

EuroBulk Systems

**SPECIAL
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The European journal for handling, processing and transport of premium bulk products

INTERNATIONAL NEWS • PEOPLE • PRODUCTS

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Ajax's equipment hopper provides a practical storage solution for prototype Sublimation System (see p13).

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Practical training is central at Bühler's new milling academy (see p10).

AUTOMATED INGREDIENT HANDLING



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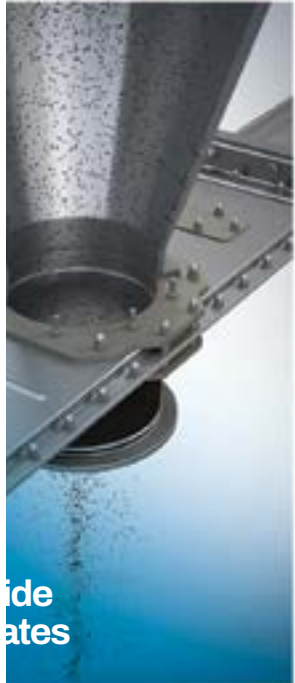
Daxner Headquarters AUSTRIA
Worldwide Powder Handling
T +43 / 7242 / 44 227-0
office@daxner.com

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Editor
Patrick Hicks
Tel: +44(0)7770 636613
pwh@oakhillmedia.com

Art and Production
Ray Hodd
denisehodd@btinternet.com

REPRESENTATIVES IN OTHER COUNTRIES

Germany, Austria, Switzerland:
IMP InterMediaPro e.K.
Mrs. Sounkar Mansal
Tel: +49 202 373294-14
mansal@intermediapro.de

Sven Anacker
Tel: +49 202 373294-11
sa@intermediapro.de

Italy:
Mediapoint & Communications srl
Roberto Ambra
Tel: +39 010 570 4948
roberto.ambra@mediapointsrl.it

Daniela Chiusa
Tel: +39 010 570 4948
daniela.chiusa@mediapointsrl.it

Spain, Portugal:
Elda Guidi
Tel: +39 010 570 4948
elda.guidi@mediapointsrl.it

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Oakhill Media Ltd, Oakhill House, 22 Williams Grove,
Surbiton KT6 5RN, United Kingdom
www.eurobulksystems.com
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Framework partnership agreement signed



Michael Finger, CEO, technotrans.

Technotrans and Windmüller & Hölscher (W&H) have signed an exclusive framework agreement for the supply of the jointly developed Turboclean Advanced E ink supply system. Designed to improve efficiency and sustainability in flexographic printing, the system will be used exclusively in W&H printing presses.

The agreement follows a long-term development partnership and secures technotrans an order volume in the low double-digit million-euro range. Michael Finger, CEO of technotrans SE, noted the strategic value of the collaboration in reinforcing the company's position in the print market.

The ink supply system was developed specifically for use in high-performance flexographic presses, such as those used for film printing in packaging applications. Development and testing took place over several years, with technotrans even assigning a resident engineer to W&H to support the process.

www.technotrans.com

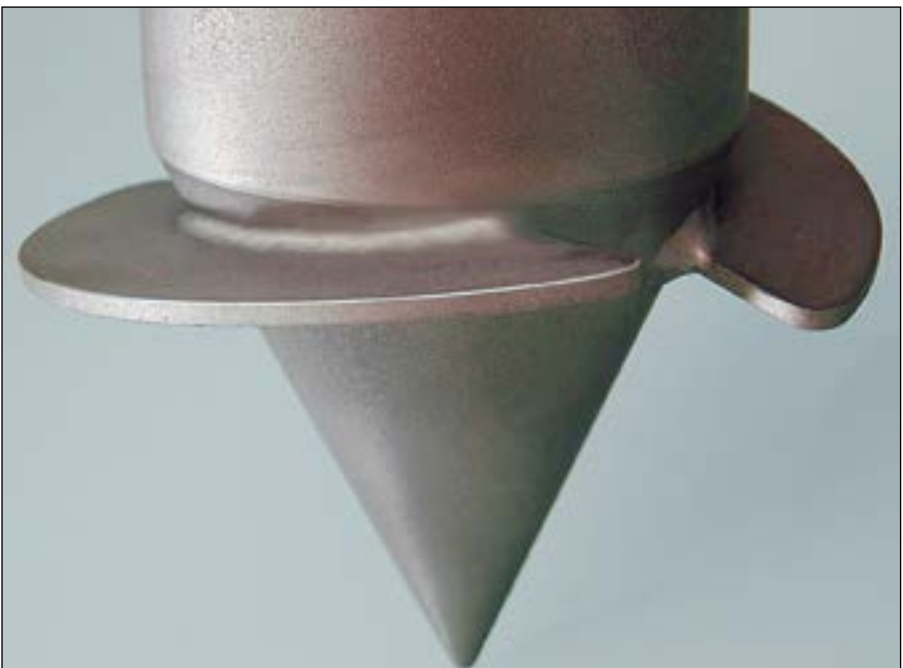
Representative all-layer sampling from bulk solids stored in tanks and silo



Bürkle GmbH has introduced the SiloDrill, a robust sampling tool designed to collect representative all-layer samples from bulk solids stored in tanks and silos. As bulk materials often segregate during transport and storage, consistent sampling through all layers is essential for accurate quality, composition, and property analysis.

The SiloDrill is engineered to pass through silo openings as small as 90 mm and is suitable even for non-flowing bulk materials. Its sturdy construction includes a spring-loaded inner tube to prevent jamming and a T-handle that facilitates easy operation of the sampling chamber.

Manufactured from stainless steel 1.4301 (V2A), the SiloDrill offers excellent chemical resistance, making it suitable for use in chemically demanding environments.



Applications include agriculture for sampling grain, seeds, fertilisers or animal feed; or in the food industry for sampling powdered and granulated foodstuffs from storage silos.



The SiloDrill takes samples for further analyses required to comply with legal regulations or industry standards.

An aluminium version is also available for applications where lower weight and cost are priorities.

This sampler is used across several industries. In agriculture, it is suitable for grain, seed, fertiliser, and animal feed sampling. In the food and chemical sectors, it serves for powdered and granulated materials stored in silos.

Bürkle will be showcasing the SiloDrill at Powtech Technopharm 2025, Hall 10, Stand 10-324.

In addition to samplers, Bürkle offers a wide range of manual sampling devices, drum and container pumps, and laboratory supplies.

www.buerkle.de/en/samplers/silodrill



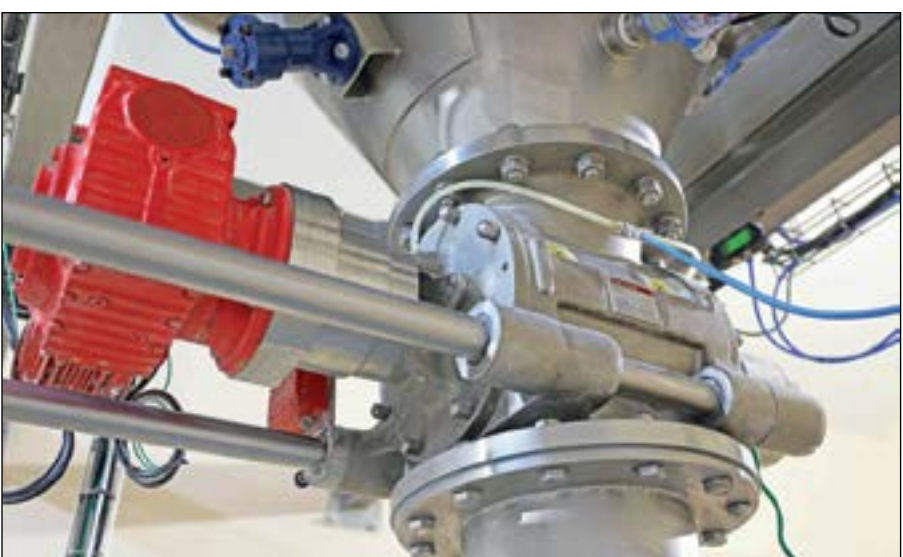
The SiloDrill sampler is used to check the quality and homogeneity of bulk materials in order to detect contamination or spoilage within the stored materials at an early stage.

Enhanced fast clean rotary valves unveiled

Gericke RotaVal has introduced its latest generation of fast clean rotary valves, incorporating a suite of innovative features designed to boost efficiency while ensuring safe, hygienic operation. The updated range is certified by USDA Dairy, EHEDG, and ATEX, making it suitable for a broad spectrum of industries, including those with stringent hygiene requirements.

