request. The industry body refused to comment on the matter.

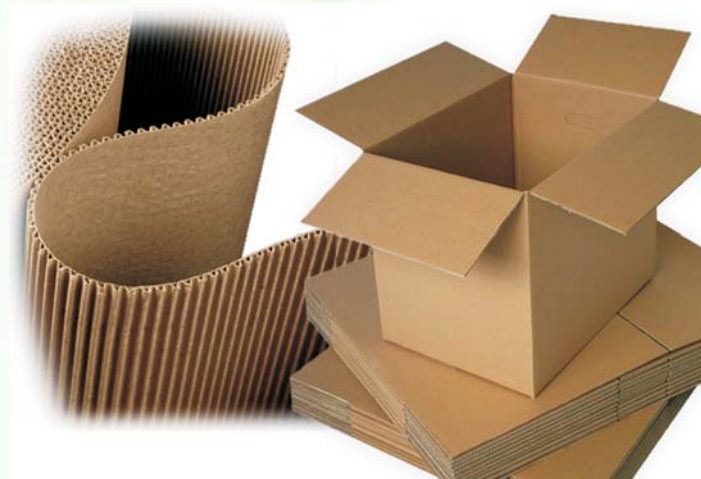
Eurostat data showed that imports of PET from China between January and November 2016 stood at 17,381 mt, down more than 22% year on year.

That volume was small in comparison with the EU's total PET imports of 833,979 mt in the same period.

World Demand For Corrugated Boxes To Approach 260 Billion Square Meters In 2019

World demand for corrugated boxes is expected to increase 3.7% per year through 2019, approaching 260 billion square meters. In developed countries, box demand tends to track overall economic growth and industrial production trends and, as a result, will continue to be relatively slow growing. In developing economies, especially those in Asia and the Africa/Mideast region, growth will be more robust as manufacturers in these areas use corrugated boxes more intensively for product packaging and transportation, in part because boxes are still gaining market share from wood crates and other traditional containers. These and other trends are presented in World Corrugated Boxes, a new study from The Freedonia Group, Inc. (freedoniagroup.com), a Cleveland-based industry research firm.

“In nearly all regions, strong growth in e-commerce will drive corrugated box usage, as will the growing popularity



of retail-ready packaging,” says analyst Mike Richardson. Retail-ready packaging has become increasingly popular in more affluent countries because of the time and labor cost savings it offers. Corrugated boxes will continue to benefit from their sustainability, good environmental image, and low cost compared to competitive products. In addition, suppliers continue to upgrade their boxes in terms of durability and further enhance their aesthetics through the use of digital printing.

The Asia/Pacific region accounted for half of global corrugated box demand in 2014, with China alone representing almost 30 percent. Growth in the Chinese market is expected to slow going forward as growth in manufacturing activity moderates. Despite this deceleration, China will still post one of the fastest growth rates for box demand worldwide. Other countries in Asia expected to see strong gains include India, the Philippines, Thailand, and Vietnam.

The Africa/Mideast region will offer the fastest growth among the six world regions, but will continue to account for less than five percent of global corrugated box demand. While there are a few appreciable box markets in the region, such as South Africa and Turkey, most countries, including the wealthier nations such as Israel and some of the Gulf states, do not yet have manufacturing sectors large enough to support substantial corrugated box sales.

Shanghai World Of Packaging Sees 50% Exhibitor Increase

Exhibitor registrations for swop 2017, Shanghai World of Packaging, are going strong. Currently, the number of companies confirmed to exhibit rose by 50% compared to the last staging in 2015. An additional 1,000 exhibitors are expected to showcase their latest products, technology and services on 645,800 square feet. swop 2017 consists of three trade shows, offering a one-stop platform for processing and packaging solutions: PacPro Asia, FoodPex and BulkPex. The event will take place November 7-10, 2017, at the Shanghai New International Exhibition Center (SNIEC) and is organized by Messe Düsseldorf Shanghai in cooperation with their long-time partner Adsale Exhibition Services and the China Center for Food & Drug International Exchange (CCFDIE).

Toyo Installs Bobst Gravure Press And Comexi Slitter In Pakistan

Pakistan based Toyo Packaging Pvt. Ltd has installed a Bobst Rotomec 4001 gravure printing press and Comexi Proslit S2 DT slitter rewinder. Toyo Packaging was established in 1989. They deal in conversion of flexible packaging material and we specialize in gravure printing, bag making, anti-counterfeiting holographic film, PVC Twist film, PVC Rigid Sheet and triplex laminates.

Comexi Has Moved To Consolidate Its Presence In Central America By Appointing Go Print As An Agent, Which Will Support Customers Throughout The Region

Go Print provides technologies to the flexible packaging industry and has a team of professionals with extensive experience in this sector. Since its foundation, the company has been characterized by working only with top-tier companies.

Go Print offers its services in Nicaragua, Costa Rica, Honduras and El Salvador, where its headquarters are located, in San Salvador.

'Our goal is to provide our customers with highly effective equipment,' commented Go Print CEO Walter Siguenza.

José Santiago, Comexi area manager, said: 'With this new incorporation we want to assure customers have a more agile and closer service. They can notice that Comexi is next to their sides so we can satisfy any need they have and further enhance the current good relations.'

Cosmo Films Has Commissioned Its 10th Bopp Line, The First 10.4m Line Installed In India

With installation of this new line, the company will increase its annual capacity by 40 percent, taking it to 1.96 lakh metric tons. The company's current annual capacity stands at 1.36 lakh metric tons.

This installation is the one of the most advanced lines available in the market in terms of its width and output, and is the first 10.4m line to be installed in India. The line is equipped to deliver both superior quality products with minimized scratches, oil or additive spots, and high surface energy, as well as consistent quality due to automatic changeovers. The line is capable of producing films as thick as 80 micron to cater to segments such as textiles, which require thicker films.

The new line, revealed in October 2015, has been commissioned ahead of schedule and has been installed at the company's facility in Karjan, near Vadodara, India, which already houses BOPP lines, extrusion coating and chemical coating lines, and a metalizer.

The line output will cater to both domestic and export markets. The new line is part of a series of expansions which have been announced in the last year by the company for both its India operations, and its subsidiaries in the US and Korea.

According to Pankaj Poddar, Cosmo Films CEO, said: 'The high speed line equipped with automated changeovers and automatic consumption of waste will not only lead to an increase in power savings but also help the company with its overall operational efficiencies. The new line is expected to contribute to substantial growth in sales and profit in financial year 2017-18.'

Rotoflex Has Appointed Rr Print As Distributor For Its Inspection, Slitting, Rewinding And Die-cutting Equipment In Denmark, Norway, Iceland And Sweden

Rotoflex has appointed RR Print as distributor for its inspection, slitting, rewinding and die-cutting equipment in Denmark, Norway, Iceland and Sweden.

Based near Copenhagen and founded in 1968, RR Print collaborates with a number of the world's best manufacturers of technical equipment and supplies for the printing industry.

According to Kevin Gourlay, vice president of Rotoflex, said: 'As a long-established distributor of printing products and machinery, RR Print offers strong technical expertise and are well-connected to key decision makers throughout the Scandinavian print markets. Their value in representing Rotoflex has already been proven.'

RR Print led the recent sale and installation of a Rotoflex VLI 600 for off-line finishing of unsupported film at label printer Dan Labels in Denmark.

Heidi Graff, owner of RR Print, commented: 'Rotoflex brings an advanced offering of off-line finishing systems that nicely complements our product portfolio. With our extensive line of consumables, we have established an impressive install base and are in regular communication and face-to-face contact with our customers. As a result, we are very tuned in to their current and future finishing production requirements and can now offer Rotoflex as a valuable solution.'



Xeikon Has Installed China's First Xeikon 3020 5-Color Label Press At Xiamen Yu Long Printing Co.

Xiamen Yu Long Printing Co was founded in 2004. The label and folding carton operation's portfolio of products includes leaflets, posters, brochures and packing boxes. Its key customers are from the garment, health and beauty sectors. The Xeikon 3020 joins Xiamen Yu Long's sheet-fed, rotary letter press and offset web presses.

The Xeikon 3020 was specifically designed to address the Chinese 10in market for self-adhesive labels. This extension of the well-established 3000 series of Xeikon label presses delivers unmatched quality and productivity. Businesses can field upgrade their presses to faster speeds and larger sizes as their businesses grow and their needs change.



According to Li Yin Long, director of Xiamen Yu Long said: 'Our maximum width of converting lines for coating, foiling and die-cutting is 10 inches, which is why the 3020 format is a perfect fit. The ability to print variety of substrates, including PP, PET, PE, paper and metalized paper, was also important in our decision to buy. It fits the size and speed of our finishing equipment, and the Xeikon ICE toner allows us to work successfully with heat-sensitive material.'

'We also liked having the flexibility of upgrading both speed and size later without a huge investment. We have been pleasantly surprised with the press's output and quality. In the first month using a single shift, we produced more than 50,000 meters of print, and we are planning to start a second shift soon. The installation and training process went well. I can guarantee you that this will not be the last Xeikon to be installed at Xiamen.'

'Xeikon's installed base in China is growing fast, and there are many more opportunities for growth in the label sector,' said Jackie Chen of Xeikon greater China. 'Xeikon is totally committed to providing best-in-class service with a local service presence to support our growing customer base.'

He added: 'As part of the Flint Group, we already have a strong presence in the narrow web label market and stand ready to support our customers as they add digital printing capabilities to their businesses.'

Uflex Has Developed Reflective Color Communications,

A System That Achieves Metallic Effects On Non-Metallic Substrates Without Using Metalized Inks

The cylinders division of the company attained a metallic effect on non-metallic substrates by manufacturing a special rotogravure cylinder that uses normal transparent gold or transparent silver inks or lacquer inks. This effect is achieved by reflective color communication technology that works in combination with a specialized pre-press software and laser engraving hardware. The customized software ensures that the dots are precisely distributed throughout the design so as to produce a homogeneous metallic effect. Getting the same effect through specialized metallic inks can make conversion costs high. Further benefits of this technology include reduction of laminate cost to the end customer, while converters and brands will benefit with a metallic sheen on a two-ply laminate instead of three or more substrates, as long as a barrier layer is not compulsorily required by the product to be packed.



'A Part of your daily life'

This metallic effect is manufactured as a half tone image. If the white printing cylinder is eliminated, this arrangement translates to much less ink consumption. In addition, these cylinders work on the existing printing machines and make it an economical technology for augmenting a brand's shelf appeal without the use of metallic inks. This technology is adaptable for future substrates, inks and coatings.

According to P K Agarwal, joint president of the cylinders business at Uflex said: 'This technology is a real shot in the arm for converters and helps them add value for their clients by enhancing the aesthetics of their packaging without using prohibitive metallic inks or metallic laminate. We are getting many enquiries for the special printing cylinder.'

Ashok Chaturvedi, chairman and managing director of Uflex, added: 'Such progressive value addition throughout the chain eventually results in an aesthetically unique and functionally superior packaging. The packaging and converting business vertical at Uflex has already tried and tested this technology which makes us confident to offer it to converters outside Uflex.'

Delivering Packaging And Printing 4.0 At Pack Print International 2017: One Stop Pack & Print Pavilion

6th International Packaging and Printing Exhibition for Asia returns from 20 - 23 September with a renewed focus on packaging

Bangkok, Thailand: PACK PRINT INTERNATIONAL 2017, Southeast Asia's premier exhibition for the packaging and printing industries, returns to Bangkok, Thailand from 20 to 23 September. The sixth edition of the biennially-held trade exhibition, created by the industry for the industry, is jointly organized by Messe Düsseldorf Asia, The Thai Packaging Association and The Thai Printing Association. PACK PRINT INTERNATIONAL is driven by the global expertise of the No.1 global trade fairs in their respective sectors - Drupa and Interpack, organized by the Messe Düsseldorf group.

The implementation of "Thailand 4.0" an economic model that will enable Thailand to transform the country into a value-based and innovation-driven economy, moving from producing commodities to innovative products; emphasizing on promoting technology, creativity, and innovation in focused industries and changing from a production-based to a service-based economy, it has also prompted nation- and industry wide movements across the packaging and printing sectors - through Packaging and Printing 4.0 - in keeping towards the end goal of increasing the capabilities of Thai industries through technology and innovation.

