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## **Schütz at Scanpack 2024: Advanced packaging solutions for more efficient and sustainable processes**

*As well as safety and economic aspects, sustainability is a factor that is becoming increasingly important in industrial packaging. Schütz offers its customers a complete solution based on the most advanced technology, combining innovative products with comprehensive service to ensure the highest quality, superior performance and global supply security. Schütz will be presenting this holistic concept at Scanpack under the banner "Containing everything that matters".*

Environmentally-friendly industrial packaging plays a key role when it comes to making supply chains more sustainable and helping manufacturing companies reduce their carbon footprint. As resources become scarce and more expensive, the focus is shifting to recycling and reconditioning. The packaging in the Green Layer range is based on this principle. In this product line, Schütz uses 30% high-quality, natural-coloured recycled material as the middle layer of the packaging. The recycled material is recovered as part of the company's own worldwide collection programme for emptied packaging. At Scanpack, Schütz will be presenting its entire Green Layer product portfolio, including IBCs, plastic drums and jerrycans.

### **Pallet solutions optimized for automated conveyor technology**

Schütz's new, eco-friendly plastic frame pallet, which is used in IBCs, is also made from Schütz's own high-quality recycled plastic. Thanks to its geometry, this new packaging component is optimised for the internal transportation of containers on conveyor systems and is specially designed for the safe and smooth transport of IBCs in automated warehouses. The plastic frame pallet is extremely robust and stable and therefore offers the IBCs optimum protection in challenging storage and production environments.

The second pallet innovation that Schütz is presenting at Scanpack also impresses in these environments: the 3-skid steel pallet with embossed sheet metal skids. Compared to standard steel skid pallets, it has a new additional middle skid, which greatly enlarges the contact area. This IBC pallet is highly robust, demonstrates minimal sagging even when fully loaded and greatly improved handling properties on conveyor systems.

### **Laser-welded steel drums for exceptionally challenging products**

In the steel drum segment, the packaging specialist will be presenting the innovative Schütz Laser Drum, which is made of sheet steel that is hot-dip galvanized on both sides. The raw material is dipped into a molten zinc bath before the coil is wound and galvanised to obtain a high-quality, evenly distributed zinc coating on all sides. The drum body is manufactured in a special laser welding process by butt-welding the sheet metal together. After lid and base assembly, the Schütz Laser Drum is comprehensively protected against corrosion inside and outside. The new type of drum is a high-performance alternative, especially for demanding and sensitive filling products, for which conventionally galvanised or internally coated drums have been used in the past.

### **Combi steel drums with plastic liners**

The new Schütz Combi steel drum version offers even more safety and cleanliness. Here, either the new galvanized Laser Drum or a coated standard steel drum is combined with an inner liner made of HDPE plastic. To seal the space between the liner and the outer drum, an additional circular seal is inserted in the bung area to provide double leakage protection. This packaging solution is especially suitable for chemicals that are otherwise incompatible with untreated steel or the standard inner coatings of steel drums, including particularly challenging products from packaging group I that have highly permeable, aggressive and corrosive properties. Schütz combines the corrosion resistance and cleanliness of a plastic drum with the stability and permeation protection of a steel drum.

Schütz will also be presenting a new solution to efficiently secure tight-head drums during transportation: the Schütz Drumfix system quickly and easily forms four drums and a pallet into a secure and eco-friendly load unit.

### **Protecting flammable hazardous goods: the Ecobulk SX-D variant**

Schütz designed the Ecobulk SX-D as a double-walled system specifically for the transport and storage of flammable hazardous liquids. This new container type offers maximum protection thanks to a closed, fire-resistant outer hull made of steel. It has FM Global and Underwriters Laboratories (UL) approval. At Scanpack, Schütz will be presenting a new variant with integrated access to an outlet fitting, thus enabling discharge from below. Full leakage and fire protection are provided when the protective lid is closed.

