

WePack

WIPAK Packaging Magazine

Edition 2/2015



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FOOD PACKAGING



France

L'Abbaye, cookies

The cookie brand “Le Carré Normand” is a synonym for tradition, home-made cooking and quality ingredients. Its re-launch was subject to one major requirement: The new package was supposed to highlight the quality ambitions. Wipak therefore developed a special composite with an increased share of paper (approx. 60%) and a maximum film thickness of 50 µm. The resulting benefit: The throughput of the packaging process remained unchanged. Our client was extremely happy about the excellent print quality that was achieved using six colour rotogravure.



► Contact: bernard.petit@wipak.com



Kuwait

International Mill, MultiNuts

International Mill is one of the oldest supplier of dry fruits, nuts, cashew, and sunflower seeds and have always had a vision to be outstanding in the market with their products. Along with MULTIVAC Middle East and the innovations of Wipak, International Mill were able to achieve their vision with semi-rigid, reclosable packages using thermoforming bottom web with reclosing function in the tray and 15 new print images all supplied as peelable lidding films. The real challenge with this pack was to adapt and optimize the shade of colour of the formed tray as this has to be 100% identical to the lidding film even after the thermoforming process.

► Contact: astrid.sander@wipak.com



Serbia

Zlatiborac, cold cuts

Offering smoked ham and salami products, Zlatiborac has gained a key position as a provider of premium sausage products on the Balkan market. Consequently, the products launched now come with a high-quality appearance. Using a duplex-printed, super-gold laminated lidding film (including a window), the products manufactured by the traditional Serbian company are easily differentiated from competitive products. Wipak's technical expertise has been most helpful during design and development of this new package.



► Contact: alexander.kannemann@wipak.com



Mexico

Peñaranda, sausage and cold cuts

The medium-size, family owned Mexican company Peñaranda decided to relaunch its range of sausage & cold cut products using a new design in order to establish a position as a premium supplier on the local market and to differentiate itself from the competition. In addition to the new design, Peñaranda also invested in new packaging machines and in a HPP (High Pressure Pasteurization) system. For their new products Wipak supplies special composite films which are suitable for high pressure pasteurization.

► **Contact:** astrid.sander@wipak.com



United Kingdom

Arla Foods, Cheese

Arla Foods in the UK has recently launched a 200g flow pack version of their Anchor cheddar brand in the UK. Wipak UK were chosen as the supplier for this new line. This was the first product in the Anchor range to be printed using the flexographic process. Up until now, all the products in the Anchor block cheese range had been printed using the gravure process. By utilising Wipak UK's innovative flexo system – incorporating two side print and ITR sleeve technology – we were able to achieve a result which met the customers' expectations.

► **Contact:**
richard.hayden@wipak.com



United Kingdom

Morrisons Butchers Style, Premium Sausage Range

Morrisons, one of the UK's leading retailers, has been working closely with Wipak UK on a new material specification for their range of premium sausages. The 'Butchers Style' range was previously packed in a triplex laminate combining paper. The challenge was to retain both the paper look and feel of the existing pack whilst down-gauging to a duplex structure, without paper. Using a special tactile lacquer system and input from Wipak UK's pre-press department, we developed an alternative specification that has a comparable look and feel to the paper laminate and at the same time, replacing the triple laminate with a duplex Biaxer structure. The new packs were launched this summer, just in time for the BBQ season!

► **Contact:** richard.hayden@wipak.com





Wipak offers a broad range of sustainable solutions

From high-temperature films to haptic varnish

Using the motto "You&Us – Partner in Packaging" for the FachPack exhibition, Wipak emphasizes the team spirit and the important role of customers for innovative product development. Heat-resistant films such as WALOX, stand-up pouches as a replacement for aluminum packages, paper/film composites including renewable resources, ultra-thin lidding films or reclosing solutions for PP trays are just some examples.



WALOX – High-temperature-resistant multilayer films

For high temperature applications, Wipak has developed a compound which offers ideal product protection. New: WALOX is a transparent alternative to laminates or multilayer films based on polyester, coated with aluminum oxide (AlOx) or silicon oxide (SiOx). This new film can be used for hot fill, it is sterilizable up to a temperature of

130° Celsius, and it is suitable for microwaves. WALOX is the solution for demanding market segments such as baby food, pet food and ready meals.