PACK PRINT INTERNATIONAL is the One Stop Pack & Print Pavilion. Brought together by the exhibition's co-organizers, the Pavilion will showcase 25 award winning, creative and innovative packaging from Thailand covering the food & beverage, pharmaceuticals, electronics, cosmetics and personal care sectors and more.

The One Stop Pack & Print Pavilion will serve as a targeted platform where innovative packaging designs, packaging end users, packaging producers, material suppliers and machine manufacturers, can all come together to source and share best practices in navigating the dynamic packaging and printing ecosystem. Framing this setting would be a focus on Packaging and Printing 4.0 - where innovation and technological advancements bring new synergies and perspectives to packaging and print - as conveyed through the 3 pillars of packaging 4.0 comprising of package, packaging process for manufacturing and packaging production. "I am positive that the insights exchanged at the exhibition and the Pavilion would be a step forward in strengthening and upping the competitiveness of Thailand's packaging and printing industries, and

fore mostly in contribution towards the Thai economy", said Noppadol Krairiksh, President, The Thai Packaging Association.

The support of key government and industry organizations including the Ministry of Industry, The Federation of Thai Industries which includes 45 industrial clubs as well as Printing and Packaging Cluster of the Federation of Thai Industries towards the One Stop Pack & Print Pavilion," said Pimnara Jiranithitnon, President, The Thai Printing Association. "With this, packaging and printing trade professionals will be able to reach out to many member companies and packaging users, get free professional advice from an alliance of packaging and print related associations, agencies and institutes, as well as learn from successful case studies by champions of industry."

Some 15,000 trade visitors from around the world are expected at PACK PRINT INTERNATIONAL 2017, where they will have the opportunity to discover and source for new, cost-effective machinery from 300 participating international exhibitors and suppliers from 20 countries.

"As we progress together with Thailand 4.0, there is a greater need for trade organizers like us, to align our exhibition line-up with present industry shifts and future trends. With a renewed focus on packaging, PACK PRINT INTERNATIONAL 2017 - as in the launch of the One Stop Pack & Print Pavilion - will present the entire value chain that is, from ideation to creation bringing to the forefront the full spectrum of the packaging and printing sectors; from developing new products and technology to creating packaging that protects food for a longer shelf life to digital printing's economic and speed-to-market advantages for mainstream package decoration," said Gernot Ringling, Managing Director, Messe Düsseldorf Asia.

PACK PRINT INTERNATIONAL 2017 to be a strategic launch pad for packaging and printing businesses to grow their business forward, through drawing critical market insights, gaining invaluable connections and benefiting from the expansive showcase of innovative capabilities and technology.

Augmenting PACK PRINT INTERNATIONAL 2017 show floor's line-up is a series of concurrent conferences, seminars and technical presentations led by industry organizations. This will include an event on Food Loss and Waste in collaboration with the Food and Agriculture Organization of the United Nations. "We are pleased to collaborate again with the packaging industry in encouraging a move towards solution for the reduction of food loss and waste and look

forward to this exciting event" said A. Bennett FAO Senior Food Systems Officer for the Asia Pacific Region.



6th International Packaging and Printing Exhibition

20 – 23 SEP 2017

www.pack-print.de

FELICITATION

**General Converting Machines (GCM) Italy
&
IR Group of Companies**

Congratulates Printerport (Pvt.) Limited

printerport
connect n solve
PRIVATE LIMITED

**on bringing First
Olympia Solventless Laminator Machine in Pakistan**



CEO's Message - Printerport (Pvt.) Ltd.

Mr. Jawed Butt (Jimmy)

I trust that the decision of buying the first GCM machine would be a new opportunity for converters who wish to compare European Lamination Machines.

We are really appreciated the efforts by IR Group and GCM President Mr. Roberto Campora for convincing to take this bold step.



UFLEX Introduces Special Polyester Film For Pharmaceutical Packaging Industry

According to the news India-based Uflex has introduced a new range of blister packs, Alu, for the pharmaceutical packaging industry. The new packs have been developed using a special polyester film, which replaces the bi-axially oriented polyamide (BON) and conventionally polyvinyl chloride (PVC) films used in the cold formed pharma packaging industry. Developed by Uflex's films division, the new special polyester film is also designed to replace the top and bottom substrates of the conventional cold formed aluminum-based laminate.

The new Alu blister packs comprise three layers of films including 36 micron special polyester, 50 micron soft aluminum foil, 36 micron special polyester. Uflex said that the specialized polyester film has moisture absorption as low as 0.8%, representing almost 92% less than that of Nylon film.

Uflex technical and new product development (films) President Pramod Sirsamkar said: "Aluminum foil as you know offers negligibly low oxygen and water vapor transmission rates. Such high barrier may not really be required by the drug packed inside. We are therefore also working towards offering high barrier (yet thinner) specialty polyester films as an alternative to aluminum foil that may further lead to the reduction in overall weight of the ensuing laminate. "The introduction of specialized polyester film in Alu - Alu blister packaging as a replacement for BON and PVC films has also opened up avenues for us to come up with biodegradable and oxo-degradable variants further minimizing the carbon foot prints."

The firm is also working on developing specialty films using recycled polyester and Green PET. Uflex plans to showcase the new film and other products at Asia Pharma Expo 2017, which is scheduled to be held in Bangladesh next week.

World's Most Important Trade Fair For Printing Technologies Will Be Held From 16 To 26 June 2020

The dates of the world's most important trade fair for printing technologies will be brought forward by one week: drupa is to take place now from Tuesday, 16 June, to Friday, 26 June 2020. This was agreed by the drupa Committee and Messe Düsseldorf at their meeting on 15 February 2017. The key argument for this decision was the fact that in some European countries as well as German states the summer holidays would have already started during the initially planned dates (23 June to 3 July 2020). By changing the dates Messe Düsseldorf is responding to requests voiced by both exhibitors and visitors alike.

Explaining the move Werner Dornscheidt, President and CEO of Messe Düsseldorf, said: "When we decided to stick to the 4-year cycle of drupa in consultation with the

leading representatives of the industry during drupa 2016, the majority of holiday dates had not been published yet." He went on to say: "Now we are really pleased that we can offer this solution although there is hardly any room for manoeuvre in the packed trade fair year of 2020. The fact that we agreed on a more compact stand construction period also contributes to holding the entire trade fair in June. And we are delighted to be able to act in our customers' interest by kicking off one week earlier than originally planned."

Unilever Commits To Use Fully Recyclable Plastic Packaging By 2025

UK-based consumer goods maker Unilever has made a commitment to ensure usage of 100% recyclable plastic packaging by 2025. Besides ensuring all of its plastic packaging is designed to be fully reusable, recyclable or compostable, the firm intends to help create a plastics protocol to encourage circular



economy for plastic packaging in the consumer goods industry. Only 14% of the global plastic packaging is being recycled, while 40% ends up in landfill and a third in fragile ecosystems, according to Ellen MacArthur Foundation (EMF), an economic research group working with Unilever.

Ellen MacArthur said: "Combining upstream measures on design and materials with post-use strategies demonstrates the system-wide approach that is required to turn the New Plastics Economy into reality." Earlier, Unilever has committed to reduce the weight of its packaging by one third by 2020 while increasing the use of recycled plastic content in its packaging to at least 25% by 2025. The commitments are part of the Unilever Sustainable Living Plan.

According to the news Unilever CEO Paul Polman said: "Yet it is clear that if we want to continue to reap the benefits of this versatile material, we need to do much more as an industry to help ensure it is managed responsibly and efficiently post-consumer-use. "To address the challenge of ocean plastic waste we need to work on systemic solutions - ones which stop plastics entering our waterways in the first place.

We also need to work in partnership with governments and other stakeholders to support the development and scaling up of collection and reprocessing infrastructure which is so critical in the transition towards a circular economy. Ultimately, we want all of the industry's plastic packaging to be fully circular." Unilever said it reached its goal of ending non-hazardous waste to landfill across its manufacturing operations in 2015.

Hammer Packaging Adds Mark Andy Performance Series Flexo Press To Its Portfolio

US-based packaging solutions provider Hammer Packaging has expanded its portfolio by adding Mark Andy Performance Series Flexo Press with a Rotoflex finishing system. The machine is a 17-inch, 10-color P7 press, which includes a combination hot air drying/UV curing, a Mark Andy QCDC (quick change die cut) unit, web turnbar, and cold foil and lamination capabilities.

Hammer Packaging President and CEO Jim Hammer said: "In selecting this new press we were focused on lead time efficiency, specifically in terms of changeovers, speed of the press, and overall quality of the completed work. "The width of the machine was also an excellent fit for our mix of work, complementing our existing portfolio of high-end UV flexo equipment."

Hammer Packaging supplies products such as cut and stack, shrink sleeve, pressure sensitive, foam and in-mold labels. It is also considered to be one of the largest suppliers of seed packets for the horticultural market. To lend support to this product range, Hammer Packaging is adding its first Mark Andy press to its portfolio of eight web presses, reported labelsandlabeling.com.

The company's existing printing capabilities include sheet-fed offset, variable sleeve offset printing, narrow-web flexo and digital. Hammer Packaging claims that early results from the Mark Andy P7 press have showed an increase in productivity by nearly 60% over its current flexo machines and speeds.

New Turbo For The Cfmp

The new Performance Package promises a significant performance increase of up to 20 percent: For many years, Daetwyler Graphics' CFM P has stood for precise and fast handling of gravure cylinders - around the globe. Widely acclaimed at the drupa 2016, the consequent further developments are intended to give customers clear performance increases. Daetwyler predicts that they can get 20 percent more productivity in daily operations.

According to Swiss company offers retrofitting for existing CFMP users with systems built from 2009 on. The CFM P Performance Package will bring these customers up to the current technical level. A cylinder drive of up to maximum 1500 rpm and a polishing stone drive of up to maximum 600 rpm are the central components of the new CFM P Performance Package. It also includes a newly developed vibration damper, optimized grinding programs and a new software version. Interested companies can contact their distributors or turn directly to Daetwyler Graphics.

Chile Proposes Plain Packaging For Cigarettes

Chile is planning to implement strict rules for tobacco, including plain packaging that depict the gory consequences of consuming such products. The government is proposing a bill that mandates tobacco firms to bring in changes in packaging. The bill also seeks restrictions on smoking at beaches and parks, and a ban on menthol cigarettes.

Having secured approval from the Senate, the bill awaits clearance in the the lower house, reported AFP. The move is being opposed by the tobacco industry, including London-based British American Tobacco (BAT), which holds 90% of the market share in Chile.



BAT Chile corporate affairs Carlos Lopez said: "If they pass the bill as it stands today, we'll close our factory." The tobacco firm has expressed concerns that such legal provisions would support a black market.

Chile houses \$2bn tobacco industry providing direct or indirect employment to 15,000 jobs, according to the National Agriculture Society. The country has highest percentage of smokers in Latin America with 28% of the adults smoking at least once a day.

The bill would put Chile along Uruguay and Panama as countries codifying the toughest anti-smoking laws in Latin America. Earlier this year, tobacco firms, including BAT, sued the UK Government opposing the implementation of plain packaging rule in the country. They contended that the move was against the trademark law. Plain packaging, which was put to vote in March in the UK Parliament, is expected to be effective in 2017. Similar legal provision is already in vogue in Australia.

Successful Installation And Testing With Direct Laser Engraving In Malaysia

Tye Cine Colour Separations Sdn. Bhd. is making waves with Premium Flexo: According to the news, Tye Cine Colour Separations Sdn. Bhd. is now the leading key player for flexographic plate making in Malaysia. After years of providing laser imaging services, Tye Cine identified an opportunity for direct laser engraving using Hell Premium Setter and Conti Laser line materials. Indeed, this process produces a much higher plate and print quality with output resolutions up to 5080 dpi, is a genuine digital workflow and is very environmentally friendly. For example, it



eliminates the need for solvents and frees up a lot of machinery space. Compared with traditional photopolymer plate processes, which require multiple process steps, this two-step process (direct engraving and washing with water) also reduces the scope for human error and process inconsistencies. Using the direct laser engraving system also opens up new markets for Tye Cine and, thanks to Conti Laser line, Tye Cine will be able to supply customers with both plates and sleeves.