The HDMF and BSMF models are engineered for ease of cleaning and minimal downtime, key attributes for processes requiring frequent sanitation. Available in both single and double end opening versions, the valves support streamlined access and maintenance, helping operators maintain high productivity levels.

A standout feature is the patented RotaLign system, which simplifies the dismantling and reassembly process. This self-aligning rotor technology eliminates the need for realignment or clearance checks, allowing for quick maintenance without specialist tools. Bearing replacements are also simplified,



The updated RotoVal range is certified by USDA Dairy, EHEDG, and ATEX, making it suitable for a broad spectrum of industries.

requiring little or no adjustment.
For industries that demand high levels

of cleanliness, the valves now offer an external washdown option certified to IPx9K - the highest rating for water ingress protection. This ensures thorough cleaning even under high-pressure wash conditions, meeting the standards required for food and pharmaceutical processing.

To further enhance safety and product integrity, the rotary valves incorporate a tapered bore and matching rotor design. Combined with integrated guide rails, this configuration eliminates the risk of scratching or damage during rotor extraction or reinsertion, reducing contamination risks.

www.gerickegroup.com



The RotaVal Fast Clean Valve from Gericke.

Efficient bulk loading for shipping containers

The GWS 2000 Belt Thrower is designed for the precise and efficient loading of bulk materials into shipping containers. Suitable for a wide range of materials including granulates, fertiliser, salt, and sand, the GWS 2000 offers a robust, low-maintenance solution tailored to meet industrial demands.

This machine has the ability to convey bulk material directly into container lorries with speed and accuracy. Its integrated centrifugal conveyor enables even distribution across adjustable throwing distances, ensuring maximum utilisation of container space while minimising material loss. This feature is especially effective for reaching deep or awkward areas inside containers.

Engineered for continuous use, the GWS 2000 combines powerful conveyor technology with a durable construction that withstands demanding operating conditions. It is designed to interface smoothly with existing systems, including direct loading from silos, enhancing operational flexibility.

Ease of use and maintenance further enhance its value, making the GWS 2000 a practical choice for operators seeking efficiency and reliability in bulk loading applications.

A demonstration of the GWS 2000 in action can be viewed on YouTube – search for “**GWS2000 Belt Thrower for Plastic**”.



The GWS 2000 Belt Thrower from SSB.

Amicus robot range from Haver & Boecker



Haver & Boecker have introduced the Amicus robot family to complement its packing line for the bulk material handling industry. The depalletising system achieves an output of up to 6,000 bags per hour.

Haver & Boecker has introduced two new robotic solutions, the Amicus Depal Edition and Amicus Pal Edition, designed to automate the depalletising and palletising stages of bulk material packing lines. These systems aim to streamline operations from empty to filled bags while improving safety and reducing manual handling.

According to Bernhard Pagenkemper, Chief Sales Officer at Haver & Boecker Machinery Division, the Amicus range is intended to complement existing packing lines by handling bags, drums and other materials with precision, reducing downtime and reliance on manual monitoring.

The Amicus Depal uses image recognition to detect and pick up bag bundles, transferring them from pallets to the automatic bag placer. The system includes an end-of-arm tool developed by Haver & Boecker that can handle unstrapped bundles of 15 to 20 empty bags and adapt to various bag sizes without tool changes. When combined with a packing machine and bag applicator, the Depal can achieve an output of up to 6,000 bags per hour. Its compact design allows for easy integration into existing lines, while setup is designed to minimise downtime. The system is also intended to be straightforward to operate and maintain.

The Amicus Pal robotic palletiser completes the process by stacking filled bags, pails, canisters and drums on pallets. A smart HMI interface enables adjustments to different container and pallet sizes. Optional equipment such as slip sheet, film and pallet magazines is also available. The Pal can operate with two packing machines simultaneously and can be adapted to a variety of production setups.

Both Depal and Pal are designed for continuous operation and can be integrated with Haver & Boecker's range of bulk packing solutions.

www.haverboecker.com

New animation showcases integrated metal recovery

Eriez has launched a new animated video that highlights its comprehensive range of metal recovery technologies for the scrap recycling industry. The virtual demonstration presents how Eriez systems can be tailored and integrated to improve scrap yard efficiency, reduce downtime, and enhance metal yield.

The animation walks viewers through a step-by-step recovery process, beginning with PokerSort, which removes long ferrous items from shredded material to protect downstream equipment and maintain smooth material flow. The Double Pass P-Rex Drum System follows, using powerful magnetic separation to improve ferrous

recovery and ensure cleaner outputs.

Further improving processing, the Shred1 Ballistic Separator isolates low-copper ferrous from mixed shred, enhancing product value and reducing manual sorting. The sequence also includes the Electromagnetic Scavenger Drum, which separates remaining ferrous from nonferrous material and debris.

For nonferrous recovery, the animation showcases advanced solutions such as Suspended Electromagnets, the Dynamic Pulley Separator, and the Ultra High-Frequency Eddy Current Separator - all engineered to ensure efficient separation and a high-purity metal product.

Additional systems featured include the Drum-in-Housing Magnetic System, ST22, and LT2 Eddy Current Separators, along with supporting components like magnetic pulleys and trommels. These work together to provide comprehensive recovery for various material sizes and types.

According to Eriez-Europe Sales Director Lloyd Williams, the animation reflects the company's customised approach to scrap yard design. "Our solutions are flexible and scalable, helping operators maximise performance while achieving a rapid return on investment."

The animation can be viewed at

www.eriez.com



New R&D and testing facility for Dinnissen

Dinnissen Process Technology is constructing the D-Innocenter, a 2,000 sq m research and development facility located next to its headquarters in Sevenum, the Netherlands. Set for completion in early 2026, the new site is designed to accelerate innovation, enhance customer testing capabilities, and streamline machine building and system integration.

The D-Innocenter will include two dedicated halls offering a total of 1,500 sq m of testing space. Hall 1 will focus on co-developing and testing new machines and process technologies in collaboration with clients, while Hall 2 will serve as an area for assembling and commissioning

full production lines under realistic operating conditions.

By enabling off-site testing and commissioning, the facility is expected to reduce project risks, improve predictability, and shorten lead times. Dinnissen says the initiative will support quicker start-ups and increased reliability for customers.

Managing Director Wouter Kuijpers commented, "The D-Innocenter allows us to build, test, and fine-tune complete lines in advance, shifting key steps to a controlled environment and enhancing overall project efficiency."

Click on this link to view the new facility:

[D-Innocenter](#)

Olive mill expands

Caminhos do Futuro, the last remaining olive oil mill in Montemor-o-Novo, Portugal, has significantly boosted its processing capacity with the installation of Alfa Laval's advanced Foodec Sigma decanter. The upgrade has enabled the cooperative to quadruple its output from 1,500 kg/hour to 6,000 kg/hour, supporting a growing network of local farmers while preserving a long-standing agricultural tradition.

The decision to modernise was driven by the need to remain competitive amid rising demand and shorter harvest

seasons. "We either modernised the process or lost competitiveness," reflects José Ferreira, a long-serving mill operator. The new extraction line, designed in collaboration with Alfa Laval, is part of a broader strategy to future-proof the mill and meet evolving production needs.

Caminhos do Futuro's longstanding relationship with Alfa Laval played a key role in the transition. The site had already been operating Alfa Laval equipment for over three decades, including a decanter installed in 1998 and high-speed separators dating back to 1989 - all still

functional. The older decanter now serves a new role in processing olive pomace, enhancing sustainability by utilising material previously discarded.

Alfa Laval's latest Sigma series features innovations such as an extended conveyor for greater extraction efficiency and the patented Active Baffle Disc, which ensures stable performance even under variable conditions. The technology also offers easier operation and reduced downtime, making it ideal for modern, high-throughput mills.

www.alfalaval.com/sigma.



Alfa Laval's advanced Foodec Sigma decanter will boost production capacity.

50 years of innovation in PET technology



KHS Hamburg is celebrating 50 years as a key player in the development of PET packaging technologies. Established in 1975 as Gildemeister Corpoplast GmbH, the facility has grown into a vital part of the KHS Group, known for pioneering systems that promote sustainability and resource efficiency.

Among its notable contributions are the first series-produced stretch blow molders and the advanced Plasmax barrier technology. These innovations have helped shape the beverage and packaging industries by improving recyclability and reducing material use. KHS machines today can process up to 100% recycled PET, supporting closed-loop bottle systems and helping customers reduce energy and material consumption.

A standout example is the latest generation of the InnoPET Blomax stretch blow moulder, which uses a

Double Gate heating system to lower energy costs by up to 40%. This focus on efficiency reflects KHS Hamburg's broader commitment to sustainable engineering.