► **Contact:**
peter.cuyppers@wipak.com

Standard laminates consist of three or four layers (incl. aluminum layer), with an inside barrier coating that needs to be protected. WALOX however offers ideal product protection even when using two-layer laminate structures, with an oxygen barrier of $<1 \text{ cm}^2/\text{m}^2 \cdot \text{d} \cdot \text{bar}$.

*Alternative structures possible, e.g. using paper composites

WALOX structure or laminate*

Unique Wipak
barrier layer

Printing ink

Sealing layer

Food products

Standard structure or laminate

Base layer with
barrier coating
AlOx or SiOx

Printing ink

Intermediate layer
e.g. BOPA

Sealing layer

Food products

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FachPack:
Hall 7
Stand 7-132

QuadroSeal bags: four seals = high stability

For paper composites, Wipak has developed a special sealing layer offering extremely short sealing times, migration resistance, and high stability. This quadro seal concept provides the stability required for flowpacks. Quadro-Seal thus is an adequate replacement for cardboard boxes. The integrated sealing layer has been

specially developed for high-performance machines. It is clearly faster than conventional sealing layers and allows for improved processing of paper/film composite solutions. In addition it offers excellent hot tack properties; it is fully resilient directly after completion of the sealing process.



Downgaged lidding films – reduction of material, top performance

Processors are able to effectively save resources thanks to the use of thinner lidding films. Oxygen barrier, printability, antifog or sealing properties – the performance of these new multilayer

solutions match with clearly thicker film types. In addition, they offer a wrinkle-free, glossy look, they can be refined using premium designs, and they can accommodate individual windows.



United Kingdom

AJ & RG Barber's, Pre Made Bags for Cheddar Cheese

AJ & RG Barber's, the oldest producer of cheddar cheese in the world, and Wipak UK, enjoy a long and successful partnership over the years with Wipak supplying a range of packaging solutions. More recently, Barber's has relaunched their Vintage Reserve

Cheddar block cheese in a three side seal pre-made bag, supplied by Wipak Bordi. By combining the print and service expertise of the team at Wipak UK with Wipak Bordi's expertise in bag making, this has resulted in an excellent pack that will be exported around

the world and further strengthens this strong partnership with further innovation for the future. "AJ & RG Barbers is very pleased with the results of this bag which is an integral part of our product offering and helps to differentiate us in our market place", Simon O'Brien, Sales and Marketing.



► Contact: lloyd.dicks@wipak.com

Repak Top PP

Reclosing for PP trays



Benefits

- ▶ Cost saving: Up to 20% saving in tray costs
- ▶ Easy first opening
- ▶ Excellent reclosing function
- ▶ Product waste reduction
- ▶ High moisture barrier

Wipak has extended the Repak product range. In order to complement established solutions for lidding and bottom films with PE sealing layer, Wipak now also offers product versions for reclosing mono-material trays. After the successful launch of a product version for mono PET trays, a solution for mono PP trays is now available, too. The newly



developed Repak Top PP is a unique solution in this market. This film stands out for optimum machinability and excellent reclosing. The efficient and sustainable Repak Top PP is suitable for packaging of fresh meat, ready meals, snacks and confectionary.

▶ **Contact:**
tchavdar.tchernev-rowland@wipak.com



Superclear

Stable skin for tough cases

Packaging bacon is a special challenge for films. The ultra-transparent Superclear scores with high rigidity, stability and excellent back shrink properties. After completion of the packaging process, the flexible

film tightly covers the bacon like a second skin – a clear benefit of the product presentation. The quality features are obvious. Additional benefit: The stiff edges cannot

damage the robust composite material.



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Invisible Coding – the Wipak Group continues to rely on innovative technologies while expanding its expertise in the field of interactive packaging. Initial projects show promising results, demonstrating the almost unlimited opportunities.

Invisible bar codes



Fast lane at the cash point

Invisible coding currently electrifies the market. In the US, invisible bar codes are on the rise. Major retailers such as Walmart are already testing this technology. In Europe, Wipak is among the pioneers; the Wipak Group sets the course for Shopping 2.0 and develops solutions for additional applications.