Tye Cine is excited about what this new technology holds in store for the company and aims to harness the benefits of direct laser engraving and Conti Laser line materials to venture into new markets.

Reliable Cell Measurement

The latest contribution to a new performance class: K.Walter's fast VideoMet: According to the newly developed VideoMet scores with speed and reliability. Its most important element is immediately apparent: the ambitious lens revolver with three lens sizes. It enables high-quality 2D cell analysis, either manually or automatically. For this, the device only needs to be connected to a Windows 7 or Windows 10 PC or laptop.

Despite its low weight, the VideoMet can be securely placed on the cylinder. Its integrated xy-adjustment allows simple, precise adjustment. Altogether, the VideoMet is very easy to operate: a great advantage in daily usage. Series measurements can also be quickly and conveniently

conducted. The results can be clearly read in a table and easily processed.

All in all, the new VideoMet is optimally oriented to modern, highly productive and efficient workflows in the gravure printing industry.

Highcon Euclid III installed in Komori America's Graphic Technology Center

According to Komori America Corporation has announced the installation of the Highcon Euclid III in its Graphic Technology Center is complete. Komori America & Highcon, a global provider of digital cutting and creasing solutions, entered into a strategic selling agreement in late 2016. Going forward, Komori America will sell and support the entire Highcon product line as part of its overall strategy to create new value and richer communications through "connected print"—the ability to effectively connect various processes to Komori's diverse functions with the latest technologies

The Highcon Euclid III complements Komori's advanced printing systems with its ability to remove bottlenecks in the post-press process as well as deliver increased design flexibility by offering a wide range of applications that include unique packaging solutions, intricate cutouts, etching, unique scoring capabilities and 3D modeling.

"We are very excited to have the Highcon Euclid III as part of our demo center. The need for greater flexibility, innovative applications and faster time to market is top of mind for all printers today and our goal is to continue to support our customers in meeting all three. Having the Highcon Euclid III here gives us the opportunity showcase the path to becoming a print media enterprise with the ability to cover both analog and digital workflows—from print to finishing," says Jacki Hudmon, Senior Vice President of new Business Development for Komori America.

UPM Raflatac Has Launched A New Range Of Labelstock Products Designed To Meet The Exacting Standards Of The Wine Industry In The European Market

The Ice and Ice Premium products ensure that labels maintain their original look and feel in the demanding cold and wet environments that wine bottles - particularly white and sparkling wines - are often exposed to.

Products in the Ice range withstand temperature fluctuations, remain smoothly adhered in humid refrigerated storage, and stay free from edge-lift, bubbles, and wrinkles, even when the bottle is submerged in ice.

Products in the Ice Premium range have a level of wet opacity that ensures the label materials, inks and varnishes, as well as embellishments such as embossing or

foil-stamping, remain as solid and vibrant as when dry, even after four hours in an ice bucket.

According to Jay Betton, Labelling Solutions Manager, Wine & Spirits, Food, UPM Raflatac, says, 'Label designers are increasingly using textured papers with visual and tactile depth to connect with consumers, but their hard work is all lost if the label turns gray when wet or on ice. Our Ice and Ice Premium products have been designed and rigorously tested to showcase wine brands at their finest. When combined with premium-quality label faces, these products will help label suppliers add real value to their customers' premium brands with attractive labels that can withstand cold, wet and humid conditions.

Digital Printing Packaging Market estimated to reach \$42.11 billion by 2026

The market is driven by factors such as strong growth in the demand from the food and homecare sectors. The growing healthcare industry and the popularity of using convenient packaging are major drivers of the digital printing packaging market.

The food & beverages segment is estimated to be the fastest-growing segment in 2015. The demand for digital printing packaging is experiencing high demand from the food & beverage industry, mainly because of the growing demand for packaged and branded products. Increase in demand for product differentiation and labeling for their authentication drives the market growth for printing in the food & beverage packaging segment

The digital printing packaging market, on the basis of packaging type, is classified into labels, flexible packaging, corrugated, folding cartons, and others, which includes rigid plastic packaging and metal packaging. The labels segment accounted for the largest share in 2015 due to its numerous application such as displaying sequential barcodes and numbering, variable text, titles, or graphics, and add substantial value to the product.

According to Asia-Pacific, with emerging economies such as China and India, is expected to drive the digital printing packaging market. China is projected to account for the largest market share and dominate the Asia-Pacific digital printing packaging market in 2021. The growing healthcare and food & beverage industries are likely to drive the demand for digital printing packaging in China. In addition to this, the country's large consumer base, overall positive economic environment, and increase in manufacturing activities will drive demand in the packaging industry.

Kite Packaging launches new paper dispensing system

According to news Kite Packaging has introduced new paper dispensing system, SpeedMan Classic, for low to medium volume packing departments.

Improving the efficiency of packing operations is becoming an increasingly relevant topic for many companies, with a specific focus on how to get a higher volume of product out of the door per man hour.

One of the higher expenses often seen by is the cost of labour so exploring options that help packing staff improve efficiency is an ever more crucial exercise for both high a low volume pick, pack and dispatch operations.

Designed with speed and efficiency as key benefits, Kite's high quality paper dispensing system, the SpeedMan Classic, is the ideal solution for low to medium volume packing departments.

It is compact and maintenance free and dispenses high quality 70gsm and 90gsm fully recycled paper so provides a low cost, environmentally friendly packing option.

Built to be simple to operate, the SpeedMan Classic is favoured by a variety of companies where picking, packaging and dispatching are a crucial part of the business.

It is easily loaded by simply loading the paper into the top, adjusting the machine to sit at the required angle and pulling the paper through the teathed hole, to create the perfect low cost void fill solution.

The SpeedMan Classic can either be mounted to a table using the table stand or if you require a mobile option it can be used with Kite's rolling floor stand. Both options allow the SpeedMan Classic to be easily transferable and highly mobile.

A&R Carton, Packages Limited (Pakistan) Sign Partnership Agreement

A&R Carton AB, Lund, Sweden, a member of AR Packaging, and Packages Limited, Lahore, Pakistan, have signed a strategic partnership agreement. The objective of this agreement is to establish cooperation in the manufacture, procurement, sale and marketing in Pakistan and neighboring markets of packaging made out of cardboard or other materials in combination with cardboard.

"In line with our strategy to expand our footprint outside of Europe, our partnership with Packages Limited will further strengthen our platform and benefit our global customer base," According to Harald Schulz, President and CEO of AR Packaging, said. "After having been a founding partner of Packages Limited in 1956, we are very pleased to join forces with such an established company again to collaborate on new target markets.



DAETWYLER
GRAPHICS PRECISION



IR GROUP
The Believers

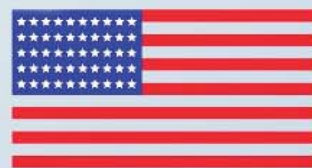
FELICITATION

Heliograph Holding Group

&

IR Group of Companies

**Congratulate M/s Pak Packages On Bringing
Complete Turnkey Project for Rotogravure Cylinder Making**



www.irgroup.com.pk



An Exclusive Interview With:
MR. ALEXANDER SCHOTTEN
 Area Sales Manager (Sales & Marketing),
 Daetwyler Graphics AG, Switzerland

Packaging Pakistan: Please tell us about your company background and its products? Seven complementary brands

Heliograph Holding merger has been accomplished after Drupa 2008. Since 2009 and with over 100 years of experience we have been cultivating a positive, dynamic culture that is typical of a family run business, with an entrepreneurial spirit and quick decision making that enables a rapid response to individual customer requirements. Over this long period, we have grown through the development of innovative products and through the acquisition of numerous companies and shareholdings that all fit together perfectly, transforming us into a flexible, broad based supplier of customized solutions which are Daetwyler Graphics, Hell, Ohio, Schepers, Lüscher, Bauer and K. Walter.

Packaging Pakistan: What challenges are you looking in Pakistan to sale your products?

Our biggest challenge in Pakistan is to convince customers to invest in new technologies. Printing velocity has speed up double or triple then years ago. Customer requirement and standard of living in the fast growing market of Pakistan is changing continuously. Heliograph Holding offer for every section like rotogravure, offset, flexo and embossing the newest and highly innovated products to satisfy our customers.

Packaging Pakistan: What is your biggest achievement in last year globally?

Over 350 machines were sold in the worldwide market. Highly contributed to the spectacular result is the CFM from Daetwyler Graphics. Trend setter technology of the very highest quality. Another reason of our worldwide success is the newest technology and laser innovation from Hell in Germany with new products for the flexo and rotogravure market.

Packaging Pakistan: Please tell us why should local customer purchase your machines, any technology you are using?

Customer benefit from the fact that all technologies are available in - house so that many choices are offered to the user. They also benefit from complete solutions, with Heliograph Holding overseeing and assuming central responsibility for projects. The individual areas of expertise of the Heliograph companies involved are clearly defined and complement each other perfectly. The seven competence center cover all market requirements from packaging, decorative, textile and publication printing to container, can, cup and tube printing as well as finishing and security applications, including in the electronic, glass and automotive industries.

Packaging Pakistan: How do you define your company measure achievements?

Heliograph holding to head in future innovations, service and quality and cultivate for the Pakistani market.

Packaging Pakistan: Please tell us what is the major challenges face to sale your product in new market.

For my opinion the representative is very important. He is our contact between customer and head office to understand and communicate for specific customer needs. Continuously improvement you will get with good customer relations, support and assistance on side.

Packaging Pakistan: What impression did you gather by visiting the Pakistani market?

Pakistani market is not new for the Heliograph Holding. We have long partnerships with many of the existing companies and with Mr. Imran Rehman, the owner of Cloud Packaging which is our representative in Pakistan.



Turnkey Project Management of Cylinder making Finishing and Polishing machines



Lamination & Coating Machines



Rotogravure galvanics & cylinder testing equipments



Rotogravure cylinder engraving systems



Laser Technology



One and Only Hybrid Imaging System



Transportation and Storage Technology



PU Adhesives for Lamination (Solvent base & Solvent Less)



Perfect Solution for Printing Blankets, Rollers and Chemicals



Flexo Plate Mounting Machines with Innovative Virtual Image System Technology(Patented)



More Than Anilox

Advanced Technologies for Packaging Industries in Pakistan



Solvent Reclaimers and Washing Systems



Global leader for Coated & Uncoated Doctor Blades



Highly effective electrostatic systems



Machinery for the Rotogravure & Flexographic Printing



Core Saving and Cutting Machines



Viscosity Control for Inks, Glue & Varnishes



Swiss Antimicrobial Expertise since 1935



Chun Li Fah
A leading brand among the injection machine manufacturer in Asia.



Machines for Flexible Packaging Products

Sustainability And Light-weighting Drive PET Packaging Growth

PET packaging amounted to just under 16.7 million tons, representing a 3.8% increase on 2014 levels. Going into 2016, growth was projected to reach 4.8%, amounting to 17.5 million tons. A strong level of new product developments into under-developed markets such as preserved foods, thermoforming, fruit juice and other functional beverages, are projected to boost the market going forward. In addition, further falls in PET resin prices are also projected to benefit the market.

"The Future of PET Packaging to 2021" report forecasts the PET packaging market, over the next five years, to reach 21.1 million tons in 2021, registering an average growth rate of 3.8% per annum during the period 2016-21. Despite various economic issues in recent years, growth has remained relatively consistent. In the key drinks market, consumption is not as responsive to economic fluctuations as non-food and drink products such as cosmetics and toiletries, household care products and pharmaceutical products.

impact on volume growth of PET packaging in recent years, although growth has still been relatively strong at 4.0% per annum over the period 2011-15.

Sustainability

The plastic sector faces strong challenges in regards to sustainability. In some regards, it will always face sustainability issues due to the nature of its production. However, it is the recycling streams and the development of these that will help neutralize such sustainability issues. Recycling rates have been improving gradually in Europe, but consumer behavior is likely to prevent a fully sustainable material.