The site complements KHS's wider German network, which includes facilities in Dortmund, Bad Kreuznach, Kleve, and Worms, each contributing expertise in areas such as filling, labelling, packaging, and palletising.

To meet growing global demand for sustainable PET solutions, KHS is expanding its Hamburg operations with new production areas and R&D facilities. Investment in both infrastructure and skilled personnel remains central to the company's forward strategy.

"Our employees' expertise and dedication are crucial to our continued success," says Kai Acker, CEO of KHS GmbH. "Hamburg will continue to play a leading role in driving innovation for years to come."

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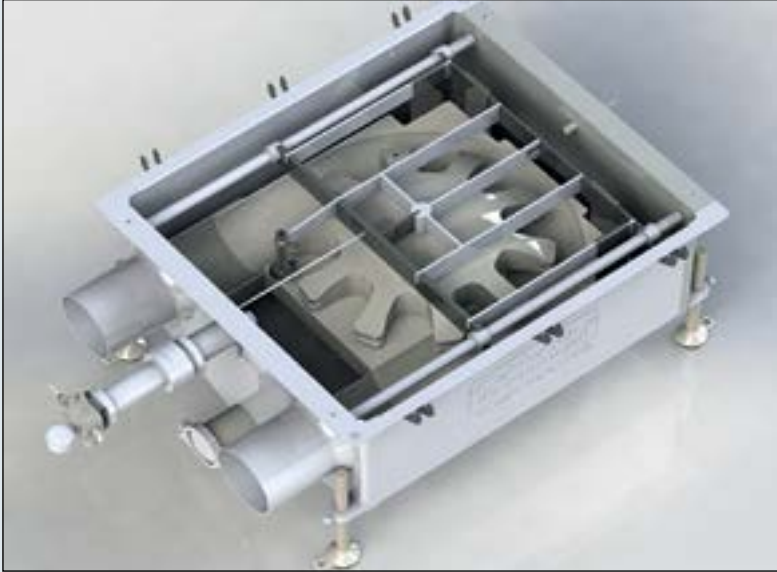
LET'S TALK

Torsten Lehmann, Head of Sales Offices North & East
www.aerzen.com/processtechnology



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Improving product yield and efficiency



The Cablevey CleanTray.

Cablevey Conveyors, a specialist in tubular drag conveying technology, has introduced two new retrofit innovations – CleanDrop and CleanTray – aimed at reducing product loss and improving operational efficiency across bulk material handling operations.

The product launches represent the company's first major innovations since joining Akona Process Solutions, a newly consolidated group that includes Cablevey, Kason, Marion, and Spiroflow.

CleanDrop targets the issue of carryover – residual material that remains on conveyor discs and bypasses intended discharge points. Developed initially for the coffee sector, the system uses a simple mechanical action to gently dislodge particles within a specially designed tube. Lab tests with ground coffee have shown up to a tenfold reduction in product carryover. The system is retrofittable, requiring only a tube replacement and minimal

downtime.

CleanTray, the second upgrade, addresses product loss within the conveyor's turnaround section. Traditionally a point where material can escape the process flow, the CleanTray system captures and recycles this residual product back into circulation. Its three-piece design ensures smooth movement in sync with the conveyor's carriage and maintains consistent material flow.

"These are practical, cost-effective upgrades that help processors maximise yield and reduce waste," said John Adair, new product development engineering manager at Akona. "Importantly, they can be installed into existing systems without requiring a full equipment replacement."

Already adopted in large-scale coffee processing facilities, both solutions are now available for global order.

www.akonasolutions.com

Lindner expands in Latin America



Frederico Hartmann (right), Managing Director of Lindner LATAM, together with Michael Lackner (left), Managing Director of Lindner Holding, at the office of the newly established subsidiary in São Paulo, Brazil.

Austrian recycling technology specialist Lindner has established a new subsidiary, Lindner LATAM, marking a significant step in its global expansion strategy. Based in Brazil, the new entity reinforces Lindner's long-term commitment to the Latin American market, where demand for waste processing, alternative fuels, and plastics recycling continues to grow.

The foundation of Lindner LATAM aims to improve customer proximity and enhance service capabilities in the region. Working closely with local partners, the company is set to deliver innovative,

tailored recycling solutions to meet regional needs.

"Latin America is a dynamic market with great potential," said Michael Lackner, Managing Director of Lindner Holding. "Lindner LATAM allows us to collaborate more closely with customers and partners on future-oriented recycling projects."

Frederico Hartmann, who has supported Lindner's activities in Latin America since 2012, has been appointed Managing Director of Lindner LATAM, bringing valuable regional experience to the new role.

www.lindner.com

Belt-Fed optical sorter for delicate food products

Key Technology has introduced its new belt-fed Compass optical sorter, expanding its family of advanced sorting solutions. Designed for handling wet, sticky, or fragile products, the new system delivers high-performance defect and foreign material removal, while offering enhanced ease of use, sanitation, and maintenance.

Unveiled at Pack Expo Las Vegas, the belt-fed Compass builds on the success of the original chute-fed version launched in 2023. Unlike chute-fed systems that require vertical installation, the belt-fed design installs horizontally – minimising facility modifications and

making it suitable for a wider range of food processors, including those handling produce and snack foods.

The sorter uses Key's "Next" sort engine and supports up to eight channels of multispectral sensor data to detect and remove plastics, glass, paper, wood, and product defects based on colour, size, shape, and texture. The system's camera technology achieves high precision without the need for additional laser or hyperspectral sensors.

A smartphone-like interface allows staff to learn operation in under 30 minutes, while recipe creation and changeovers can be completed in minutes. Intelligent

belt tracking, minimal manual adjustments, and open, hygienic design further reduce downtime and labour requirements.

Equipped with Key Discovery, the Compass sorter also functions as an IIoT-enabled data hub, offering processors real-time insights into product quality and line performance.

Available in multiple sizes and configurations, the belt-fed Compass can be integrated across various points in the processing line, helping producers achieve consistent quality, improved yield, and operational efficiency.

www.key.net



Designed for handling wet, sticky or fragile products, Key Technology's new Compass system delivers high-defect and foreign material removal.

The critical role of routine metal detector testing in food safety

Routine testing of metal detection systems is an essential component of food safety protocols, ensuring that manufacturers meet both regulatory and retailer standards while minimising the risk of contamination. Mettler-Toledo Safeline highlights that metal detectors must be regularly validated, verified and monitored to remain effective across changing production conditions.

Validation confirms a detector's suitability at installation, while periodic verification—typically every 6 to 12 months—checks ongoing sensitivity and performance. Routine performance monitoring during production identifies any changes in sensitivity due to product variations, machine adjustments or wear and tear.

Testing approaches vary by application. Conveyor-based systems require checks across the entire product path to confirm detection and rejection reliability. Free-fall and pipeline systems demand strategic placement of test pieces to ensure contaminants are identified regardless of product flow dynamics. Tests should mirror actual production conditions, including worst-case scenarios.

Retailers often impose additional protocols such as consecutive testing,



Conveyor-based systems require checks across the entire product path to confirm detection and rejection reliability.

memory tests and large metal checks to confirm consistent system performance and minimise false rejects. These standards also define when tests must occur—typically during shift changes, after maintenance, or product switches.

New technologies are helping streamline this process. Automated Test Systems (ATS), Reduced Test Mode

(RT Mode), and HMI emulation allow for safer, more consistent, and less labour-intensive testing. Digital tools such as electronic recordkeeping further enhance traceability and compliance.

Ultimately, a robust testing strategy not only safeguards consumers but also helps manufacturers avoid costly recalls and maintain trust across the supply chain.

Gentle and energy efficient bulk materials handling



Gericke Dense Phase Conveyors.

Dense phase pneumatic conveying systems offer a reliable solution for handling bulk materials while preserving product integrity. The Swiss-based Gericke Group is a long-standing supplier in this field, providing systems that integrate control technologies to support process optimisation and energy efficiency.

Designed for applications where material quality must be maintained, dense phase conveying is suitable for transporting powders, granules, flakes, and pellets. It reduces the likelihood of particle degradation, demixing, or changes in bulk density, making it a practical option for industries handling sensitive or blended materials.

The systems use pressure vessels without rotating components, which lowers maintenance requirements and helps prevent metal contamination. They are sealed and dust-tight, reducing the potential for leakage and ensuring cleaner operation compared to dilute phase systems using rotary valves. Operating pressures of up to 6 barg enable high solids loading with relatively low gas consumption, contributing to energy savings and cost efficiency.

Gericke systems can handle conveying distances up to 500 metres and capacities

of up to 150 m³/h. Available in carbon or stainless steel, the pressure vessels range from 20 to 5,200 litres and meet standards such as PED 2014/68/EC, ASME, and GB 150.