Adding value to package design

“Digital package tuning is the future”, says Adolf Ahrens, Head of Pack Design, Wipak Walsrode. Manufacturers of brand products e.g. can provide added value by means of intelligent functions incorporated in the package in order to rise above the competition. With bar codes no longer being required, there are new opportunities for package design. And last but not least, shopping

becomes easier, faster, and more convenient – as no more scanners have to be pointed at the bar code.

In this context, the trend for “Self Scanning” could also gain momentum, Ahrens explains. “This will of course not be a matter of days, but digitization is on the rise in the bricks and mortar business. Wipak has been investigating this topic for some time.” This is demonstrated e.g. by Wipak’s “Interactive Packaging” concepts for Interpack 2014, or by the “self-talking” package. For this, Wipak relies on “Invisible Barcode” technology provided by Digimarc. Headquartered in Oregon (USA), this company generates the required codes before Wipak integrates them in the package using gravure printing or flexo printing. Wipak also prepares the repro proofs.

Wipak is among the global leading specialists for the processing and printing of packaging films. Invisible bar codes expand Wipak’s range of digital services. In addition to premium quality print designs, state-of-the-art printing technology and print design consulting, the Wipak Group has also gained valuable expertise in the field of interactive packaging over the past years. Using invisible watermark printing, augmented reality, and “self-talking” packages, Wipak is one of the pioneers in this field.

► **Contact:**
Adolf Ahrens
Pack Design Wipak Walsrode
+49 5161 4880 201
adolf.ahrens@wipak.com



Tactile varnish to increase the value of

Using tactile varnish, the Wipak Group has extended its printing competence and its options of adding an unmistakable touch to the films.

Film processing is a Wipak Group specialty. Glossy and matt spot paint, metalized and de-metalized films, special effects using super silver or reverse silver, premium quality silver and matt paint look, or printing on paper – the Wipak

Group implements packages with an unmistakable look and feel.

“The tactile varnish is an attractive option for applications where paper composites cannot be implemented for economic and for technical reasons”, says Wipak Walsrode’s Adolf Ahrens. This unique look & feel causes consumer to engage in the product for a longer period. Bast baskets, wood grains, stones, or

cave walls – in combination with creative print designs, unusual packages can be created which really catch consumer attention at the POS.

► **Contact:**

Adolf Ahrens
+49 5161 4880 201
adolf.ahrens@wipak.com



Caroli, Romania

For the Romanian sausage producer Caroli, Wipak supplies lidding films which have been processed using a tactile varnish for hot dog sausage packages. The effect: the surface is rough and tarnished, feeling like paper.

Arla Foods, Sweden: “New Design looks more hand crafted”

“The aim of the new design is to convey a feel of tradition and handcraft. A very important aspect is to communicate Swedish tradition and locally produced products. The design (with cloth pattern) in combination with the lacquer gives the film a very soft touch, the two sense vision and feel play very well together. The final result is very much to our liking and the effect of the designs and the lacquer gives a much higher effect than we anticipated which is very good. The support from Wipak has been excellent. The fact that Wipak comes back with comments on the design how to optimize it according to Wipak’s

knowledge is much appreciated by Arla.”

Jenny Klingberg, Arla Foods



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Norrmejerier, Sweden

For Norrmejerier, a traditional Swedish milk and dairy product manufacturer, Wipak has refined the Västernbottensost® Original cheese package with a tactile varnish. Thanks to the matt gold effects and the rough, slightly structured surface, this varnish adds a premium, unmistakable touch. The new package has been launched in September.

packages

United Kingdom

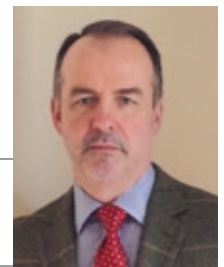
Lions Speciality

Lions Speciality is a salmon processor, based in Scotland, and is part of the Browns Food Group. Lions Speciality manufactures premium quality cold smoked and hot smoked salmon and has recently launched a long sliced cold smoked salmon pack into Aldi UK. Wipak UK were chosen to provide assistance on pack design

and to propose a material specification (Biaxer 65 XX) to ensure a successful launch. The design was reverse printed with a surface applied pattern matt lacquer. A tactile lacquer was used which provides haptic qualities when the consumer interacts with the packaging.