It is almost impossible for the industry to achieve 100% recycling rates, but a high level of recycling will help combat sustainability issues. Some countries have bottle banks, whereby consumers can bring back the plastic packaging material for a small cash incentive. Whether this can be successfully applied across the world is arguable,



Lightweighting

Some of the key trends in the market include continued lightweighting. Whilst bottles have seen continued gains in lightweighting over many years, it has continued to gain traction with some manufacturers reaching less than 8 grams for a 500ml PET water bottle. The trend towards lightweight products is partially as a result of cost-optimization and helps manufacturers achieve a competitive edge. Lightweighting has had a negative

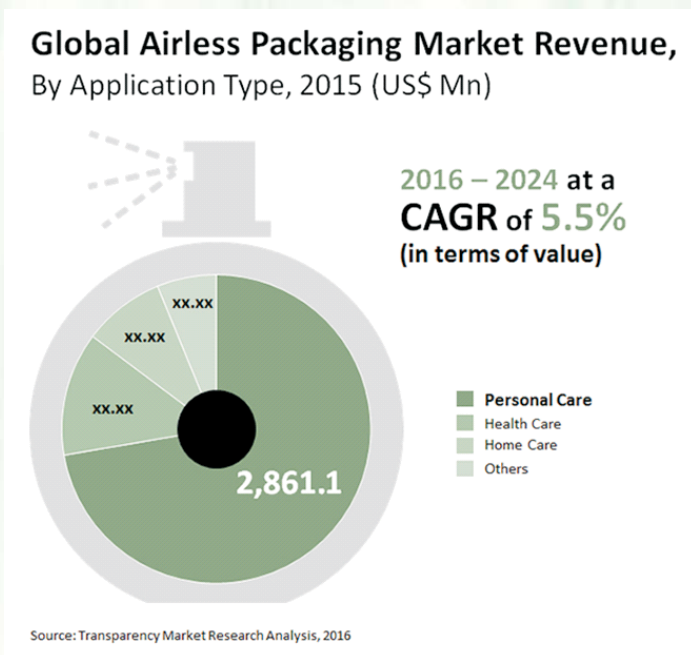
but it is likely to provide some form of incentive for some consumers, especially those in less developed markets whereby recycling education is not on par as more the developed markets of North America and Western Europe.

Nevertheless, sustainability will play an increasingly prominent part in the market going forward. Recycling streams are still largely underdeveloped, even in mature markets and do not provide a short-term solution to the sustainability question.

Airless Packaging Market Global Industry Analysis and Forecast 2016-2024

Global Airless Packaging Market:

According to the international research the global airless packaging market is currently being propelled by its appeal in terms of minimizing space taken. The ability of airless packaging to provide zero wastage of space and product material required is putting it far ahead of its competitive packaging types. The market is also being driven by the massive incoming demand from the cosmetics industry, where airless packaging can be far more beneficial than other types. The global airless packaging market is, however, currently restricted in its overall growth rate by factors such as high machinery costs, the extremely low scope of product differentiation, and the steadily growing demand for its direct competitor - modified atmosphere packaging.



According to the report the global airless packaging market is expected to expand at a CAGR of 5.5% within a forecast period from 2016 to 2024, in terms of value. The market's overall value by the end of 2016 is expected to reach US\$4.13 bn. Assuming the above CAGR and incorporating the ups and downs that the market may experience over the given forecast period, it is expected to reach US\$6.34 bn by the end of 2024. By volume, the global airless packaging market is expected to reach 29,303.2 kilo tons by the end of 2024.

Plastic Continues to be Lead Material Used for Airless Packaging

According to the report based on the type of packaging, the global airless packaging market can be segmented into the two generalized segments of plastics and glass. Of these, the market has consistently been dominated by plastics in

the recent past. It is also highly likely for plastics to remain the leading material type used in the global airless packaging market for the coming years. The typical process of airless packaging allows users to seal the contents - especially food and beverage products - into an airless environment, thereby considerably increasing the product's life expectancy. Plastics make the entire process much easier than glasses or any other material, owing to their elasticity and the ease with which they can be molded. Plastics also provide a much greater storage life than the other packaging materials, thereby making it a highly popular material for airless packaging.



Europe to Lead Demand for Airless Packaging

For a regional assessment, the global airless packaging market is segmented into the key regions of North America, Europe, Asia Pacific, The Middle East and Africa, and Latin America. For the forecast period from 2016 to 2024, Europe is expected to remain the dominant region in terms of demand for airless packaging, registering a positive CAGR of 5.1% for the same. The packaging industry holds a strong ground in Europe owing to a high demand in general coupled with speedy rates of product innovation and development. The airless packaging market in Europe is also being pushed towards providing greener alternatives to conventional plastic airless packaging. North America is also likely to continue contributing a large stream of revenue in the global airless packaging market, primarily due to the massive demand originating from the U.S.

Meanwhile, Asia Pacific is expected to register a phenomenally high rate of growth in demand for airless packaging. A high and still increasing urban population in this region is expected to ramp up its demand for several types of packaging in the consumer goods industry, providing plenty of opportunities for players in the global airless packaging market.

AUTHORIZED
AGENT

 **BOBST**

www.bobst.com



PAKISTAN ROADSHOW 2017

Conference Session

M/s. BOBST organized conference on “Latest Innovations in Flexible Packaging and Label Printing & Converting Solutions - From Raw Materials to Finished Products” at Lahore

Conference was organized by 'BOBST' and 'Partners' with the support of BOBST local agent in Pakistan. 'M/s Sal-Im International Company'. It was set up in order to provide the latest innovations in Flexible Packaging Converting solutions from raw material to finished product from the world leading suppliers to flexible packaging manufacturers so that they can adapt or choose suitable equipment for their lines. Moreover, manufacturing customers in Pakistan can be able to bring these technologies to further develop their businesses and enhance the ability of competitiveness. This conference tightened the relationships between BOBST and partners. They can exchange the information, increase the customer base, and reach the right customers.

PARTICIPATION - SUMMARY

Participation:

Companies: 16

Individual: 85

BOBST: Bobst Firense S.r.l., Bobst Italia SpA, Bobst Manchester Ltd., Bobst Mex SA

Conference Partners:

- ⇒ DUPONT Polymer
- ⇒ C.O.I.M
- ⇒ JINDAL Films
- ⇒ Macchi SPA, Italy
- ⇒ DAETWYLER Swiss Tec
- ⇒ Packages Limited Pakistan
- ⇒ Nestle Pakistan

Speakers - Partners

- ⇒ Dr Flavio Sesia, Resident Manager Asia Pacific - MACCHI SpA Italy
- ⇒ Fahad Masood, Regional Sales Manager - DUPONT POLYMER
- ⇒ Jason Yong, Sales Manager Asia Pacific - COIM JINDAL Films
- ⇒ Lars Lieb, Area Sales Manager - DAETWYLER SWISSTEC
- ⇒ Mehreen Nasir, AMM N&C BUFC - Packages Limited
- ⇒ Muhammad Saleem, Asst Manager Packaging - Nestle Pakistan

Speakers - BOBST and Guests

- ⇒ Salman Hanif, Director Operations - Sal-Im International Company
- ⇒ Josep Roca, Asia Pacific Area Manager - Bobst Firenze Srl
- ⇒ Rainer Rosenbusch, Area Sales Manager - Bobst Bielefeld GmbH
- ⇒ Alberto Gianotti, Sales Manager - Bobst Italia SPA

Recommendation for next edition

It would be more effective if we could held this Event every 2 years either in Lahore or Karachi.



BOBST Conference Lahore on 27th August 2016



PLASTI&PACK PAKISTAN

15th Edition of the International Plastics & Packaging Industry Trade Fair (August 2017 - Karachi Expo Center)

Plasti&Pack Pakistan is celebrating its 15th successive edition in 2017 which promises a strong technology demonstration from the leading local & international suppliers of plastics & packaging trade. Plasti&Pack 2017 is ideally set to host 400 + exhibiting companies from more than 30 countries including Austria, Belgium, China, Denmark, France, Germany, Hong Kong, Iran, Italy, Korea, Malaysia, Netherlands, Poland, Singapore, Spain, Sweden, Taiwan, Turkey, UAE, United Kingdom and United States of America.

The exhibit profile of Plasti&Pack includes latest technology display of Masterbatches, raw materials & petrochemicals, injection & blow molding, pipes & packaging film extrusion technology, filling, sealing, capping & other packaging machines & materials, PET resin & PET products, disposable packaging, paper & paper



converting, labeling & printing technology, flexible packaging, packaging machines, testing & analytical instruments etc.

For the record, it is important to mention that in 2016, raw material worth 1.3 billion \$ was imported in Pakistan. Plastic machinery & printing packaging machinery and parts import was 273 million \$ for the same year. There are more than 6,500 manufacturing units are there in Pakistan in which 7 are upstream, 700 are downstream and 600 to 700 are medium size units

Plasti&Pack Pakistan 2017 is supported by Board of Investment Pakistan (BOI) Engineering Development board of Pakistan (EDB) Flexible Packaging Association of Converters of Pakistan (FLEXPAC) and PCMA

14th Edition of IFTECH FOOD + BEV TEC 2017 will concurrently take place with Plasti&Pack Pakistan 2017 together; these events are the largest gathering of plastics, packaging and food technology suppliers, buyers and industry professionals in Pakistan.



**1st - 3rd August 2017
Expo Centre Karachi**

Plasti&Pack Highlights





An exclusive interview with:

MR. THOMAS LITTERST

Director Sales (Sales & Marketing)

Eltex Elektrostatik GmbH, Germany

Packaging Pakistan: Please tell us about your company background and its products?

Eltex Elektrostatik GmbH, Founded in 1953 in Weil am Rhein, Germany in the world's leading manufacturer of electrostatic systems. With its successful, more than 60-years history, the innovative company's intelligent solutions have become established in numerous branches of industry. A global presence is provided by an international sales network of 50 agencies.

For more than 60 years, Eltex has been focusing on specifically targeting the use of electrostatic energy to optimize production processes and removing it where it has unwanted consequences. The application spectrum in the printing, packaging and finishing production environments is broadly diversified. Here, electrostatic systems from Eltex enable higher production speeds, more efficient work, significantly increased quality, reduced energy consumption, fewer faults and minimized downtimes and spoilage.

The electrostatic solutions developed for this purpose are based on Eltex's highly complex technological expertise gained from decades of experience as the industry's reliable solutions partner. Eltex own excellent development and engineering teams continuously set critical standards for trendsetting innovations.

Packaging Pakistan: Where you see Pakistan Packaging industry will stance in next centuries?

We do see a large potential of growth especially in flexible packaging printing in Pakistan.

Packaging Pakistan: You have understanding about the local market of Pakistani industry for many years. What are the remarks your on it?

Pakistan is a growing market specially packaging industry has a great potential because good packaging will save not only cost of the end product but also the shelf time of the products can be increased without losing the properties of the items if packaged correctly.

Packaging Pakistan: Please tell us where Pakistani Packaging industry are stand in current scenario. Industry will be faced the globally and locally climate challenges?

Honestly, packaging industry in Pakistan has just started to expand and ranking-wise it would be difficult to say its standing however big groups like Packages Limited, Kompass Pakistan, Tripack films have made significant improvements in terms of environmental policies and its adaptation. The global warming impact has to be understood by everyone to ensure their role to save earth.

Packaging Pakistan: What impression did you gather by visiting the local industry?

We have seen many large and modern printing companies running machines from Europe but also from Asia and a number of large foil manufacturers with a lot of machines. Also the textile industry is as is known very large. For us this means a good potential for our Discharging, Charging, Grounding and Measurement products.

Packaging Pakistan: What prospect do you see for your machines in Pakistan in 2017?

We do see a very good potential to equip the machines with electrostatic products which are necessary to achieve higher production speeds, more efficient work, significantly increased quality, and reduced energy consumption, fewer faults and minimized downtimes and spoilage.

Packaging Pakistan: Do you agree on it foreign Packaging machine suppliers will visit Pakistan and find their potential market customer for their products?

Yes, in cooperation with a local company knowing the market best.

Packaging Pakistan: What is your biggest achievement in last year globally?

Eltex has achieved a worldwide revenue growth of 4% by exactly knowing of the market and permanently working on the development of new and to the market requirements adapted products.

Packaging Pakistan: Please tell us why should local customer purchase your machines, any technology you are using?

