



Optimised Custom Material Handling & Processing Systems

www.summitdynamicsolutions.co.uk

Summit Dynamic Solutions can design and supply cutting edge pneumatic conveying systems which are tailor made for your industry. These systems can gently handle granules, flakes and powders in a raw material state and as a final product. We can achieve this by utilising both dense and lean phase conveying techniques to ensure that your products are handled with care. Due to their modular design, pneumatic and mechanical conveying systems can easily be modified if your production needs change. They free up valuable floor space around production equipment and being fully enclosed they reduce the risk of contamination.

Unleashing excellence since 1989.



**Fully
customised
systems**

We specialise in providing tailored solutions for material handling and processing systems across a wide range of industries, prioritising safety and operational efficiency. Contamination prevention remains a paramount concern across sectors.

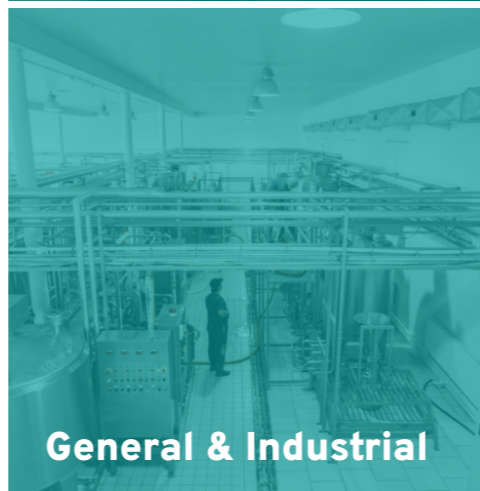
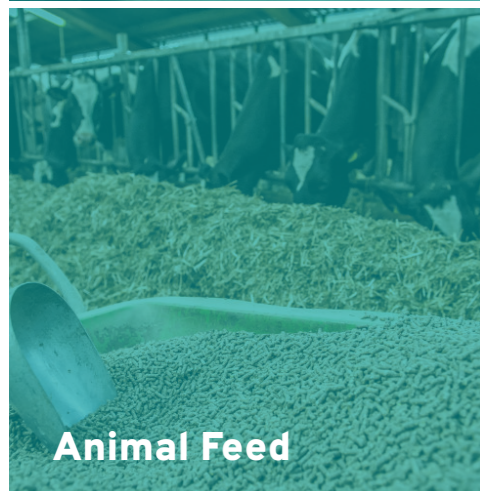
Through our technical expertise and commitment to detail, we engineer industrial systems designed to minimise the risk of contamination. Adhering to stringent control standards, we guarantee that the production process is flawless and aligns with safety regulations required of your industry.

Driven by a commitment to innovation, we offer advanced solutions tailored to address intricate challenges, delivering state-of-the-art systems and technologies to optimise efficiency and minimise waste. Moreover, we recognise the significance of sustainability, integrating eco-conscious technologies and practices to lessen the environmental footprint of production processes.

Our comprehensive service goes beyond simply supplying the plant. We offer in-depth consulting to understand each client's specific needs and develop customised solutions. Furthermore, we provide assistance during installation, commissioning, and dedicated post-sales support.

By relying on our customised industrial plants, you can confidently tackle the challenges of your industry, ensuring quality, safety, and sustainability in your product manufacturing. Contact us today to start a successful partnership and receive a solution tailored to your unique needs.

Industries



Fully customised systems

www.summitdynamicsolutions.co.uk

Powder Processing Plant



Fully customised systems

www.summitdynamicsolutions.co.uk

Products

Flexible Screw Conveyors

Screw conveyors, also known as auger conveyors, are essential mechanical systems used to transport bulk materials efficiently. These conveyors consist of a rotating helical screw blade, or flighting, enclosed within a tube or trough. The rotation of the screw moves the material along the conveyor's length, making it suitable for various applications in industries such as agriculture, food processing, and manufacturing. Their versatility is a key feature, as they can handle a wide range of bulk materials, including grains, powders, granules, and semi-solid substances, and can operate horizontally, inclined, or vertically depending on specific process requirements.