► **Contact:**
sean.burke@wipak.com



Innovation: Crystaltube films offer unrivalled transparency and stability

Tubes made of glass?

Highly transparent Crystaltube films can be used for tube production. For the Swiss tube manufacturer Aisapack, Wipak has developed high-tech coextruded films. Using the Decoseam™ welding technology, it is now possible to produce glass-like tubes.

Compared to materials normally used for tube production, Crystaltube films stand out for their look and feel. "Crystaltube offers a unique transparency so far unrivalled in the tube segment", says Ulrich Grafmüller, Project Manager at Wipak Walsrode. This opens up new marketing opportunities for premium quality cosmetic and body care products.

Polyamide/polypropylene-based film structure

Thanks to the use of special raw materials, an up to ten layer film structure and innovative production technology, Crystaltube stands out from the products previously used in this segment. The extremely robust tube feels good in the

Features

- Excellent transparency
- Soft haptic
- Robust and resistant
- Lower DSG fees
- No folds
- Processed using standard Aisa lines

consumer hand, offering a pleasant haptic. An additional benefit: Even after multiple uses, tubes based on Crystaltube do not show any ugly folds; staying smooth and retaining their original shape even after having been emptied.



What's behind Decoseam™?

Decoseam™ is a seam welding technology by Aisapack where the sealing area is re-enforced using a transparent plastic strip. For larger tubes, a multi-layer composite is used for the seam-welding area; for smaller tubes, the plastic strip is directly extruded during the tube production. In contrast to conventional tube production using overlapping seams, just one sealing is required on the inside of the laminate.

► **Contact:** ulrich.grafmueller@wipak.com



Wipak Czech Republic

Mountain bike race for Wipak customers

It was already the 8th year that our WIPAK MTB race took place at the end of May. Wipak uses this sporty event to thank their customers in the Czech Republic and Slovakia for the good cooperation. The approx. 30 km track with 550 metres height difference passed the technician sections for professionals and leads on a nice path through meadows and forests in the Vysocina Arena. This Arena, located close to Nove

Mesto na Morave, is also known as host to the Biathlon World Cup. This year, more than 50 participants from our customers started and all of them reached the finish without any accidents and in good mood. In the evening, we honored not only the winners and everyone enjoyed a delicious barbecue.

► **Contact:** jan.simon@wipak.com



Wipak Poland

BRC Global Standard for Packaging & Packaging Materials

The quality management system of the Wipak plant in Skarbimierz has been adjusted to the requirements of the BRC Global Standard for Packaging & Packaging Materials. At the end of February, the company went through a certification audit provided by LOYD'S Register LRQA certification body, which revealed only four minor non-conformities and finally

resulted with strong A score. That was the needed 'dot' above the letter 'I', because Wipak Polska since August 2013 can be proud of a brand new facility in Skarbimierz. Printing, lamination, slitting and bags production are run in a clean, well-managed and very modern environment. The whole production is carried out with WARP system support and the company

makes attempts to implement a LEAN system across the unit. The BRC certificate confirms the so far earned customer confidence in Wipak Polska as a valuable and trustful business partner.

► **Contact:** bartlomiej.plachno@wipak.com



Wipak Poland



Bartłomiej Płachno –New Managing Director

Bartłomiej Płachno has been appointed as Managing Director of Wipak Polska Sp.z.o.o. He has previously worked in the flexible packaging industry for Polish and international companies Grupa Kety, Amcor and Printpack. Bartłomiej held various manage-

ment positions and brings along a wealth of experience in both commercial and plant management. Bartłomiej follows Mika Surakka who has left the company at end of June for new challenges outside of the Wipak Group.

Walsrode Packaging Test Center to be expanded

Located at the Wipak Walsrode site, the Packaging Test Center is one of the Wipak Group's key service offers in Europe.

Professionally guided by Wipak's application specialists, customers are able to use our new packaging machines to produce package samples – e.g. product presentations or even small series.

"Over the past years, the Packaging Test Center has gained more and more importance during our customer trainings", Michael Martin, Head of the Wipak Group Solution Center explains. "The modernization and expansion now helps us to meet our goals as a service provider for the Wipak Group (Solution Center and Application Technology)"

Kai Nieber, Head of Application Technology at the Walsrode site adds: "This expansion is

also important for the quality of training provided for our own development and application engineers. We are thus able to simulate machine problems and to work out appropriate solutions. We also get additional options for checking the functionality of our new film qualities before they are launched – without having to impact our customers' production processes".