Applications range from transfer of spray-dried products and transport from mixers to filling lines, to direct reactor

loading. Additional capabilities include batch weighing, inert gas conveying, and unloading from road or rail tankers. Gericke offers three conveying modes to suit different process needs, including DenseFlow, PulseFlow, and PulseLine configurations.

gerickegroup.com

Electromagnetic filters for European ceramics producer

A leading European manufacturer of luxury ceramic sanitaryware has placed an order for nine high-intensity Electromagnetic Wet Filters from Bunting Magnetics. The units will be deployed across production sites in Poland, Portugal, and Ukraine to enhance the purity of ceramic slips, glazes, and bodies.

Bunting's Electromagnetic Wet Filters utilise powerful magnetic fields - up to 10,000 Gauss - to remove fine iron and paramagnetic minerals that cause defects such as spotting, discoloration, or cracking. These issues are especially problematic in high-end white and pale ceramics, where quality consistency is critical.

Each filter features a computer-designed electromagnetic coil surrounding a stainless-steel matrix. During operation, ceramic material is pumped through the filter, where magnetic particles are captured by the matrix. The system automatically cleans itself by shutting

down the magnetic field and flushing out collected contaminants.

Seven of the filters ordered for this project operate at 2,500 Gauss and will be used for processing ceramic slip. The remaining two, rated at 5,000 Gauss, are designed for glaze treatment. The combination of oil-cooled coils and energy-efficient design ensures consistent thermal performance and low operating temperatures.

"By adopting this advanced magnetic separation technology, our client expects to significantly reduce product rejects and material waste," said Bradley Greenwood, Head of International and European Sales at Bunting Magnetics.

The investment underscores the growing importance of precision filtration technologies in ceramic manufacturing, where maintaining product quality while minimising rework and recycling costs is a key driver of operational efficiency.



Bunting's Electromagnetic Wet Filters.

On-site recycling and reconditioning facility opens in Spain

Mauser Packaging Solutions has opened a new reconditioning and recycling facility at the BASF site in Tarragona, Spain, further expanding its European footprint and deepening its collaboration with BASF. The facility is designed to enhance packaging circularity by reconditioning Intermediate Bulk Containers (IBCs) and producing high-quality post-consumer resin (PCR) from used industrial plastic packaging.

Located within the BASF site, the

facility improves logistics by reducing transportation needs and associated carbon emissions. It also fosters operational synergies by leveraging existing infrastructure and sustainability initiatives, including advanced water treatment and green energy systems.

"This investment is a key milestone in advancing our sustainability goals and strengthening our partnership with BASF," said Michael Steubing, President of Mauser International Packaging

Solutions. "It allows us to offer faster, more sustainable packaging solutions directly from the source."

The reconditioned IBCs will be used by BASF and other regional customers, contributing to waste reduction and packaging reuse. The site has received BAM certifications for reconditioning and cross-bottling, ensuring compliance with safety and transport regulations for handling hazardous goods.

Frank Burger, Head of SHEQ at

Mauser International, added, "By operating on-site, we maintain the highest quality standards while reducing environmental impact."

The Tarragona facility is part of Mauser Packaging Solutions' broader \$1 billion sustainability strategy, which includes innovations like the Infinity Series and Recover Syst-M program, aimed at reducing waste and extending packaging life cycles.

www.mauserpackaging.com.

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ATEX screw conveyor for Durrans

Ajax Equipment has supplied a UKEX/ATEX-certified screw conveyor to James Durrans & Sons, a manufacturer of carbon-based materials within the Durrans Group. The new conveyor is designed to handle coal dust, efficiently transferring material from a dust collection hopper, while maintaining containment to support safe, continuous operation.

Developed in response to a tight project timeline, the screw conveyor

meets stringent ATEX regulations for hazardous environments. Ajax collaborated closely with the customer to ensure the system met the specified feed rate and safety requirements.

Lewis Shaw, technical sales engineer at Ajax Equipment, noted the value of the joint approach: "Working together allowed us to quickly deliver a tailored solution that met performance and compliance needs."

www.ajax.co.uk



The new conveyor is designed to handle coal dust.



The conveyor meets stringent ATEX regulations.

Video outlines hopper transition design practices for vibratory feeders



Eriez's new video is intended to assist engineers and operators in achieving more reliable and consistent bulk material handling performance.

Eriez has released a new educational video providing an overview of best practices for designing hopper transitions in vibratory feeding and conveying systems. The video is intended to assist engineers and operators in achieving more reliable and consistent bulk material handling performance by focusing on transition geometry and its influence on material flow.

Hopper transitions, which connect bulk storage hoppers to vibratory feeders, play a critical role in how material is delivered onto the feeder tray. The video explains how specific design choices can affect flow behaviour, discharge rates, and the mechanical load imposed on feeding equipment.

Among the topics addressed are the effects of hopper wall angles, throat size, and the overall shape of the transition section. The video highlights how steeper wall angles and properly sized throat openings generally promote better flow, while flat or vertical walls and oversized throats may contribute to issues such as material buildup or erratic flow patterns. These problems can, in turn, affect the feeder's performance and lifespan.

"Minor deviations in transition design can result in inconsistent material flow or

increased loading on the feeder," notes Clay O'Dana, Global Product Manager – Vibratory at Eriez. "This can complicate equipment sizing and reduce operating efficiency over time."

The video also discusses the importance of accounting for material characteristics – such as cohesiveness, particle size, and bulk density – when designing a transition. Since these properties vary significantly across applications, the video emphasises that hopper transition design should be approached on a case-by-case basis.

In addition to highlighting common design flaws, the video offers a range of practical suggestions for improving system performance. These include ensuring smooth internal surfaces, maintaining appropriate discharge clearance, and avoiding abrupt geometry changes that may disrupt material flow.

The resource is intended for use by plant engineers, maintenance teams, and equipment designers involved in the handling of bulk solids using vibratory technology.

To watch the new Eriez hopper transitions video, visit

<https://www.youtube.com/watch?v=wAMCvxVvr5E>

STIF acquires StuvEx to expand explosion protection capabilities



STIF, a French specialist in passive explosion protection, has completed



Stuvex safe ground earthing product.

the acquisition of Belgian company StuvEx, a leading European provider of active explosion protection systems. The acquisition marks a key strategic step in STIF's growth, positioning the company as a comprehensive industrial and energy safety provider in Europe and beyond.

By integrating StuvEx's expertise in active protection—covering detection, suppression, and isolation systems—STIF now offers a full spectrum of explosion protection technologies. This move

enhances its presence across key sectors such as agri-food, chemicals, dust treatment, and wood processing.

Headquartered in Belgium with around 50 employees, StuvEx generated €13 million in revenue in 2024 and has demonstrated solid profitability. Its operations are concentrated in the Benelux region, France, and the UK. The acquisition, mainly financed through bank debt, will be consolidated into STIF's accounts from July 1, 2025.

More information: www.stifnet.com



The new Stuvex logo.



The Stif Vigiflap.



Stuvex explosion suppression product.

"Packaging as a Service" for ultra-light powder bagging

Greif-Velox Maschinenfabrik GmbH has launched a new service model that enables industrial powder producers to access automated bagging equipment without the need for upfront investment. Known as "Packaging as a Service" (PaaS), the offering combines machine leasing, maintenance, spare parts, consumables, and bag supply into a fixed monthly fee.

The model is initially being implemented alongside the company's VeloVac vacuum bagging system, which is designed for dust-free handling of ultra-light powders. Additional machines, including the A-DOS-P1 automatic filling system and the BVP pneumatic packer, are planned for inclusion in the programme.

Greif-Velox's PaaS approach follows trends in other sectors where equipment-as-a-service models are used to improve cost predictability and reduce capital expenditure (CAPEX). In this case, customers are provided with a full bagging line, including related services, while paying a monthly operational expense (OPEX) instead of purchasing equipment outright.

The system is aimed at facilities seeking stable operating costs and increased system availability. All technical maintenance, spare parts supply, and consumable coordination are managed by Greif-Velox, allowing operators to reduce their internal resource requirements. The model includes an option to purchase the equipment at the end of the contract term.

The VeloVac system offers technical



benefits such as compacted bagging of ultra-light powders, which can contribute to reduced packaging volume and increased filling speed. Remote support is available through a digital service platform, while spare parts logistics are supported by a consignment warehouse

with automated replenishment.

In collaboration with dy-pack Verpackungen Gustav Dyckerhoff GmbH, Greif-Velox also supplies bags that are tailored to the equipment. These SAFEDyVac bags are designed to improve sealing performance and reduce material usage.