Eltex Electrostatic devices and systems higher production speeds, more efficient work, significantly increased quality, reduced energy consumption, fewer faults and minimized downtimes and spoilage can be achieved in various industrial areas.

Packaging Pakistan: How do you define your company measure achievements?

Eltex is certificated according to ISO 9001 and is subject to a permanent Q-Review.

Packaging Pakistan: Please tell us what is the major challenges face to sale your product in new market.

It is essential to know the market and to offer best customized solutions.



4th DRUPA Global Trends Report 2017

- ❖ *General confidence amongst printers and suppliers for 2017 but mixed fortunes for markets and regions alike*
- ❖ *Strong plans for capital investment with Finishing the No.1 priority and Sheet fed offset leading press investment plans*

Following the successful DRUPA in spring 2016, this 4th annual Global Trends report gives the detailed evidence to support the thesis that globally Print is recovering well from the double challenge of the 2007/8 economic crisis and the strategic shift towards digital communications.

According to the Sabine Geldermann, Director DRUPA, Messe Duesseldorf, said, "Last year's DRUPA showcased a global print industry that has regained its confidence in the future, with lots of fresh technology and applications demonstrated to enthuse both printers and their customers alike. This report shows that whilst levels of confidence vary between regions and markets, overall the print industry is on the up and will invest strongly to secure a prosperous future."

Recruited from senior managers who visited DRUPA last year, almost 850 printers and over 300 suppliers representing all regions and markets participated in the survey run by Print future, the specialist print consultancy and market research company. "All printers, whatever market or region they are based in, know that if they are to succeed in the long term, they must continue to adapt to the ever changing market and economic conditions. This needs a ruthless approach to efficiency and automation while at the same time learning new skills and adding new added value services. Nevertheless it is pleasing to report that overall, print has got its 'mojo' back."

General confidence amongst printers and suppliers for 2017

Globally 42% of printers described their business as in a 'good' economic condition in 2016, with just 11% reporting it as 'poor', a net balance of +31%, the highest recorded global result of the report series. Prospects for 2017 are better with a net balance of +46%.

However market variances and regional variances are growing. Packaging at +39% net balance and Functional (Industrial/Decorative) at +34% are strongest while Commercial at +26% and Publishing at 23% follow behind. North America once again is the strongest region with a net balance of +49%, followed by Europe and Australia/Oceania at +33%, Central/South America at +29%, Asia at +20%, the Middle East at 19% and Africa at -3%, the first negative net balance of the report series. Indeed on many measures, the Middle East reported a very poor condition, while Africa and Central/South America reported fragile conditions.

Looking at the underlying financial performance figures, printers reported a well-established pattern of falling prices and squeezed margins, compensated for by increasing revenues assisted by higher utilization. In terms of conventional print, the well-established trends continued of falling run lengths and lead times and an increasing number of jobs to be handled.

Notable pause reported in the growth of digital print and a clear fall in the number of Web to print installations

What was different this year was a possible pause in the historic rise in the proportion of turnover that is digital print (28% of printers in 2015 reported that more than 25% of their turnover was digital while the figure for 2016 was 27%). Nevertheless digital print has an ever-increasing hold on Functional print with inkjet the dominant technology for most applications, up from 61% in 2014 to 74% in 2016. Similarly digital continues to grow rapidly in Commercial print e.g. wide format print installations up from 37% in 2013 to 50% in 2016. The much talked of growth of digitally printed packaging is starting, with 34% of packaging printers offering digital print, up from 24% in 2014, although demand is patchy as yet.

Turning to capital investment plans, 42% spent more over the last 12 months and just 11% spent less, a net balance of +31%, and there was a net balance of +41% in respect of plans for 2017. This positive story was true for most regions, the exception being the Middle East where there was a new low for the report series of just +5% in 2016.

Drupa 2020 Invites Exhibitors From All Over The World

Kick-off for no. 1 printing technologies event / Highlight topics showcase the industry's innovative force / New key visual "embrace the future"

The race is on for drupa 2020! With a clear strategic alignment, a new communication strategy and pioneering highlight topics, the international flagship fair for printing technologies welcomes exhibitors from all over the world to present their innovations from 16 until 26 June 2020 in Düsseldorf. The global marketing campaign was launched at interpack 2017, the most important event of the international packaging industry and all related processors, which took place from 4 until 10 May.



The emotive advancement of the successful key visual originally developed for DRUPA 2016 put the industry in the right mood for the event in 2020. The design concept, implemented by Agentur Niehaus Knüwer and friends, refers to the dramatic changes the industry has encountered during the past few years: the new key visual signifies beauty, aesthetic appeal, creativity and depth. Sabine Geldermann, Director of drupa and Global Head Print Technologies at Messe Düsseldorf, explains the key visual's exquisite appearance and tactile effect: „The delicate butterfly wings symbolize departure, change - a transformation process that affect all industries, but particularly the traditional print industry, every company, everybody. Transformation moves companies to rethink their strategies, adapt to new processes and move into new business models - a change that also takes place in people's minds. Different individuals have already moved into the focus of the new marketing campaign. On the one hand, it underlines the international alignment of the DRUPA trade fair, on the other, it shows that trade fairs stand for emotive power and experience and, last but not least, it shows that "people are business". The heads are surrounded by colour digits that symbolize the wide variety of print applications. Below the slogan "embrace the future" you find the DRUPA 2020 invitation extended to exhibitors and visitors, who are welcome to experience and accept technological innovation, trends and future challenges, so as to implement them into their own corporate workflows and tap into new potential."

With this strategy, DRUPA 2020 will write a new chapter in the 2016 success story and prove once again that no other event in this industry has a stronger international attraction and radiance. DRUPA 2020 will continue this strategic realignment and focus on future topics with major growth potential.

Highlight Topics: Packaging Production, Functional Printing, 3D Printing & Industrial Printing

In the wake of growing international markets and increasingly demanding requirements from the industry and manufacturers of branded products, the packaging production segment has again been selected as one of the most important topics for DRUPA 2020. Technological developments in packaging and labelling have engendered innovative solutions in the areas of customizing and personalization, while technologies such as smart and intelligent packaging, packaging design and finishing have become increasingly important. All of these developments are changing the industry. In order to assume an active and successful role in this competitive market, companies need to stay informed about the new technologies that many exhibitors will show at DRUPA 2020.

At DRUPA 2020, packaging will have a special slot called Touch Point Packaging. Launched at DRUPA 2016, this forum created quite a stir. It is organised and hosted in close cooperation with the European Packaging Design Association (EPDA).

It will cover the entire packaging production chain from the brand, materials, design, and print right through to finishing and sales. The interaction between all involved professions - branded products manufacturers, designers, material manufacturers and a high-calibre panel of companies from the printing and finishing industry - will turn this forum into a special place of inspiration where solutions and answers to relevant questions for future developments will be presented.

The future will become tangible in all its facets, and the focus will be on all that is new, unconventional and surprising. An event titled AMAZING, INSPIRING, EXCITING and UNEXPECTED hosted by Best Cases, innovative technology applications and visionary packaging solutions for different markets welcome visitors to an interactive brainstorming session with exhibitors.

The forum addresses interested manufacturers of branded products and designers as well as companies from the packaging segment, who are provided with an opportunity to join the Touch Point Packaging team.

Among the other highlight topics showcased at DRUPA 2020 are subjects such as functional printing, 3D printing and industrial printing. These areas of application have major potential and therefore provide important new markets. The related technologies are also extremely important for the global packaging market, as they provide intelligent packaging with additional functions, while different printing technologies allow the use of a wide range of printing substrates. In the segment of industrial printing, the trade fair will focus on major issues such as "artificial intelligence" and "robotics", new workflows in the production process and the "next generation of industry 4.0" as all of these will have a major impact on the workplace and industry environment.

DRUPA 2020 - no. 1 for printing technologies - will present all technical processing methods for the global printing and media industry as well as for the packaging industry. Werner Matthias Dornscheidt, Chairman and CEO of Messe Düsseldorf, is convinced: "With the innovative products presented by our international exhibitors and the extensive supporting programme, DRUPA 2020 will set new trends. It inspires markets and vertical industries and as such, it provides exceptional networking opportunities, chances and ideas for excellent business deals. DRUPA focuses on the industry's innovative force, provides pioneering technologies with a platform for highlight topics and presents an extensive supporting programme - i.e. the "Touch Points", the "DRUPA cube" and the "dip" - that encourages the transfer of knowledge and dialogue. No other event is more relevant for the entire industry."

PICTURE GALLERY



Meeting Group Photo at 3P Exhibition held on 25th March, 2017 at Lahore Expo Centre



Hi-Tea & Meeting of South Chapter at Karachi held on 4th March, 2017



General Body Meeting of North Chapter at Lahore held on 21st January, 2017



General Body Meeting & Lunch of North Chapter at Lahore held on March, 2016

PICTURE GALLERY

General Body Meeting & Lunch of North Chapter at Lahore held on March, 2016





The World's No. 1 Trade Fair for Plastics and Rubber

Düsseldorf, Germany

230,000 Investment-Oriented Visitors From All Over the World Make For Excellent Mood at K 2016

Exhibitors report concluding numerous deals noticeably more guests from overseas - with particularly high numbers from Asia

The international plastics and rubber industry presents itself in top shape. It benefits from a globally growing end-user market with high quality demands and stands for impressive innovative power across the entire value chain. The extraordinarily good economic state of this sector and the positive outlook for the future characterized the world's biggest trade fair for the industry and made for an excellent mood amongst the 3,285 exhibitors of K 2016 in Düsseldorf. Companies reported a host of new leads, many of which already led to closed deals over the eight days of the trade fair.

Mr. Ulrich Reifenhäuser, Chairman of the K 2016 Advisory Board, put it in a nutshell: "I have never seen such a vast number of decisive customers willing to buy at a trade fair before! The number and magnitude of deals, some of which were concluded here spontaneously, as well as the many concrete enquiries about new projects by far exceed our expectations! It was clear from day one that customers wanted to not only find out about new technologies but also purchase them. There is strong investment in all our customer industries and in all regions of the world."

This assessment held true for all ranges on offer at the trade fair. Exhibitors unanimously confirmed that trade visitors were extremely serious about their business negotiations and showed a pronounced willingness to invest. Furthermore, they emphasized the again higher percentage of international visitors and their very high degree of professional expertise as well as the fact that a disproportionately high number of top managers and company owners had come to Düsseldorf.

230,000 trade visitors from over 160 countries were welcomed to the exhibition halls over the eight days of K 2016. Delighting at the results Mr. Werner Matthias Dornscheidt, President & CEO of Messe Düsseldorf, says: "Just the sheer number of experts visiting K 2016

impressively confirm the appeal and importance of the trade fair - since this number is once again clearly higher than at the previous event in 2013. However, what is more important: the breakdown of trade visitors was of an exceedingly high standard. We can register a constantly good level of demand from Germany and a disproportionately high level of interest from abroad, especially from overseas. It is known the world over that K in Düsseldorf is THE innovation platform for the entire sector. A visit here is simply indispensable for everyone wanting to stay ahead of the competition."

The results from the visitor survey underpin the exhibitors' view that the proportion of international guests has risen once again: some 70% came from abroad. More than 40% of all foreign visitors hailed from overseas - even from as far-away places as Bangladesh, Costa Rica, Ethiopia, the Ivory Coast, Jamaica, Oman, Madagascar, Mauritius, Surinam and Togo they travelled to the Rhine. As expected, the experts from Asia accounted for the largest group among foreign guests, which grew yet again: nearly 30,000 experts came from South, East and Central Asia. Guests from India again constituted the biggest group here but the number of visitors from China, South Korea and Iran also rose significantly. Almost on a par remained the proportion of visitors from the USA and Canada with some 6% of all foreign visitors.

Almost 60% have the final word on, or are decisively involved in, their companies' investment decisions. K plays an outstanding role in deciding which investment will be made: almost half the visitors stated that they waited for the trade fair before realizing any purchasing projects.