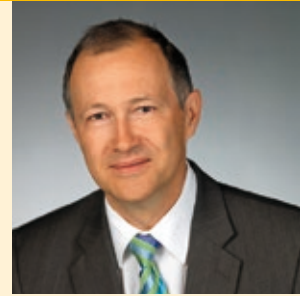
"The upgrade not only includes the modernization and expansion of this area. Three new packaging machines will be added to the existing equipment: a try sealer and two flowpack machines will be installed before the end of the year."

"Additional options for checking the functionality of new film qualities": Michael Martin and Kai Nieber (right) in the new Packaging Test Center.



Wipak Group

Stefan Gutheil – New Vice President of Wipak Group



Stefan Gutheil (53) has been appointed Vice President, General Manager Wipak Group effective 1st September 2015, based in Wipak Walsrode, Germany. Stefan Gutheil has long experience from packaging industry. He has been working in both Kappa and Mondi Group. Stefan Gutheil joins Wipak Group from position of President Food and Consumer Europe Coveris Group. After more than 30 years career in Wipak Group, Matti Rovamaa retired in the end of August 2015.

Impressum

Editor-in-chief:
Astrid Reinke, Wipak
astrid.reinke@wipak.com

Concept & Text:
Ulrich Kommunikation,
Holger Ulrich

Layout:
Buchholz Grafik-Design

Images:
Thomas Weidner; Wipak

Titles:
@jackfrog, fotolia.com;
@jezper, 123rf.com

Printed by:
Druckpartner Coels

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HEALTH

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Düsseldorf | Germany
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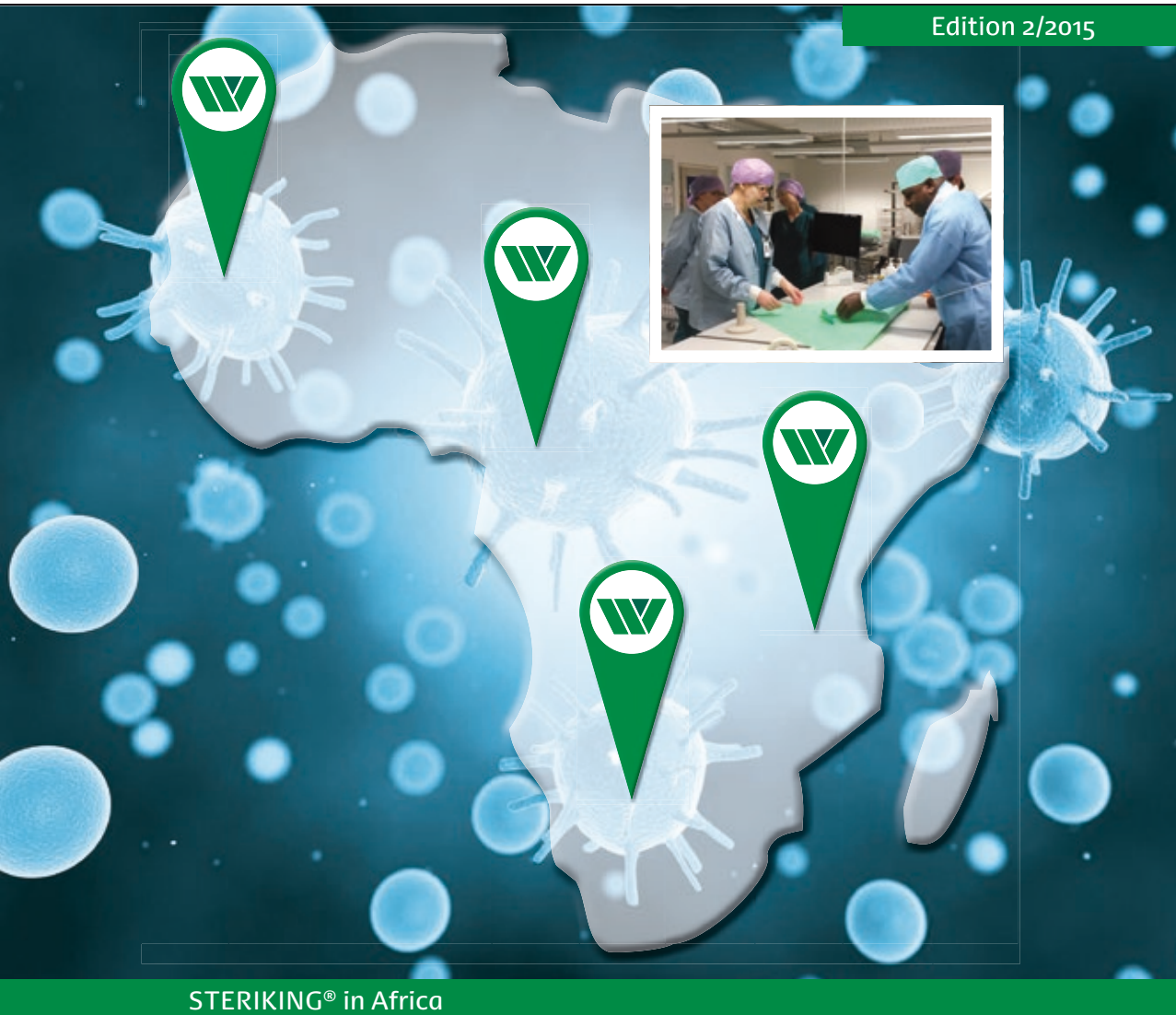
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2015 **schedule**