The PaaS model is supported by partnerships with Siemens Financial Services and aims to provide a complete solution that addresses cost control, operational reliability, and supply security. It may appeal to producers looking for a lower-risk way to upgrade or expand bagging capacity for powder products, particularly where handling efficiency and dust containment are priorities.

www.greif-velox.com

Industry Updates – Every Week

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Enhancing flexibility in pet food production

With growing consumer demand - and increasingly stringent quality standards - modern pet food production faces mounting challenges. A recent large-scale facility expansion demonstrates how capacity and process efficiency can be significantly increased within an existing plant infrastructure, without interrupting live operations.

An established international pet food

manufacturer invested over €10 million to upgrade its production facility, partnering with Austrian bulk handling specialist Daxner to lead the integration. The project required precise planning and execution to incorporate new systems into the existing structure, while maintaining continuous production.

Daxner installed five fully integrated systems for storage, conveying, and

dosing -ensuring reliable handling of bulk, major, minor, and micro components with strict hygiene compliance. Pneumatic conveying systems were designed to handle throughputs of up to 50 tonnes per hour, with specific attention to wear protection and sensitive material handling.

One of the project's central challenges involved adapting the design to existing structural constraints. Using a modular approach, Daxner modified the original layout to minimise foundation work and seamlessly integrate new systems. The upgrade included 11 large-capacity

silos (three newly installed), 18 major component silos, five super sack dosing stations, and over 40 minor and micro component feeders.

Automation throughout the dosing process ensures high precision and traceability, while supporting rapid recipe changeovers.

Efficient coordination between the project stakeholders enabled quick resolution of planning adjustments and technical requirements. Daxner's in-house fabrication ensured consistent equipment quality and hygienic design, essential for maintaining batch purity and reducing

cleaning time.

This expansion positions the pet food manufacturer to respond quickly to market fluctuations, while maintaining high product standards. By leveraging smart system architecture and scalable technology, the plant can adapt to new production demands with minimal disruption.

The project exemplifies how targeted investment and technical expertise can deliver a sustainable boost in capacity and operational agility - offering a future-ready solution in an increasingly competitive industry.



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Bühler opens new milling academy



With a daily capacity of 24 tonnes, the fully automated training mill offers the opportunity to conduct training at an industrial scale.

Bühler has inaugurated a new training facility, the Milling Academy, at its headquarters in Uzwil, Switzerland. The 1,800-square-meter centre is designed to support the professional development of food and feed milling personnel by combining classroom instruction with practical, hands-on experience across a range of milling processes and equipment.

The facility includes three classrooms, breakout areas, and a dedicated arena in the machine park for live equipment training. Participants have access to Bühler's adjacent Grain Innovation Center, research labs, and the CUBIC innovation campus. The academy also houses a fully operational training mill with a processing capacity of 24 tonnes per day, allowing

for industrial-scale instruction.

A key component of the Academy's offering is the integration of modern teaching methods, digital learning tools, and practical experience using both current and legacy equipment. Two dedicated laboratories provide space for analytical and electronics training. The Academy also includes the School of

Feed Technology (SFT), broadening the scope of training available to feed millers.

Bühler reports that the Academy will host over 100 courses annually for more than 750 participants in multiple languages. Course modules are tailored to a wide range of roles within milling operations, from operators and head millers to maintenance engineers and management personnel. Customised training can also be delivered at customer sites globally.

The new facility aims to address growing demand for technical training in an industry facing workforce shortages and increasing complexity in production processes. According to Bühler, demand for training is being driven by ongoing shifts in food safety standards, efficiency

requirements, and digitalisation within milling operations.

Beyond Uzwil, Bühler maintains other training centres around the world, including partnerships with Kansas State University in the US, and training mills in Wuxi and Changzhou, China. Additional regional hubs in Kenya, Nigeria, India, and Côte d'Ivoire focus on local grain processing and provide region-specific training.

Bühler also collaborates with research institutions to link industrial practice with emerging technologies in areas such as alternative proteins and digital manufacturing. This network supports the company's broader training strategy by connecting applied learning with innovation.



Practical training is central: participants apply their knowledge directly on machines under expert guidance, preparing for real-world tasks.

Automated bagging system for animal feed producers



SSB Wägetechnik has launched a fully automated bagging system designed specifically for the efficient and precise packaging of animal feed. Developed for industrial applications, the solution is suitable for a wide range of feed products - including pellets, meal, compound feed, and grains - delivering flexibility, speed, and reliability.

The system encompasses all stages of the bagging process: bag feeding, weighing and filling, closing, palletising, and pallet wrapping. It can be configured to handle various bag types and filling weights from 5 to 50 kg, with an output capacity of up to 1,400 bags per hour. Its modular design enables seamless integration into existing production lines.

At the heart of the solution is SSB's weighing technology, offering either net or gross filling systems depending on production needs. All process steps are managed via a user-friendly touchscreen interface, allowing easy monitoring and control.

Designed with durability and hygiene in mind, the system features robust, low-maintenance components and a hygienic, easy-to-clean construction—making it especially suitable for the animal feed sector.

Key benefits include a complete end-to-end solution from conveying to pallet wrapping, high weighing precision for consistent results and modular and customisable features.

<https://www.ssb-waagen.de/en/product/ffs-bagging-machines/>

Ystral Expands Testing Capabilities with New Validation Centre

Mixing and dispersion technology specialist Ystral is expanding its testing infrastructure with the construction of a new validation centre at its headquarters in Ballrechten-Dottingen, Germany. The facility, which represents an investment of approximately €1.8 million, is scheduled for completion by the end of October 2025.

The new centre is intended to relieve capacity pressure on Ystral's existing application technology centre and development laboratory, which have reached their operational limits. Once completed, it will increase testing throughput and improve conditions for customer-specific trials.

The validation centre will be equipped to support testing, operator training, and product or process development using Ystral's mixing, dispersing, and powder

wetting systems. It will also be authorised for tests involving flammable or explosive media—an expansion of capability that reflects growing demand for process validation under varied safety conditions.

In addition to hosting in-person tests, the new facility incorporates remote access functionality, allowing clients to observe trials via secure livestream. This hybrid testing option aims to support international clients and reduce travel requirements where necessary.

"Many customers still prefer to visit us in person, but for those who cannot, livestream participation ensures they can monitor and contribute to trials in real time," says Uwe Klaumünzner, Head of the Validation Centre.

The centre includes several in-house analysis tools for evaluating test results. These include optical microscopy for

particle structure observation, density measurements, dynamic light scattering for particle size distribution, and a range of viscosity testing methods. The equipment allows for analysis across a variety of shear rates, including temperature-controlled testing conditions.

Ystral states that the validation centre is designed as a customer-focused space that supports industrial partners in method development and technology assessment prior to scale-up or procurement. It also serves as a training venue for operators who will be working with Ystral systems in production environments.

The project is part of the company's broader effort to strengthen technical collaboration with its global customer base and support process optimisation in sectors such as chemicals, food, and pharmaceuticals



Ystral company site in Ballrechten-Dottingen, Germany. A new testing centre is to be constructed here by October.

100 years of machinery and innovation



Haver & Boecker celebrated 100 years of the Machinery Division by hosting customers and industry partners from around the globe for an anniversary event at its headquarters in Oelde, Germany.

Haver & Boecker is marking the 100th anniversary of its Machinery Division with a year-long series of events that highlight its engineering legacy and future-focused innovation. Celebrations began in May at the company's headquarters in Oelde, Germany, with international customers and partners gathering for an immersive anniversary event. The milestone also coincides with 50 years of IBAU Hamburg and 25 years of AML Anlagentechnik, two key subsidiaries in the

Haver & Boecker Group. Blending heritage with innovation, the event featured historical exhibits and live demonstrations of the company's latest technologies. Digitalisation was a key theme, with the QUATPRO mission control studio showcasing tools for plant monitoring and predictive maintenance. The PROcheck service program, offering 24/7 support, was also well received. The company emphasised its ongoing

investment in people through the Haver Academy, which has trained generations of employees, and the Haver Institute's "Packing Triangle" methodology designed to optimise bagging efficiency. Company leaders expressed appreciation to customers and staff for their role in shaping the past century of success. Further customer events are scheduled for 4 September and 3 December 2025, with registration still open for the December date. www.haverboecker.com

CPC enhances ZSK Extruder Efficiency

Colorplasticchemie Albert Schleberger GmbH (cpc), a specialist in tailor-made masterbatch production, has improved the operational efficiency of its ZSK twin screw extruders by adopting Coperion's C-BEYOND digital solution. The platform enables real-time data capture and analysis of all production parameters, providing a transparent and holistic view of plant performance. By integrating C-BEYOND into its operations at its Remscheid facility, cpc can now continuously monitor Overall Equipment Effectiveness (OEE) for each extruder and the entire plant. The platform supports detailed order planning, maintenance scheduling, and environmental tracking—calculating energy use and CO₂ emissions per kilogram of masterbatch produced.