Exhibitors in all exhibition segments had prepared for K 2016 for months in order to face international competition with convincing innovations. And they met with enormous approval: trade visitors were thrilled with the wealth of new technical developments presented to them by raw materials producers, machine manufacturers and producers of semi-finished and technical parts. Over 70% of visitors confirmed having received information on news and trends. By their own accounts, numerous visitors wish to immediately convert these new insights in investment: 60% of industry decision-makers said they had visited the

trade fair with concrete intentions to buy while 58% had already found new suppliers. With these new purchases visitors first and foremost pursued three objectives for their enterprises: expand their product portfolio, extend production capacity and increase efficiency. The results of the visitor survey also confirm the positive business situation in the downstream sectors of the plastics and rubber industries: 60% of the visitors polled rate the current situation as "very good" and "good" while the same percentage even expect the situation to improve over the next twelve months.

Energy, material and resource efficiency were the dominating themes at K 2016. Also meeting with avid interest were new materials, innovative recycling concepts, new application areas for organic plastics and additive manufacturing. Smart, quick and flexible lines and services were in high demand among customers; Industry 4.0 dominated not only lectures and discussions but was also demonstrated hands-on at many stands. Machine and plant manufacturing, which occupies the biggest exhibition area at K 2016 with over 1,900 exhibitors, was also the center of attraction for visitors; a good two thirds of all experts polled ranked this segment first. 46% said they were predominantly interested in raw and auxiliary materials, while for 25% semi-finished products and technical parts made of plastic and rubber were the main reason for coming (multiple choices possible). Albeit the smaller sector of the two, the rubber industry made a highly visible appearance at K 2016 and underscored its importance in the areas of mobility, leisure, household and energy.

Visitors came from all important user industries - from the construction sector and automotive to packaging and electrical as well as medical device technology not forgetting agriculture. They all again gave top scores to the ranges on display in the 19 exhibition halls: 97% ensured that they had reached their goals 100% while 96% said they were impressed with the line-up at K 2016.

Also going down well with the experts from throughout the world was the line-up of accompanying events at K 2016, especially the Special Show "Plastics shape the future" and the Science Campus. The Special Show, a central forum for swapping information, thoughts and opinions in Hall 6, complemented the exhibits at K for the ninth time now. This year saw individual themed days illustrate the impact plastics have on shaping modern living environments. The agenda featured expert discussions and entertaining presentations and sports activities as well as exciting experiments. At the Science Campus exhibitors and visitors to K 2016 obtained a focused overview of scientific activities and results in the plastics and rubber sectors and were given the opportunity to make contact with numerous universities, institutes and sponsoring organizations.

The next K in Düsseldorf will take place from 16 to 23 October 2019.

Printing Paper With Light Instead of Ink

Researchers from Shandong University, the University of California, Riverside and the Lawrence Berkeley National Laboratory have developed a UV light printable paper, which can be used by large-scale printers.

Do you still remember being a child and sharing your secrets with your best friends in invisible ink so that nobody else could read them? A new method developed by researchers from Shandong University, the University of California, Riverside and the Lawrence Berkeley National Laboratory seems to be quite similar to this approach. Their UV light printable paper, which can be used by large-scale printers, could save money and reduce pollution.

UV Light: The New Ink: The rewritable paper works quite easily, because the only secret to print with light lies in the color switching property of nanoparticles called redox dyes. The used Nano-coating consists of Prussian blue, a non-toxic blue pigment that loses its color when it gains electrons, and titanium dioxide, a photo catalytic material that interacts with UV light. When ultraviolet light shines on paper, the titanium dioxide releases electrons that are absorbed by the Prussian blue. This causes the pigment to change its colors from solid blue to clear. The scientists are then able to use targeted UV light to write blue text on a clear background, which is easier to read than the other way round.

Printing with UV Light: Easy, Cheap and Sustainable: According to the research, once printed the paper retains its look for at least five days with high resolution. Through oxidation, it then slowly fades back to solid blue. To erase the content more quickly, the paper can be heated to 120° C for about 10 minutes. Light printable paper that has the same look and feel as conventional paper addresses the pain points in conventional paper production. The low material costs and the given possibility to rewrite the paper make it a sustainable substitute to traditional paper. Thus, this method is even more resource-efficient than the re-usable paper that can be printed on with water instead of ink we already presented on the blog. Now, the scientists are taking the next steps. They are about to reduce its costs for commercial scale use and constructing a laser printer to work with this rewritable paper to enable fast printing. Further, they want to make this technology available for broader applications, because it might be useful for those involving temporary information such as newspapers, product life indicators and oxygen sensors.

Global Flexible Packaging Market Sees Rapid Growth

Global Demand For Flexible Packaging Is Projected To Reach \$210 Billion In 2015 According To Research Report By Smithers Pira.

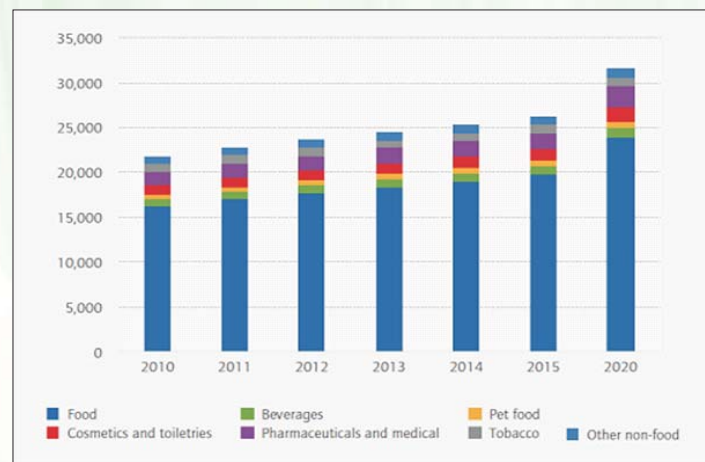
According to the article, the market is forecast to grow at an annual average rate of 3% reaching \$248 billion in 2020. Flexible packaging has been one of the fastest growing packaging sectors over the past 10 years, thanks to increased consumer focus on convenience and sustainability, and this rapid development will continue to accelerate, the report has found.

This major new report by Smithers Pira - The Future of Global Flexible Packaging to 2020 - provides market sizes and forecasts broken down by substrate, packaging type, technology, end use and geography with detailed analysis of the key growth areas. Based on extensive new primary research, this report is an essential guide to the global flexible packaging supply chain.

Flexible packaging is the most economical method to package, preserve and distribute food, beverages, other consumables, pharmaceuticals and other products that need extended shelf life. It can be designed with barrier properties tailored to fit the products being packaged and their end-uses, whereas other barrier packaging formats generally provide a one-size-fits-all approach. Flexible packaging can now be made in a wide variety of innovative shapes, sizes and appearances, and can include components such as handles and opening and reclosing features such as zips and spouts.

Flexible packaging technology has advanced dramatically over the past 10 years and is now a consumer household mainstay, steadily moving into new markets and applications. Products have progressed from simple monolayer bags and wrappings to coextruded or laminated engineered multilayer and coated constructions, comprising multiple materials such as plastics, paper and metal foils, coatings and other additives. These developments provide properties such as high barrier to oxygen, extended shelf life and convenience, all of which are increasingly demanded in packaging for food, consumables and pharmaceuticals. The properties of flexible packaging can be tailored to provide specific combinations required for packaging a broad range of products.

The global flexible packaging market report shows that the global consumer flexible packaging market value is estimated at \$91.7 billion for 2015 and is forecast to grow at an annual average rate of 4.4% during the period 2015-20 to reach \$114 billion. The market tonnage of this segment is estimated at 26.2 million tons in 2015 and is forecast to grow on average by 3.8% during the period 2015-20 to reach 31.7 million tons.



Indications are that world demand for consumer flexible packaging will continue its upward growth trend in 2015 and well beyond, especially as developing economies continue to expand. China is the largest national market for consumer flexible packaging, with a market tonnage of 6.07 million tons. Asia is the largest regional market with 40% of global market volume, followed by Western Europe and North America. Asia is also projected to be the fastest growing market for consumer flexible packaging over the forecast period, with an annual average rate of 6.6% in volume terms. India and China are the fastest growing national markets for consumer flexible packaging at 9.4% and 6.9% annual rates, respectively, over the 2015-20 forecast period.

According to this report Food is projected to account for almost three-quarters of global consumer flexible and forecasts packaging consumption in 2015. Meat, fish and poultry account for the largest usage food sector for flexible packaging, followed by confectionery and baked goods. Flexible food packaging has been growing at an average annual rate of 4.0% in volume terms over the period 2010-15. It was the fastest growing end-use sector with beverages and pharmaceuticals following close behind.

In terms of future growth, a number of new packaging materials will become commercialized over the forecast period. Packaging converters looking to reduce production and transport costs are benefiting from the increase in flexible packaging types, aided by the continual development of new pouch designs - particularly the potential for an all-plastic barrier pouch - and by growing consumer demand for convenience and packets that are easy to open and close. New processes and machinery will enable pouch filling speeds to match those of bottles over time.

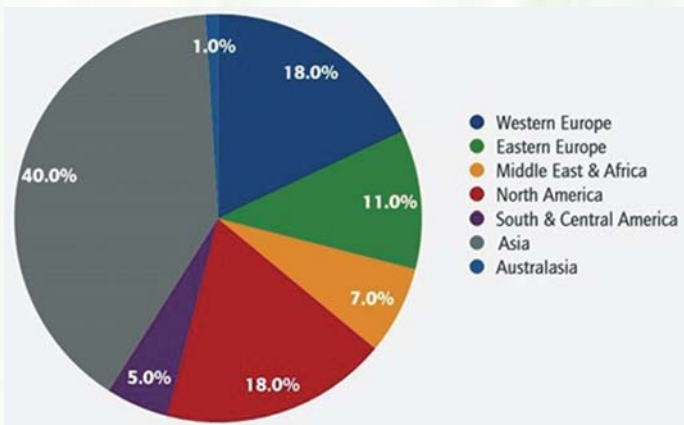
Advances in digital printing will provide opportunities for direct in-line printing as part of the conversion operation and developments in packaging and graphics to meet the requirements of brand-owners and consumers for rapid product changes, versioning, personalization and individualization.

Demand For Plastic Films Is Continuing To Grow

Global demand for plastic films is forecast to grow by 4% per annum to 2021 reaching 73.3 million tons

Global demand for plastic films is predicted to reach 61.3 million tons for the calendar year 2016, and forecast to grow at an average annual rate of 4% during the forecast period 2016-21 reaching 73.3 million tons, according to Smithers Rapra, BOPP films have one of the highest growth rates of films during the period 2016-21, which is a significant volume increase from its starting point in 2011. PVC is forecast to show no growth due to competition from other plastic films.

According to the new report the Future of Global Plastic Films to 2021 the developments of the global plastic films market is dependent upon a number of socio-economic trends, ranging from economic influences, lifestyle and demographics changes to the development of new materials and packaging technologies and emerging trends in end-use markets. These have enhanced the value of plastic films and made them even more attractive to brand owners, converters and consumers around the world.



Lifestyle changes are driving consumer demand for novel packaged products. As the middle class has grown and disposable incomes have risen, so consumers have become increasingly time-constrained, especially in the developed markets over the review period. This has forced them to choose processed and prepared goods that are packaged using lightweight plastic films, which offer greater convenience and portability. Innovative packaging solutions, such as microwaveable packaging, single-serve packs, stand-up pouches and blister packaging have become commonplace and have contributed to the development of plastic films in Western Europe, North America and Australasia.

As a consequence of world population growth, urbanization has been rising - especially in the regions with faster growing populations of Asia, South and Central America, the Middle East and North Africa, as well as in Eastern Europe and is generating additional demand for packaged

products. In addition, plastic film packaging is benefiting from domestic supermarkets and hypermarkets, as well as international retail chains which have been spreading in many of the major cities in these regions, and capturing a growing share of food and drink consumption from small local stores. This emerging and growing retail sector has become favored by consumers since it brings them into contact with Westernized shopping and packaging patterns, with their expansive range of products and a diverse selection of private and premium brand labels, boxed into value added packaging with prolonged shelf lives.

Europe PET Prices Stabilize After Initial Rise

LONDON (ICIS)--Domestic prices for European polyethylene terephthalate (PET) stabilized after a rise earlier in the month.

The majority of players said PET was still available as low as €970/ton, but some mentioned that the lower end had firmed to €990/ton. The domestic prices for PET Bottle Grade are therefore €970-1020/ton free delivery (FD).