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STERIKING® in Africa

New growing market – Improving patient safety



Service
Sealing process
validation

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Modern multilayer
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HEALTH PACKAGING

Steriking®

Steril Medical conquers Singapore

By Outi Lindholm-Ollikainen, Business manager HCF

Steril Medical and Wipak have been working together close to 20 years building STERIKING® into the market leader and preferred sterilization packaging in Singapore.



Dr. Yap, Jennifer Chew, Outi Lindholm-Ollikainen, Piia Helminen

Dr. Yap, the owner of Steril Medical, set up his own small distribution business under Sterile Medical Supplies in Singapore in 1989 and has turned it into a successful 200 people manufacturing company operating in three countries. In 1998 Dr. Yap took a big decision to leave the distribution business and to go into manufacturing of medical disposables. Another big decision was to move the manufacturing from Singapore to China and then last year to move it again from China to Indonesia.

4A rule of Dr. Yap

Although Dr. Yap decided to get rid of his distribution business, he wanted to keep STERIKING® because he is also using it to pack some of his own products and he

simply likes the product. According to Dr. Yap every successful product has to fulfil the 4A rule: it needs to be appropriate, attractive, available and affordable.

New three year contract for SterilMedical/Wipak for Singapore hospitals

Thanks to his sales representative Jennifer Chew and her tired less efforts Steril Medical managed to secure the three year government tender for Singaporean hospitals, which guarantees that Singapore remains as STERIKING® State for at least the next three years. The choice was made mainly because of our quality and the excellent customer service attention from Jennifer.

Future

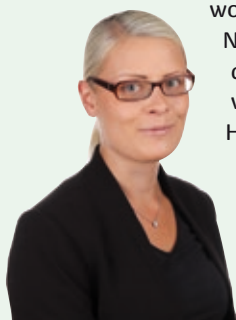
Wipak has recently employed Piia Helminen as the area sales manager for Wipak's Asia Pacific HCF business. Piia and Jennifer will start organizing hospital workshops to inform clients about our new products and services. Jennifer thinks that Wipak's product training seminars have been the key of her success as a saleswoman. She has got in depth knowledge of our product features and benefits and has managed to turn this into powerful message for Singaporean hospitals.

Wipak congratulates Jennifer for her excellent job and commitment and thank warmly Dr. Yap and his entire team for excellent and beneficial co-operation throughout the years.

Personal data

Piia Helminen strengthening Health Sales in Asia

Piia Helminen has joined the sales team of the Wipak Health division in August. She has already years of experience at Wipak, after working in several of our units, Nastola, Welshpool, Walsrode, and now in Singapore. Piia will work as an area manager for Health Care Facilities, taking care of our customers in Australia, New Zealand and South-East Asia.