"C-BEYOND gives us the data certainty we need to make confident, efficiency-driven decisions," said Rüdiger Kaczka, Plant Manager at cpc. "It's especially valuable given our frequent recipe changes and short production runs." C-BEYOND's customisable dashboards provide insights into key performance indicators (KPIs), helping cpc minimise downtimes and optimise machine utilisation. The system tracks order transitions, logs interruptions, and facilitates predictive maintenance—empowering operators to act quickly and with precision. CPC is also leveraging the Sustain app, a C-BEYOND energy monitoring tool, to identify high-consumption equipment and streamline energy use across its facility.

www.coperion.com.



The C-BEYOND digital service platform is an important component of cpc's production planning. At any time, ZSK extruder operating personnel can enter data on the production status to the system.

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Loss-in-weight feeder on display



The Simplex FB loss-in-weight feeder can dose a variety of materials.

At the forthcoming K 2025 show in Düsseldorf (8-15 October), Qlar (formerly Schenck Process) will showcase its Simplex FB loss-in-weight feeder, designed for continuous and reliable dosing of various materials. The company will highlight its contributions to sustainable materials processing at booth G46 in hall 10, focusing on the efficient flow of materials in recycling and processing systems.

Qlar is committed to supporting the green transformation and digitalisation of materials processing, promoting sustainable processes that align with climate neutrality goals for 2050. At K 2025, the company will demonstrate how combining advanced hardware with

intelligent digital integration can enhance productivity, minimise downtime, and optimise material flow in recycling and processing applications.

A key feature of the exhibition is the Simplex FB feeder, a gravimetric, stainless-steel unit that handles a wide range of materials, including glass, carbon fibres, plastic flakes, and recycled materials. Its design, featuring a bottom-driven agitator, makes it particularly effective for processing post-consumer materials, such as regrinds or difficult-to-dose plastic flakes. The feeder's integrated sensor system provides real-time data, enabling efficient operation and early detection of potential blockages, ultimately improving process reliability.

Twin screw extruder drives innovation in chemical recycling research

The University of Utrecht has selected the Coperion STS 25 Mc11 twin screw extruder for a pioneering research initiative aimed at advancing chemical recycling of plastic waste. Led by Assistant Professor Dr. Ina Vollmer, the project focuses on the mechanical-chemical conversion of mixed plastics using catalysts to improve process efficiency and end-product quality.

The twin screw extruder plays a central role in the research, offering high shear and intensive mixing to distribute catalysts evenly within the plastic melt. This enables more efficient material conversion at

lower temperatures - potentially reducing energy consumption in chemical recycling processes.

Unlike traditional pyrolysis, which demands high heat, the use of catalysts allows chemical breakdown of plastics to begin within the extruder. Early results from Vollmer's team suggest this could lower the threshold for pyrolysis and lead to purer outputs with less energy input.

Coperion, in partnership with Herbold Meckesheim, will showcase its full range of plastics recycling technologies at the upcoming K 2025 trade show in Düsseldorf.

"This research holds real promise for scaling chemical recycling," said Leonid Liber, Sales Engineer at Coperion.

"We're pleased that the STS extruder is contributing to these important developments."

If proven effective, the catalytic process could be transferred to larger-scale systems, creating new pathways for sustainable, circular use of plastics.

This collaboration underlines the importance of academic and industrial partnerships in driving forward next-generation recycling technologies.



The twin screw extruder plays a central role in the research.

Urs Bühler: 1943-2025



Entrepreneur Urs Bühler has passed away at the age of 82 on August 1, 2025.

Bühler has announced the passing of Urs Bühler, who died on 1 August 2025 at the age of 82. Mr Bühler played a pivotal role in the company's growth and transformation over more than five decades, serving as owner, CEO and Chairman of the Board.

Born in Uzwil in 1943, he studied mechanical engineering at ETH Zurich before joining the family business in 1970. Over the years, he oversaw Bühler's international expansion, entry into new technology fields, and early adoption of modern information and automation systems. He became CEO in 1986 and Chairman in 1994, guiding the business to become a global technology group serving the food and mobility sectors.

In 2014, Mr Bühler completed a

carefully planned succession process, transferring company shares to his daughters Karin, Maya, and Jeannine, ensuring the company's continuation as a family-owned enterprise. He also held positions on several corporate boards, including the Swiss Bank Corporation and Sulzer Group, and contributed for decades to the Swiss engineering association Swissmem.

His leadership was marked by a commitment to innovation, reflected in initiatives such as the Urs Bühler Innovation Fund, the Cubic Innovation Campus, and the Bühler Energy Center.

Outside business, he was known for his interest in equestrian sports, skiing, and holistic health, founding Health Balance AG in 2004.

Moving mixer for food and chemical sectors



The Pegasus Moving Mixer.

Dinnissen has launched the Pegasus Moving Mixer, a compact, fully automated mixing system designed to optimise operations in limited production spaces. Featuring a movable mixer and barrel system, the new technology aims to improve efficiency, hygiene, and safety in both food and chemical manufacturing environments.

The system automates the entire process: an unmixed product barrel is automatically lifted, rotated, and connected to the Pegasus mixer, where the contents are evenly blended. A nitrogen injection system creates an

inert atmosphere before mixing begins, reducing explosion risks. Liquids and additives are sprayed evenly to ensure consistent product quality without waste.

Once mixing is complete, the mixer lifts while the barrel descends to allow for seamless product discharge—returning the mixed material to the same barrel with no risk of separation. The closed-loop design ensures a dust-free and hygienic operation.

Engineered for environments where safety and hygiene are paramount, the Pegasus Moving Mixer is fully enclosed, compact, and easy to clean.

It is particularly suited to facilities where space is limited but performance cannot be compromised.

Key features include even distribution of additives, a fully inert mixing atmosphere, and hands-free operation from filling to discharge. The system's hygienic, space-efficient design makes it a practical choice for sectors with high cleanliness standards.

<https://dinnissen.com/en/news/dinnissen-sets-new-standard-for-mixing-in-compact-spaces-with-pegasus-moving-mixer>

Ajax Equipment Hopper provides practical storage solution for prototype Sublimation System



The stainless steel conical hopper has gas purge capability.

Solids handling equipment maker, Ajax Equipment, has supplied research instrumentation producer, IGI Systems, with a stainless steel conical hopper with gas purge capability, as part of a prototype Sublimation System for a Low-Pressure Chemical Vapour Deposition application.

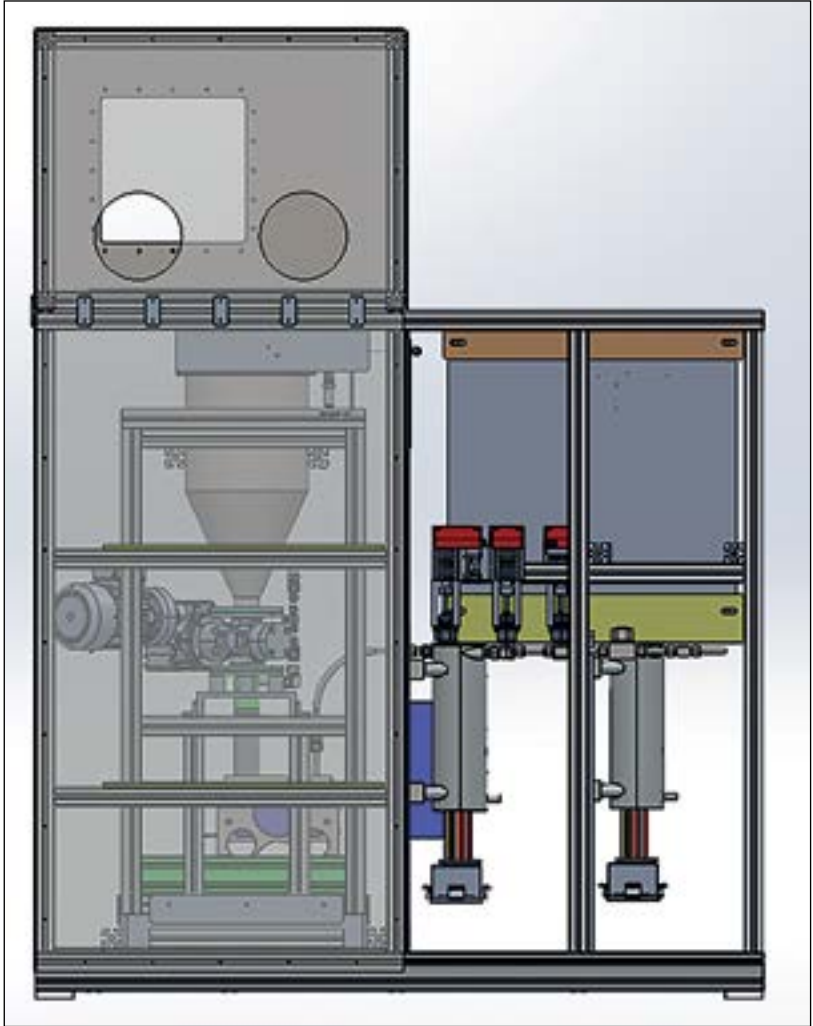
The hopper includes a variety of features to ensure best performance including manufacture in stainless steel to provide excellent corrosion resistance, while the hopper’s highly polished internal surfaces enhance wall slip which promotes material flow. An external vibrator provides a further aid for flow should it be required.