### **A license to stir: the Schütz Impeller**

For absolutely safe and efficient agitation and homogenization of viscous fillers in the IBC, the packaging specialist has developed a revolutionary, self-contained concept: the Schütz Impeller, which will also be on display at the trade fair. This single-use agitator is inserted in the container at the factory. The bucket agitator has movable wings that open up automatically as the speed increases, allowing the Impeller to homogenise filling products gently and without foaming: all sediments are completely dissolved, thus minimizing filling product loss. It is made of HDPE, the same chemical-resistant material as the IBC inner bottles and is firmly integrated into the screw cap of the filling opening. With the appropriate process and container configuration, the Impeller does not need to be removed during the filling process, meaning that the ECOBULK remains permanently closed throughout the entire supply

chain until the filling product is removed – even during stirring processes. This completely eliminates quality risks and the resulting costs that inevitably occur when using standard stainless steel agitators due to contamination caused by insertion, removal and reuse. This makes the Impeller an ideal solution for stirring paints and varnishes, sealants and adhesives as well as chemicals with a higher viscosity.

### **MX 560: optimum storage, handling and transport performance**

At Scanpack, Schütz is presenting the Ecobulk MX 560, a packaging solution that combines a low tare weight compared to stainless steel containers or drums with a lower container height. With its reduced capacity of 560 litres on an optimised footprint, the MX 560 provides lower capital commitment and shorter downtimes for products with a lower turnover. This is a particular advantage in industries in which large containers are not needed because the product is highly concentrated, e.g. agriculture and agrochemicals (highly concentrated, high-value crop protection agents or seed dressings). The base assembly of the MX 560 corresponds to that of the Schütz MX models with capacities of 820, 1,000 and 1,250 litres, meaning that the container is compatible with all other models in the MX line. With the pallet size, storage and transport space in standardized large-capacity containers can be optimally utilized, even with mixed loads. This is a major advantage when shipping by sea, for example.

Further information is available from 22 – 25 October at the Scanpack trade show in Göteborg at the SCHÜTZ Stand C01:22.

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**Caption:** At Scanpack, Schütz will be presenting numerous packaging innovations and world premieres from the IBC, plastic and steel drums and plastic jerrycan sectors.

Photo: Schütz



**Caption:** In the IBC inner bottles and drum bodies of the Green Layer product line, Schütz incorporates 30% high-quality, natural-coloured recycled material, which the company recovers as part of its global collection programme for emptied packaging.

Photo: Schütz



**Caption:** The new plastic frame pallet from Schütz was specially developed for safe and smooth IBC transport in modern, automated warehouses and is made entirely of recycled material.

Photo: Schütz



**Caption:** The 3-skid steel pallet with embossed sheet metal skids has an additional central skid compared to standard steel skid pallets. This ensures improved weight distribution thanks to a wider contact surface.

Photo: Schütz



**Caption:** The Combi Laser Drum combines a galvanized Laser steel drum with an inner container made of HDPE plastic, uniting the corrosion resistance and cleanliness of a plastic drum with the stability and permeation protection of a steel drum.

Photo: Schütz



**Caption:** Schütz's Impeller, a single-use agitator, is a revolutionary, self-contained concept. It allows viscous products to be stirred and homogenized efficiently – without any of the usual contamination risks.

Photo: Schütz

### **About SCHÜTZ**

Schütz GmbH & Co. KGaA is a leading international producer of high-quality transport packaging (Intermediate Bulk Containers, PE and steel drums, and jerrycans). The Group's headquarters are in Selters, Germany. Founded in 1958, SCHÜTZ employs over 7000 people at over 60 production and service sites around the world. The four SCHÜTZ business units, ENERGY SYSTEMS, PACKAGING SYSTEMS, INDUSTRIAL SERVICES and COMPOSITES, each hold leading positions in their respective markets. The Group's turnover in 2023 was 2.3 billion euros. The company offers its customers full system solutions that are tailored to their individual supply chain. With the SCHÜTZ TICKET SERVICE, a closed-loop cycle of speedy collection and reconditioning for used SCHÜTZ IBCs, Schütz provides all of the world's major industrial nations with a service that fully complies with the Group's sustainability philosophy.

### ***For more information, please contact:***

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