At the start of this month, PET prices moved up in line with higher feedstock costs following the January contract settlements of upstream monethylene glycol (MEG) and paraxylene (PX).

Many market participants expect this price increase to take place in February and sources said that pre-buying activity had increased markedly as a consequence.

One producer said: "Whereas people maybe in the fourth quarter were happy to buy as of when, in the belief that tomorrow might be a cheaper day, I think it is clearer at the moment that tomorrow might be an expensive day. If you have the cash and the place to store material you might as well buy now."



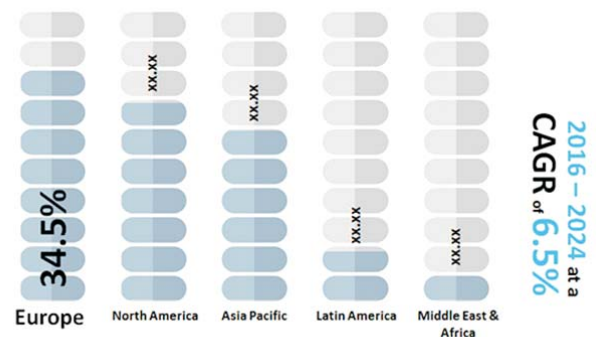
2-Shot Injection Molding Market Global Industry Analysis, Size, Share, Growth, Trends, And Forecast 2016 - 2024

Global 2-shot Injection Molding Market: According to the international research report the 2-shot injection molding process uses a single injection molding machine and a single injection mold to manufacture a part with two or more polymer resins in just one cycle. The demand for 2-shot injection molding has been considerably high in the past few years as it allows production of highly precise parts with exact repeatability using a single tool. Owing to this reason, the global 2-shot injection molding market is likely to be worth US\$11.5 bn by the end of 2024 as compared to US\$6.6 mn by the end of 2015. Between the forecast years of 2016 and 2024, the global market is expected to expand at a CAGR of 6.5%.

Cost-effectiveness of 2-shot Injection Molding to Drive Demand: The global market is being driven by the cost-effectiveness 2-shot injection molding as it enables production of two parts in just one operation process. Thus, the advantage of a reduced cost of production is expected to drive the overall market all through 2024. The global market is also being propelled by the growing pressure from several governments across the globe to recycle plastics. The strict government regulations pertaining to the use of plastics has forced industries to reuse the materials used in manufacturing. Thus, the new rules work in tandem with 2-shot injection molding process that uses recycled plastic for making components that have the same look and property.

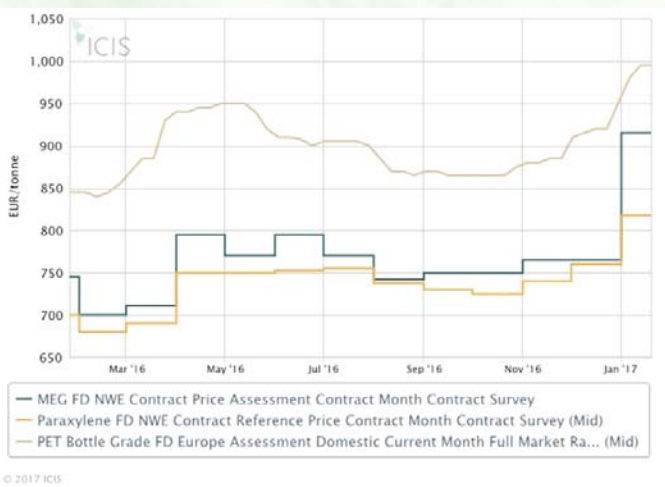
Global 2-shot Injection Molding Market Share (%)

By Region (2015)



Source: Transparency Market Research, 2017

Automotive Industry Shows Stupendous Growth in Global Market due to Widening Applications: On the basis of application, the global 2-shot injection molding market is segmented into medical, automotive, consumer goods, industrial, packaging, and electrical and electronics. The automotive segment held a key share in the global market in terms of revenue in 2015, accounting for nearly 20% of the overall market. According to the report the demand for 2-shot injection molding in this segment is slated to remain high in the coming years.



Those looking to buy PET for January delivery were therefore described as scarce.

One trader said that no volumes were booked this week as customers were waiting to see how the market develops ext month instead.

Sources also discussed more general market trends such as the growing use of recycled polyethylene terephthalate (R-PET) as a lower-priced alternative to PET.

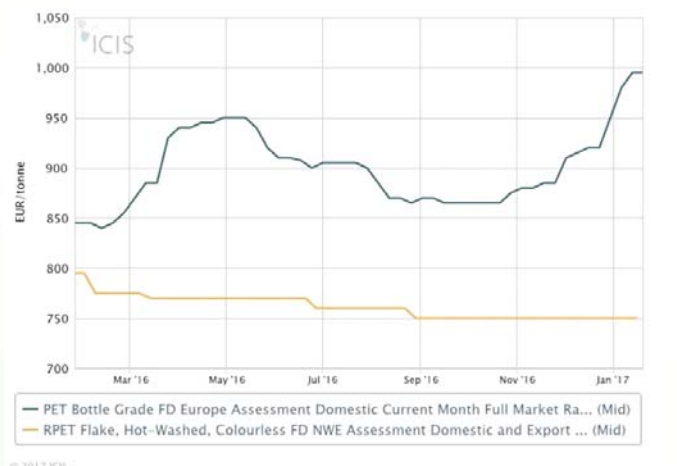
Typically, the price of R-PET is not as responsive to raw material and oil price pressures as PET.

Consequently, when PET prices rise, a price gap can open between the two products.

R-PET's pricing trends do, however, often echo PET prices as the products compete directly in certain applications.

Players in both markets have noted that these movements have now begun to happen due to PET's recent, sharp upward price direction.

One PET buyer expects R-PET transactions to become more expensive as demand for the product increases.



© 2017 ICIS

Several components such as air vents, keypads, lock casings, key shells, housings for electronic control units, mirror systems, interior and exterior trim, lighting, and door handles are manufactured using 2-shot injection molding processes.

The report states that the medical industry is expected to be the next big application segment of 2-shot injection molding processes. This application segment is anticipated to rise at a CAGR of 7.7% in the coming years. The overall rise in the pool of geriatrics and growing medical industry are expected to drive this application segment in the coming years.

Europe to Lead Global Market; Germany Remains Key Automotive Hub: In terms of geography, the global 2-shot injection molding market is segmented into North America, Europe, Asia Pacific, Latin America, and the Middle East and Africa. Of these, Europe held the large share in the global market, accounting for nearly 30% of it in 2015. Europe is expected to maintain its stance as the region will focus on product differentiation in the coming years to stay ahead of the competition. Germany is expected to drive the regional market by exhibiting a soaring demand for polymers that are used in 2-shot injection molding processes of the automotive industry of the country.

Enabling Sustainability In The Packaging Industry



Emerging markets such as China, India, Brazil and Indonesia are at the forefront for packaging growth. Increasingly strengthened economies, rising available income and improved retail infrastructures are the main drivers for this development. In terms of growth in sustainable packaging, Europe and North America have been at the forefront for several years. But a rising middle class with a growing conscience for health and environmental issues in the emerging markets is moving the scale in the other direction. Asia for instance is expected to account for 32% of sustainable packaging by 2018.

Consumer consciousness and governments' responses with legislation that increasingly enforces sustainability are certainly important drivers for the packaging industry worldwide to move the sustainability topic up on their strategic agenda. But packaging sustainability also closely links to profitability, which increases through efficiency improvements. Energy savings and waste reduction are two key objectives. According to a PIRA study on sustainable packaging, the most common packaging sustainability trends are:

- reduced material use
- recycling and waste recovery
- the use of recycled content
- increased use of materials from renewable sources
- improvements in sustainable packaging and logistical efficiency

The largest end-use markets for sustainable packaging are the food and beverage markets, Together they account for more than half of the overall market.

As we have seen, sustainable packaging mainly refers to packaging made of recycled or biodegradable materials or to reusable packaging. Recycled packaging has the largest share in the overall sustainable packaging market, with almost 90%. Paper is the leading recycled material with 65%, followed by metal, plastic and glass, in this order. The material with the highest growth rate is recycled plastic, expected to have a CAGR of 10% from 2013 to 2018. Biodegradable packaging only has a 1% market share, but is expected to have the strongest growth rate with a CAGR of 12% from 2013 to 2018.

But recycled materials pose different challenges not only to the food packaging industry, but also to their suppliers. Different substrate properties can require adjustments in the adhesive to maintain or even improve the required high adhesive performance. The major concern however, particularly in the food and beverage industries, is to assure that these materials don't pose any risks when used in food contact. They should act as environmental barriers, for example against light and moisture or against the migration of various substances, such as inks and adhesives. Recycled board for instance is not regarded as being suitable for direct food contact, due to its higher levels of contaminants and chemical residues. Recycled plastic is subject to similar issues, which is why most of these materials cannot be used for direct food contact and are therefore mostly used in secondary packaging. For adhesives, there is no harmonized regulation in Europe in this field, making it difficult to evaluate, depending on a variety of factors.



Members Directory (South Zone)