Wipak sterile barrier systems

MP TF Peel – designed for uncoated Tyvek®

The semi-rigid film Wipak® MP TF Peel permanently and reliably protects top-quality medical devices. This type of film stands out for its new sealing layer for direct sealing. This allows the change from a coated Tyvek® to a non-coated version which results in considerable material savings. In addition, the use of a package based on MP TF Peel – uncoated Tyvek® due to improved breathability – also reduces the detach-

ment risk of coating particles or even toxic EO residuals.



Winnovating Total Cost Efficiency

By Jouni Vikman, Director Wipak Health

Our main target is to help customers and partners to sell more and improve their internal total cost efficiency. This all, of course, while maintaining the highest patient safety and end-user experience when handling our sterile barrier systems and materials. Price of the product and service is important, but even more important is the total cost impact. We have defined on our strategy that the product range shall consist of competitively priced basic products, added with selected innovative products and services bringing highest added value. All offering the most economical total cost in the market place.

Being able to develop market's most economical total cost products, one needs to know the conditions and requirements of health care facilities and medical device manufacturers (MDM's) and how the products are handled and distributed. It's important to get to know daily challenges health care professionals and MDM's face when using the products. We have decided to visit hospitals and other health care facilities as well as productions of MDM's as often as possible to learn these daily challenges. To discuss about these challenges and brainstorm solutions together with MDM's and health care professionals we have set up Winnovations Process few years ago. Cracy Ideas Factory brainstorming sessions during Winnovation Days have been appreciated by the participants.

A new forming film co-extrusion technology will be starting at Wipak summer 2016. This is a major step on enhancing our basic forming film offering for the lowest total cost. It will offer possibilities for down-gauging film thicknesses saving environment and money.

MP TF PEEL, first rigid forming film in the world, which is sealing and peeling cleanly with uncoated Tyvek®, allows MDM's shorten sterilization processes considerably bringing operational total cost savings. Additionally risk for loose coating particles is removed using uncoated Tyvek®, and hey, no coating to turn yellow after a year, as most of the coatings tend to do today.

Validation service for sealing equipment is another example of our offering for the improvement in total cost in health care facilities. When the sealers are in good condition at all times, the waste and lost working time is lower. All that while being sure about the rigidity of sterile barrier system and thus improving patient safety.

Next time we meet, let's talk how we can improve your total cost.

PS. We believe that the next big steps in better infection control are taken in Africa. Read elsewhere from this publication about our strategical steps on that continent.



Jouni Vikman,
Director
Health



Finland

Sartorius, pipette tips

Sartorius is one of the world's leading providers of laboratory and pharmaceutical equipment. Multipet peel-Multipet Topform is the combination they chose for their FlexiBulk pipette tips, used in their own dosing device. The new type of packaging brings plenty of benefits for the customer:

► SAVE SPACE

Wipak's solution saves space by enabling them to pack pipettes 40% smaller than conventional bulk tip cartons, where tips are packed in random order. Smaller size is especially valuable when using air freight and when used in rather limited sizes of labs.

► SAVE TIME

New Wipak packaging also makes tip picking faster and more efficient.

► REDUCE WASTE

Packaging reduces the amount of waste by 50% compared to minigrip + carton.

► MINIMIZE THE RISK FOR CONTAMINATION

Wipak's MP TPF lid provides an airtight seal during transport and storage for secured purity. The lid is easy to close between uses to protect the tips from dust.

► **Contact:** jyri.makinen@wipak.com



Sealing Process Validation Service

The sterile barrier system (SBS) is a minimum package that prevents ingress of microorganisms and allows aseptic presentation at the point of use. Only intact

packaging can serve as a sterile barrier, and the loss of package integrity can compromise patient safety. ISO 11607-2 standard for sterilization packaging states that there needs to be a documented validation program in all health care facilities where medical devices are packed and sterilized. Aim of the validation programs is to demonstrate the efficacy and reproducibility of all sterilization and packaging processes.

sealed package performs as a safe sterile barrier system. To support healthcare facilities in their validation programs Wipak is now offering a new service to assist in the sealing process validation.