“It was a pleasure to work with Ajax. Their eagerness to engage with our needs and impressive solids handling expertise helped develop a practical storage solution for our system. The hopper’s fabrication is of high quality, and we are very happy with the finished product,” said Trevor Ingham, director at IGI Systems.

Lewis Shaw, senior technical engineer, Ajax Equipment, commented, “Although size limitations meant this hopper is one of the smallest Ajax has ever produced, its design ensures a reliable flow of the granular material being handled. Ajax worked with IGI Systems to provide the best wall angle, construction and surface finish for their application within the available headroom and interface needs. Normally Ajax recommends measuring the bulk solid’s flow properties as one of the first steps of any handling project; in this case testing wasn’t possible due

to the solid’s toxicity, but we still utilised our knowledge of best flow practice to develop a suitable design.”

www.ajax.co.uk



Side view of the hopper.

Akona launches UK production of Cablevey systems

Material processing and handling solutions specialist, Akona Process Solutions, is now building Cablevey conveying systems in the UK.

Previously produced exclusively in the US, the decision to co-locate production to the UK has been driven by customer demand and commercial strategy. With an increasing requirement for shorter lead times, reduced shipping costs and localised services, the shift enables Akona to respond more swiftly and efficiently without compromising Cablevey’s proven track record of quality. Production is already underway, with three UK-built projects in progress. The first system is due to be commissioned in Ireland in the next 3-4 months.

“Customers have been asking for a locally manufactured Cablevey solution for some time,” said Akona’s Ben Ayrton, Managing Director Europe. “They want faster, more cost-effective delivery, with the confidence that comes from dealing with a regional partner who understands the regulatory and logistical landscape. We’re now in a position to meet that demand head-on.”

The move also delivers significant commercial advantages for Akona. It opens the door to a broader range of projects and strengthens the company’s competitiveness against European alternatives. With UK manufacture now established, Akona can address local

markets directly and expand its presence across Europe. Environmental impact has also played a key role in the decision. By eliminating the need for transatlantic shipping from Cablevey’s US base in Oskaloosa, Iowa, Akona can substantially cut carbon emissions. Transporting 5,000 kg of equipment from the US to the UK can produce around 779 kg of CO₂. By manufacturing locally, Akona significantly reduces this impact.

The shift is also creating opportunities internally as it expands the skillset of the production and drawing office teams, increases aftermarket potential, increases profitability and reduces overall lead times.



The Cablevey conveying system is now being manufactured in the UK

Brenntag opens first CO₂-emission-free chemical distribution site



The Brenntag office.

Brenntag, specialists in chemicals and ingredients distribution, has inaugurated the first CO₂-emission-free chemical distribution site globally. For this purpose, the site in Traun, Austria, has been upgraded in terms of energy efficiency and a redesign of the entire energy system in recent months. The site is now considered a blueprint and global lighthouse project for Brenntag’s other around 600 sites in more than 70 countries worldwide.

In total, more than €1.5 million was invested in reducing energy consumption in a very holistic concept through thermal building renovation

and control optimisation of the heated acid/alkali tanks, converting the heating system to groundwater heat pumps and low-temperature radiators, as well as covering the electricity requirements for the heat pump, site consumers and e-charging stations by installing a photovoltaic system. The total savings amount to around 120 tons of CO₂ per year, which is roughly equivalent to the total energy consumption of 50 households per year. The photovoltaic system will generate around 220,000 kWh of electricity per year at 220 kWp and thus cover the annual consumption of the two heat pumps (73 and 110 kW).

Preventing fugitive material from conveyors

Bulk handling operators can struggle with dust and spillage issues from belt conveyors. R. Todd Swinderman, President Emeritus, Martin Engineering, provides an insight into enhancing efficiency and safety through modern design elements that can be retrofitted into existing systems.



Most conveyors experience some degree of material loss due to spillage, leakage, dust, and carryback.

Most conveyors experience some degree of material loss due to spillage, leakage, dust, and carryback, collectively known as fugitive materials.

This loss can range from 3% in poorly operated and maintained systems to less than 0.1% in world-class operations.[1] Although fugitive materials cannot be completely eliminated from bulk material handling conveyors, the issue can be effectively managed, leading to cleaner, safer and more productive operations.

The symptoms of a failure to control fugitive materials include unplanned downtime, excessive cleaning costs, premature equipment failure, regulatory violations, and safety incidents. Addressing these symptoms with workable, long-term solutions will enhance performance, housekeeping and safety, and boost profitability.

When material “goes rogue”

The nature of fugitive material problems from any conveyor is indicated by the location and particle sizes of the accumulations. Fugitive materials are generally categorised into spillage, leakage, dust and carryback.

- **Spillage** escapes the belt and collects under the conveyor in both the loading and discharge zones. Piles of spillage accumulate rapidly and occur due to overloaded belts, mistracking, and insufficiently sealed loading and discharge zones. This is best remedied with a *Skirtboard Liner*. A wearliner and a canoe liner protect the enclosure from abrasion wear.

- **Leakage** seeps, slowly accumulating in piles.



A properly structured enclosure is slightly elevated, with dust curtains, an external wearliner, and adequate skirting.

The source of the leakage may not be immediately apparent. Apron-Seal™ dual skirting along the skirt board rides the belt, creating a seal material from dust emissions.

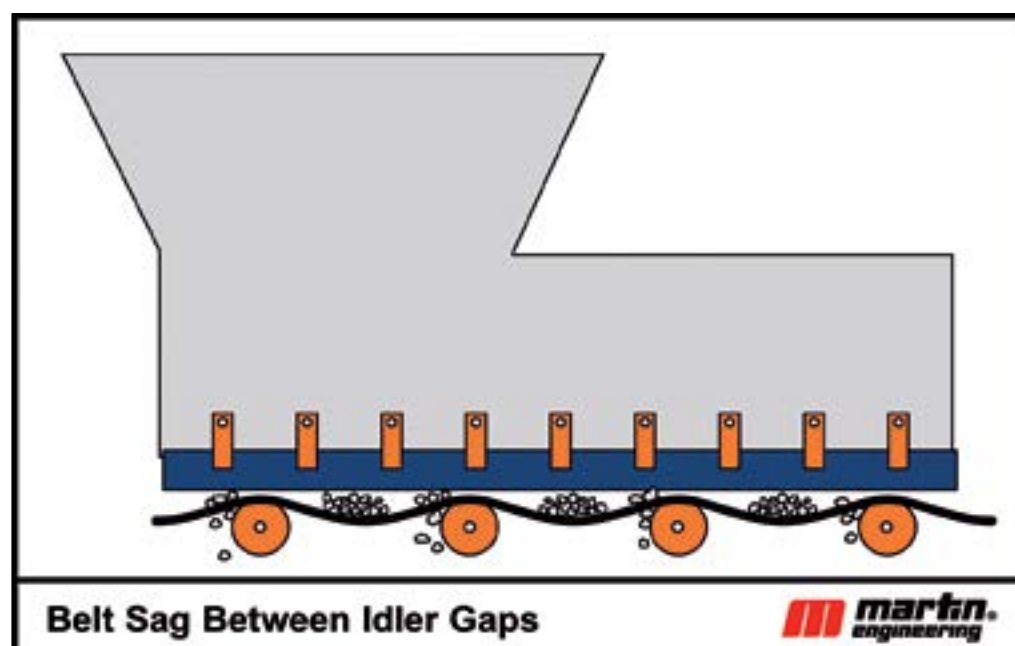
- **Dust** commonly uses turbulent air to escape at the transfer point. In some studies, working in a dusty environment reduces worker productivity by as much as 20%.[2] Combustible dust presents fire and explosion hazards, along with health and safety risks. A *modular transfer point kit* creates a loading zone, settling zone, and stilling zone, separated by curtains, that control air flow and allow dust to settle back into the material stream.