- 1) M/s. Al-Amna Packages
Mr. Asim Fazal
Plot F-491, Ground Floor S.I.T.E, Karachi
Phone: 021-32595496
Email: asim.alamna@yahoo.com,
asimfazal@alamnapackages.com
URL: www.alamnapackages.com
- 2) M/s. A To Zee Printers
Mr. Muhammad Suhail
Plot No. A-24 G, S.I.T.E, Karachi
Phone: 021-32561405-32578701-32578701
Email: atozeepriener@gmail.com
- 3) M/s. Continental Print & Pack (Pvt.) Ltd
Mr. Ali Morani
A-24/H, S.I.T.E, Karachi
Phone: 021-32552218-19
Email: cpld10@gmail.com
URL: www.contipack.com.pk
- 4) M/s. Cloud Packaging (Pvt.) Ltd
IR Group
Mr. Imran Rehman
Plot No. 189/A, Office No.809, Portway Trade Centre, SMCH, Karachi
Phone: 021-34329040- 021- 34329040
Email: ir@irgroup.com.pk
URL: www.irgroup.com.pk.
- 5) M/s. Eastland Industries Corporation (Pvt.) Ltd
Mr. Ghazanfar Tahir
B/60 Manghopir Road, S.I.T.E Karachi
Phone: 021-32581073-74, 021-32570759,
021-32572384, 021-32550146-47
Email: info@eastlandind.com
URL: www.eastlandind.com
- 6) M/s. Fazleesons (Pvt.) Ltd.
Mr. Tarique Rehman Fazlee
F-42, Hub River Road, S.I.T.E, Karachi
Phone: 021-32563971, 021-32572210,
021-32565446
Email: tarique.rehman@fazlee.com
URL: www.fazlee.com
- 7) M/s. Hani Gravure Prints
Mr. Muhammad Khalid
1st Floor, F-87, Central Avenue, S.I.T.E., Karachi
Phone: 021-32560777
Email: hanigravureprints@gmail.com
- 8) M/s. Intercom Trade Services (Pvt.) Ltd
K-Group
Mr. Muhammad Kafil Sheikh
245/2/F, Block-6, PECHS, Shahrah-e-Faisal,
Karachi
Phone: 021- 34549986
Email: k@kgroup.com.pk
URL: www.kgroup.com.pk
- 9) M/s. Jilani Industrial Corporation (Pvt.) Ltd.
Mr. Saad Habib
F-312/A, S.I.T.E, Karachi
Phone: 021-32588327
Email: saadhabib1979@gmail.com
- 10) M/s. K.B. Enterprises
Mr. S. M. Faraz
F-24, S.I.T.E, Near SSGC, Karachi
Phone: 021- 36605344, 021-36689054
Email: info@kbenterprises1.com
URL: www.kbenterprises1.com
- 11) M/s. Kamil Packaging (Pvt.) Ltd
Mr. Muhammad Ibrahim
A-70, Manghopir Road, S.I.T.E,
Opp. Valika Hospital, Karachi
Phone: 021-32030021-021-32596629
Email: ibrahimajmalk@gmail.com
info@kamilpackaging.com
URL: www.kamilpackaging.com
- 12) M/s. Kashif Trading
Mr. Kashif Abdullah
Plot No.11-C, Khayaban-e-Ittehad, Lane-1,
Phase-6, D.H.A., Karachi
Phone: 021: 021-35347571-79
Email: kashifabdullah@kashiftrading.com
URL: www.kashiftrading.com
- 13) M/s. Metatex (Pvt.) Ltd.
Mr. Khalid Khanani
Plot No. S-29, S.I.T.E, Mauripur Road, Karachi.
Phone: 021- 34533611-4
Email: khalid@metatex.com.pk
URL: www.metatex.com.pk
- 14) M/s. Printer Port (Pvt.) Ltd.
Mr. Jawed Butt (Jimmy)
F-79, S.I.T.E, Karachi
Phone: 021-32589123-4
Email: jimmy@printerport.com.pk
URL: www.printerport.com.pk
- 15) M/s. Printech Packages (Pvt.) Ltd.
Mr. Badar Rais & Mr. Anas Habib
F-656, Adjacent D-50, S.I.T.E, Karachi
Phone: 021- 32589204
Email: badarrais@printechpackages.com,
anas.habib@printechpackages.com
URL: www.printechpackages.com
- 16) M/s. Rototec (Pvt.) Ltd.
Mr. Mansoor Shaikh
Plot No. 45, Sector-24, Korangi Industrial Area,
Karachi
Phone: 021- 35060281, 35076620, 35076630
Email: mansoor-shaikh@rototec.com.pk,
mansoor-shaikh@hotmail.com
URL: www.rototec.com.pk
- 17) M/s. Saima Packaging (Pvt.) Ltd
Mr. Yousuf Tinwala & Mr. Aleem Tinwala
Plot.60- A, Sector-15, Korangi Industrial Area,
Karachi
Phone: 021-355050176-9- 021-35114584-7
Email: yousuf.tinwala@saimapac.com,
aleem.tinwala@saimapac.com
URL: www.saimapac.com
- 18) M/s. Six Sigma Printers
Mr. Muhammad Rahid
Plot-25, Sector-24, Korangi Industrial Area,
Karachi
Phone: 021-35121256
Email: sixsigmaprints@gmail.com
- 19) M/s. Specialty Printers (Pvt.) Ltd
Mr. Iftikhar Allawala & Mr. Azfar Allawala
F-159, Off; Hub River Road, S.I.T.E, Karachi
Phone: 021-32579030-34
Email: azferallawala@specialtyprinters.com
URL: www.specialtyprinters.com
- 20) M/s. Sal-Im International Company
Mr. Salman Hanif
Mall Square, Office No.10, Zamzama Boulevard
Phase-V, Clifton, Karachi
Phone: 021-35861885-021-35878801
Email: info@sal-im.com
URL: www.sal-im.com
- 21) M/s. Transworld Multipurpose Industries (Pvt.) Ltd
Ms. Farnaz Ahmed
10th Floor, Tibet Centre, M.A. Jinnah Road,
Karachi
Phone: 021-32776076, 021-32735431
021-32720459
Email: farnaz@tmipackaging.com
URL: www.tmipackaging.com
- 22) M/s. Toyo Packaging (Pvt.) Ltd
Mr. Shariq Maqbool Elahi & Mr. Habib Elahi
F-2 A/E, S.I.T.E, Karachi
Phone: 021-32576341-2
Email: shariq.maqbool@toyopackaging.com,
habib.elahi@toyopackaging.com
URL: www.toyopackaging.com
- 23) M/s. The Engraverz
Mr. Faizan Parvez Shahzada &
Mr. Inam-ur-Rehman
F-4/A, Behind Honda Atlas S.I.T.E, Karachi
Phone: 021-32584594-021-32593288
Email: info@theengraverz.com,
theengraverz@gmail.com
URL: www.theengraverz.com
- 24) M/s. Trade Polymerz (Pvt.) Ltd
Mr. Khurram Kamran
703, Tahir Plaza, Block-7/8, KCHSU,
Near Duty Free Shop, Main Sharah-e-Faisal,
Karachi
Phone: 021-34312885-6
Email: ceo@tradepolymerz.com
URL: www.tradepolymerz.com
- 25) M/s. Universal Packaging Company (Pvt.) Ltd.
Mr. Naveed Godil & Mr. Faysal Godil
Plot No. D-54, S.I.T.E Estate Avenue, Karachi
Phone: 021-32594409-12
Email: naveedgodil@gmail.com,
faysalgodil@upco.pk
URL: www.upco.pk
- 26) M/S. Sheeba Polybag Printers
Mr. Ausaf Laeeq
Office # 10, Gupta Mansion, 1st Floor
Plaza Square, M. A. Jinnah Road, Karachi.
Phone: 021-32726749, 32723235, 32763242
Email: ausafiaeeq@gmail.com
- 27) M/s. Pegasus (Pvt.) Ltd
Mr. Aamer Khanzada
2nd Floor, Business Centre,
Mumtaz Hassan Road, Karachi
Phone: 021-111-734-266
Email: info@pegasus.com.pk
URL: www.pegasus.com.pk



Members Directory (North Zone)

- 27) M/s. Al-Aziz Rotoflex (Pvt.) Ltd.
Mr. Hafiz Asif Ikram
10-KM, Sheikhpura Road, Main Lathian Wala Stop, Al-Aziz Road, Faisalabad
Phone: 041-32423733, 041-32423833, 041-32423933, 041-32423633
Email: alaziz@alazizgroup.com, asif@alazizgroup.com
URL: www.alazizgroup.com
- 28) M/s. A. H. Y. Plastic Industry (Pvt.) Ltd
Mr. Usman Malik
2.5 K.M. Kahna Kacha Road, Lahore
Phone: 042-111-111-374 -042-35271033
Email: info@ahyindustries.com
URL: www.ahyindustries.com
- 29) M/s. Bin Rasheed Group of Companies
Mr. Moazzam Rasheed
10-Abbot Road, Lahore
Phone: 042-36296901
Email: service@binrasheed.com
URL: www.binrasheed.com
- 30) M/s. Converters (Pvt.) Ltd
Mr. Muhammad Akbar Paracha & Mr. Asadullah Paracha
24 KM Off Raiwind Road, Near Hi-Tech Feeds Mills, Lahore
Phone: 042 532549-50
Email: makbar@converters.com.pk, asad@converters.com.pk
URL: www.converters.com.pk
- 31) M/s. Carvan Plastics Industry (Pvt.) Ltd
Mr. Faisal Malik
Factory: Begum Kot Sharak Pur Road, Near PSO Petrol Pump & Sui Gas Office, Lahore
Phone: 042-37902728-042-32829-2930
Email: faisal@carvanplastics.com
URL: www.carvanplastics.com
- 32) M/s. Dynamic Packaging (Pvt.) Ltd
Mr. Muhammad Ashraf Choudhry
Shami Street, Raj Industrial Park, 22KM, Off. Ferozpur Road, Lahore
Phone: 042-35274795-98
Email: info@dynamicpkgs.com.pk, ashraf@dynamicpkgs.com.pk
URL: www.dynamicpkgs.com.pk
- 33) M/s. Ellahi Packages
Mr. Haji Shaikh Mehboob Ellahi
Opposite: Nayyer Carpet, GT Road, Gujrat
Phone: 053-3532001, 3534001, 2108440
Email: mehboob78650@yahoo.com
- 34) M/s. Fine Art Press (Pvt.) Ltd.
Mr. Humayun Tariq
P-1031, G.T.S. Chowk, Railway Road, Faisalabad
Phone: 041-32629668
Email: fineartpresspvttd@gmail.com
- 35) M/s. Five Star Packages
Mr. Hafiz Muhammad Atif,
Mr. Hafiz Muhammad Hamid
Gole Chiniot Bazar, Faisalabad
Phone: 041-2629688-69
Email: pentapack@hotmail.com, fivestartpackages@hotmail.com
- 36) M/s. Gulf Packaging (Pvt.) Ltd.
Mr. Ejzat Khan
10.5km, Rawind Road, Near Coca Cola Factory, Lahore
Phone: 042-35320422-3
Email: ezat@gulfpackaging.net
URL: www.gulfpackaging.net
- 37) M/s. Iteffaq Poly Packages
Mr. Naeem Sarwar
Kashmir Pul Main Eden Garden Road, Opp. Madarissa Jamia Tul Saleheen, Faisalabad
Phone: 041-38520588-041-38520789
Email: ipfzia@yahoo.com
- 38) M/s. Masood Plastic Industry
Mr. Tahir Masood
896-Ayub Street, Off: Usman Street, Chohan Road Stop, Band Road, Lahore
Phone: 042-37158582
Email: masoodplastic@hotmail.com
- 39) M/s. Naeem Packages
Mr. Naeem Ahmed Khan
Room-4, Floor-No. 1, Jaili Center, 231-Circular Road, Bhati Gate, Lahore
Phone: 042-37311809
Email: info@naeempackages.com, naeem@naeempackages.com
URL: www.naeempackages.com
- 40) M/s. Panaflex (Pvt.) Ltd.
Mr. Muhammad Iqbal
Talwandi Rahwali, G.T. Road, Gujranwala-52280
Phone: 055-3881611-14
Email: ceo@panaflex.com.pk
URL: www.panaflex.com.pk
- 41) M/s. Pak Packages
Mr. Shafiq-ur-Rehman
159/A-M, Quaid-e-Azam Industrial Estate, Kotlakhpat, Lahore
Phone: 042-3511 4101-03
Email: pakpackages@hotmail.com
URL: www.pakpackages.com
- 42) M/s. Pak Printers
Mr. Nouman Mehmood
Al-Masoom Town, St-1, Back Side, Golden Dyeing, Faisalabad
Phone: 041-8540500
Email: nauman@pakprinters.com
URL: www.pakprinters.com
- 43) M/s. Pakistan International Printers (Pvt.) Ltd.
Mr. Saad Haleem
5.3KM, Raiwind Road, Holiday Industrial Estate, Feteah Abad Road, Lahore
Phone: 042-35324061-4
Email: saad.haleem@hotmail.com
- 44) M/s. Roshan Packages Limited
Mr. Saadat Ejaz
Head Office 325-GIII, M.A. Johar Town, Lahore
Phone: 042-35290734-37
Email: saadat.ejaz@roshanpackages.com.pk
URL: www.roshanpackages.com.pk
- 45) M/s. Rainbow Printing Solution (Pvt.) Ltd
Mr. Naeem Ahmed Shaikh
Bahawalpur Road near Rescue-1122, Multan
Phone: 061-36243454- 041-34233939
Email: minute.observer3044@gmail.com, rainbowpackages@live.com
- 46) M/s. Sprintech Packaging (Pvt.) Ltd
Mr. Mujahid Ali Shaikh
Sprintech House, Farooq Industrial Estate, Galxo Town, Anam Road, 20-Km Off. Ferozpur Road Lahore
Phone: 042-35272075-79
Email: ali.sprintech@gmail.com
URL: www.sprintech.com.pk
- 47) M/s. Speed Packages
Mr. Adil Khan, Mr. Shahid Saleem
Sunny Biscuit Factory, Sunny Road, Daroghawala, Lahore
Phone: 042-36541930-31
Email: adil@speedpackages.com, shahid@speedpackages.com
URL: www.speedpackages.com
- 48) M/s. Shaheen Printers
Mr. Mansha Umar
P-1, Street No-1, Odeon Street, Samundri Road, Faisalabad
Email: mansha_22@live.com
- 49) M/s. KN Printers
Mr. Khawaja Nasir
Faisalabad
Mobile: 0321-9666309



hti
Hi-Tech Inks

Giving your printing a life

Trusted & Dependable Partners of
Gravure and Flexography Printing Industry



Rapidly Evolving in Liquid Ink Technology
with state of the art Laboratory

Joint venture with international Hi-Tech Inks

Plot # 11-C, Khayaban-e-Ittehad, Lane-1, Phase VI, D.H.A, Karachi
Tel: (+92-21) 35347571-79 Fax: (+92-21) 35347579
Cell: +92 300 - 82 77 669 Email: sales@kashiftrading.com.pk
Web: www.kashiftrading.com.pk



Kashif Trading
"Flexible Packaging Solutions"