Wipak Sealing Process Validation Service package for one sealing machine comprises of:

- ▶ Templates for documenting Installation (IQ), Operational (OQ) and Performance Qualifications (PQ)
- ▶ Testing of seals of sterilized pouches/packs
- ▶ Pinhole testing for sterilized pouches
- ▶ Peel testing/evaluation
- ▶ One Multi Seal test (MS300) for routine control
- ▶ Validation report with conclusions and recommendations

Manufacturer of preformed sterile barrier system (pouch, reel, bag etc.), like Wipak, has validated the sealing process of the factory made seals. Health care facility; hospital, clinic, dental center, that makes the final closure seal of the pack is responsible for the validation of the final closure. Health care facilities have so far widely compromised in testing their sealing and packaging performance.

The validation of sealing process according to ISO 11607-2 includes Installation Qualification (IQ), Operational Qualification (OQ) and Performance Qualification (PQ). In the validation process it is verified that the sealer makes a proper closing and that the finally

Ukraine

Hemoplast, syringes

Hemoplast is the leading manufacturer of sterile medical products in Ukraine and CIS. Single-use syringes and sets for transfusion of blood and solutions are their main products. For packing of syringes, Hemoplast has chosen Wipak's ML P as the bottom web. "With Wipak's materials the quality level of our packaging has significantly improved," says Mr. Bogdan, Director Hemoplast. Hemoplast is the possessor of the numerous awards of national significance, and single use syringes and sets for transfusion of blood and solutions were recognized as prize-winner of the quality competition "The Best 100 Goods of Ukraine".

▶ **Contact:** antanas.chitkauskas@wipak.com

VIDEO

For more, take a moment to watch the 7-minute video introduction from Youtube/wipakmedical

Improving patient safety

Hospital seminars and sales training in Nigeria

By Jyri Mäkinen, Area manager, Health Care Facilities

For Wipak Health and STERIKING®, Africa is a big possibility and offers new growing markets.

One of the most interesting countries we visited this year is Nigeria. Nigeria has got the continent's biggest population of about 180 million people. There were about 25 distributor candidates for us to start discussions with. One of them is First Foundation.

Their clear target is to launch our products to all parts of Nigeria, both in public and private side. In June Wipak kept the first hospital seminars and sales training for their staff in Nigeria. Seminars were really needed. Even if the

Nigerian market for sterile disposable products grows by 8% a year, it does not necessarily grow for sterile packaging products if not presented to the final users.

Materials that they use for sterilization today are far from safe and those can often be more expensive in use. Packing and sterilization practices were comparable to those in Europe about 50 years ago. Also infection rates show that Nigeria comes behind. More than 380,000 secondary hospital infections caused by unsterilized



hospital items were reported last year officially in Nigeria. Majority of the hospital infections happen due to the poor hygiene practices and lack of knowledge. At Wipak we support Nigerian and other African people to learn the better practices and provide them very reliable materials to ease their work improve their patient safety. STERIKING® moves to all these African countries because we care that people pack safely.

New multilayer film technology boosting your medical packaging to the next level

Wipak has made a major investment in the most modern multilayer film technology. The new manufacturing line will be located in Nastola, Finland – Wipak's center of excellence for medical packaging.

Construction work is proceeding in schedule and the new line is ready for use after summer 2016. It will allow production of new high performance packaging materials offering a strong combination of visual, protective and environmental benefits to our customers. New capacity ensures film supply for growing demand and requirements of medical packaging applications worldwide.

With a total value of approximately €20 million, this investment

in a new manufacturing capacity is a step in Wipak's continuous development program targeting to improve our performance and service level. The cutting-edge technology used will increase both our and our customers' production efficiency. The new technology will facilitate a more environmentally friendly process, enabling Wipak to produce functional and safe packaging materials while significantly improving the material yield. Faster processing on the packaging machines and film downgaging can offer our customers savings in their production process.

New line will be in an isolated production environment with a visual camera control taken into use for consistent product quality.

Benefits

- ▶ Increased mechanical strength and forming properties with thinner material
- ▶ Less curling and post shrinkage for your production efficiency
- ▶ Transparent films for better view of the device

These are some of the benefits that new film extrusion technology offers for medical packaging industry. We want to provide our customers increasingly attractive and more sustainable as well as user-friendly packaging solutions – high quality sterile barrier materials allowing efficient packaging process for our customers.