- **Carryback** refers to fine material that adheres to the belt surface or gets trapped in imperfections after passing the belt cleaners. At the discharge and along the belt's return path, this material falls beneath the system, generating dust and accumulating, sometimes encasing the belt and rolling components.

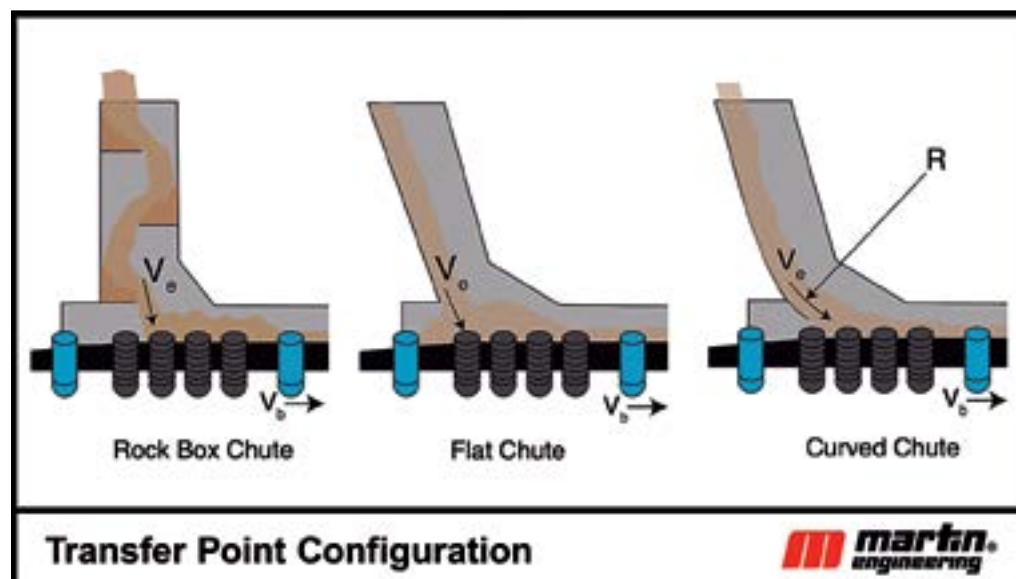
Best practices

A common production “upgrade” is to increase the speed of the belt. Fugitive material problems are roughly proportional to the speed of the conveyor (or tonnage). If the belt speed is doubled, the fugitive material problem and cost of operation (clean up, maintenance, equipment replacement, etc.) may also double.

There's an old adage: *you can't fit 5lbs in a 1lb bag*. Careful consideration must be given to capacity calculations, the angle of belt incline,



Worn or inadequate skirting and wearliners can allow material to escape.



Transfer point chute design with curved and centered loading controls splashing and turbulent air flow, allowing dust curtains to be more effective.

transfer point design, and access for cleaning and maintenance. To enhance control of fugitive materials, it is advisable to derate the capacity to 80-90% of the theoretical capacity and employ slower belt speeds. Loading at an angle of less than 5 degrees and reducing the incline will help minimise flooding and material rollback at the tail.[3]

Designing a longer and taller skirtboard enclosure with dust curtains will help control airflow and dust emissions. Access for cleaning and maintenance can reduce downtime by 33% and significantly decrease exposure to hazards. If future capacity increases are likely, they should be planned for in the initial design.

Conclusion

Managing fugitive material is a more economically and operationally sound choice than merely chalking it up as “the cost of doing business.” The effect that spillage, dust and carryback have on an operation is a tangible reminder of unnecessary inefficiency. By working with experts and installing modern solutions to age-old conveyor problems and practicing state-of-the-art maintenance, operators can significantly improve safety in the workplace and dramatically reduce the cost of operation.

www.martin-eng.com

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Case Study – Western Brazil

A bulk handling operation in Brazil, located near a resort area, was facing public outrage due to dust and spillage that were staining the beautiful sandy beaches a deep red. The mill was confronted with daily fines and the risk of closure if the issues were not resolved.

The main focus was on repairing transfer points, replacing idlers, and alleviating some of the most significant material flow bottlenecks.

The benefits were numerous. Spillage decreased from 2.8% to 0.8% of tons conveyed, idler life increased by 30%, belt life improved by 25%, and safety incidents and near misses were dramatically reduced.

Operators noticed that most complaints shifted to the need to mow the grass that grew back underneath the structure.

However, the most significant benefit was the improvement in conveyor availability, enabling a 33% increase in production without expanding the raw material yard's receiving and storage capacity.



Grass started growing again under the primary raw material supply belt after the dust and spillage were eliminated.

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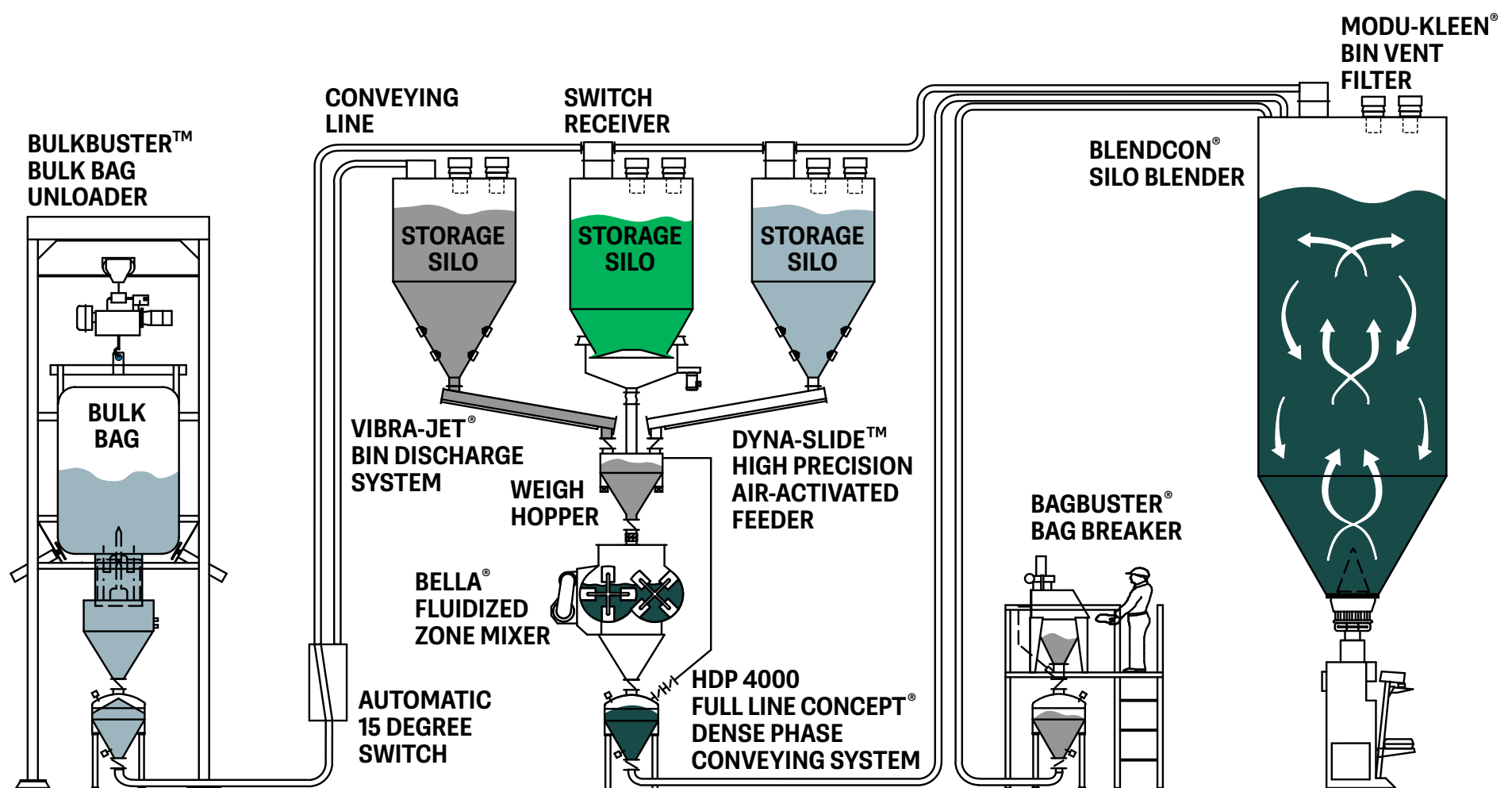
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