

RAIZ



Forest and Paper Research Institute

TECHNOLOGICAL
SCOUTING NEWSLETTER

April 2021

Highlights

- The packaging segment was highlighted during April 2021, with new solutions for food packaging, e-commerce and toilet care products.



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Services Provided by RAIZ Technological Scouting:

Technological Scouting Newsletter (monthly)

Technological Scouting On Demand (specific technological issues, upon request)

Industrial Property (IP) Survey (quarterly)

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START-UP OF THE MONTH



California-based EcoTensil has developed the patented AquaDot range of plastic-free, extra sturdy, folding paperboard cutlery. EcoTensil products are already well accepted in North America and the company has introduced its products to some Europe's largest food manufacturers and retailers.

The paperboard used to make EcoTensil AquaDot is similar to the material used to make coffee cups, but without any plastic. With one simple “bend to touch dots™” fold, the compact EcoTensil becomes a sturdy scoop. The new AquaDot line offers a pleasing sensory experience that complements the food, being significantly smoother than dry wooden cutlery.

Read more ➤ [EcoTensil](#) | [Paper advance](#) | [Video](#)



PACKAGING



Kotkamills

Kotkamills & Siegwerk: innovative solutions for fibre-based packaging within a circular economy

Along with Siegwerk, a global manufacturer of printing inks, Kotkamills has started a strategic partnership for evaluating the potential of water-based dispersion barrier coated paperboard to replace traditional polyethylene coated board. The companies will test UniNATURE, Siegwerk's recently launched water-based ink system, from renewable and natural components, for use in paperboard as an ink and coating solution. The solution being developed is intended to help converters and brand owners to deliver more sustainable packaging alternatives within a circular economy.

Read more > [Kotkamills](#)

● Technological
● Product Development



Seaman Paper

Seaman Paper: EcoLite® - a paper for food service industry

US's Seaman Paper has developed EcoLite, a PFAS (Per- and polyfluoroalkyls) -free alternative paper for food packaging. Seaman Paper addresses that the range of products features a plant-based biopolymer coating, compostable and recyclable, for a minimal impact on the environment. The developed paper additionally has heat retention and moisture release properties, performing at the same levels as traditional grease-resistant paper, ensuring products stay at optimal temperatures while keeping the food in optimal condition.

Read more > [Seaman Paper](#)

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PACKAGING



Ahlstrom-Munksjö

Ahlstrom-Munksjö: new PurposeFil™ packaging papers for the e-commerce industry

PurposeFil™ is a new range of products for use in a wide variety of e-commerce packaging and retail packaging, in both primary and secondary packaging functions presented by Ahlstrom-Munksjö. The range of papers can be tailored to costumers' demands, imparting a wide variety of functionalities such as resistance to water, grease and oil, mold and scuff, high stretch properties, thermal insulation, transparency and colors, heat seal coatings and easy converting and printability. The new paper range also poses as an alternative to traditional film and non-renewable packaging.

Read more > [Ahlstrom-Munksjö](#) | [Ahlstrom-Munksjö](#)

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Packaging Insights

Stora Enso: first sustainable RFID tag for microwave-safe use

Stora Enso Intelligent Packaging segment presents a new element of its ECO RFID – product family with a tag collection that is specifically designed for food & beverage items. Radio Frequency Identification (RFID) technology is used in the food industry to automate processes and to provide real-time ‘track and trace’ – functionalities. The new ECO Meal labels do not need to be removed from the food package prior to microwave heating and the tags can be recycled in paper recycling.

Further innovations from this ECO range include the ECO Cap, for plastic bottle caps, the ECO Stripe, for on-metal applications, such as soda cans or packages with metallic layers, and the ECO Hanger for carton and plastic packages.

Read more > [Packaging Insights](#)

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PACKAGING



SIG

SIG: commercial launch of paper u-straw for aseptic cartons

SIG has recently developed the industry’s first market-ready alternative to plastic straws for beverage carton packs with an eco-friendly paper straw made entirely of paperboard, both as straight and as U-shaped paper straw available with 4 and 6 mm diameters. Now CAPSA Food has launched its Central Lechera Asturiana whole milk with the new SIG Paper U-straw in Spain. The wrapper for the straw has also been redesigned to remain attached to the packaging to prevent littering and can also be disposed with the carton pack.

Read more > [SIG](#)

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● Product Development



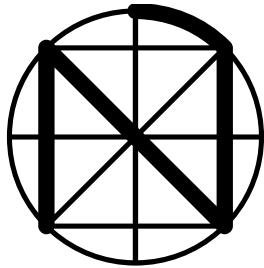
Procter & Gamble

Procter & Gamble: Old Spice in all-paper, plastic-free deodorant packaging

Procter & Gamble has announced that its Old Spice brand is introducing all-paper, plastic-free deodorant packaging in selected Walmart Stores, USA. The paper tube package is made of 90 % recycled paper and features a “push up” design that can replace some of P&G’s plastic stick deodorant cannisters. P&G expects to expand this packaging into new markets if its second phase of recyclability testing and consumers acceptance are considered to be successful.

Read more > [Procter & Gamble](#)

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