The enclosed design of screw conveyors offers significant advantages by minimising dust and spillage, which is particularly beneficial when dealing with dusty or hazardous materials, thereby ensuring a cleaner and safer work environment. This design also protects the transported materials from external contaminants, crucial for maintaining hygiene in industries like food processing. Additionally, screw conveyors are known for their ease of maintenance due to their simple design with fewer moving parts, which enhances their durability and reliability. These characteristics make screw conveyors a popular and effective solution for bulk material handling across various industrial sectors.

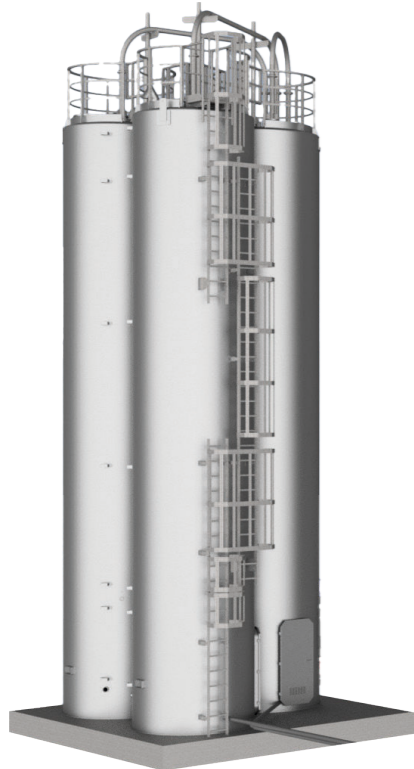
Silos

Our silos stand at the forefront of storage solutions, specifically engineered to meet the stringent demands of the multiple industry. Recognised for their exceptional hygiene and preservation capabilities, these silos are pivotal in maintaining the quality and safety of various materials.

The choice of silo model, capacity, and construction material is tailored to the specific needs of the raw material being stored, taking into account factors such as moisture content, granularity, and sensitivity to temperature variations. Each silo is designed with a focus on ensuring optimal conditions for material storage, thereby extending shelf life and preserving freshness.

Ease of access is a key feature of our silos, with strategically designed openings that facilitate not only the filling and discharge of contents but also the routine inspection and cleaning. This design consideration ensures that maintenance and sanitation processes are straightforward and efficient, minimising downtime and enhancing operational productivity.

Our silos embody the pinnacle of storage technology, offering a bespoke solution that prioritises the integrity and safety of your material. Trust in our silos to deliver unparalleled storage performance, keeping your products in pristine condition.



Product Receiving Bins

Our product reception bins are meticulously designed to facilitate the initial stages of material processing, ensuring that raw materials are stored under optimal conditions immediately upon arrival. These tanks are an essential component of the material handling system, providing a seamless transition from delivery to production.

Tailored to accommodate a variety of materials, from liquids to grains, our tanks are customised based on the specific requirements of the substance being stored. Factors such as viscosity, acidity, and susceptibility to oxidation are considered to determine the tank's material, size, and configuration. This customisation ensures the preservation of the product's quality, taste, and nutritional value, preparing it for further processing or direct packaging.



Weighing Systems

Our weighing hoppers are an integral part of precision measurement in the material processing industry, designed to combine efficient product handling with accurate weight assessments. These devices are crucial for ensuring consistent product quality and adherence to regulatory standards, making them indispensable for operations where precision is paramount.

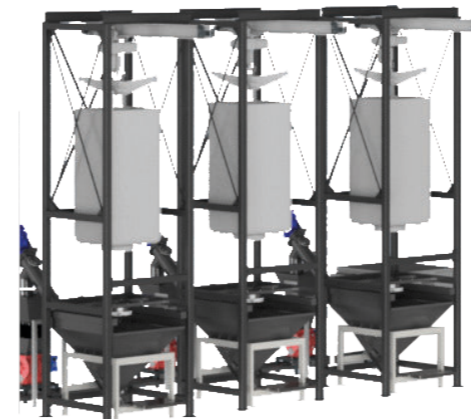
Configured to handle a diverse range of materials, from grains and powders to solids, our weighing hoppers are tailored to meet the specific needs of each application. The design considerations include the bulk density, flow characteristics, and handling requirements of the product, ensuring that the hopper facilitates smooth, efficient transfer while providing precise weight measurements.



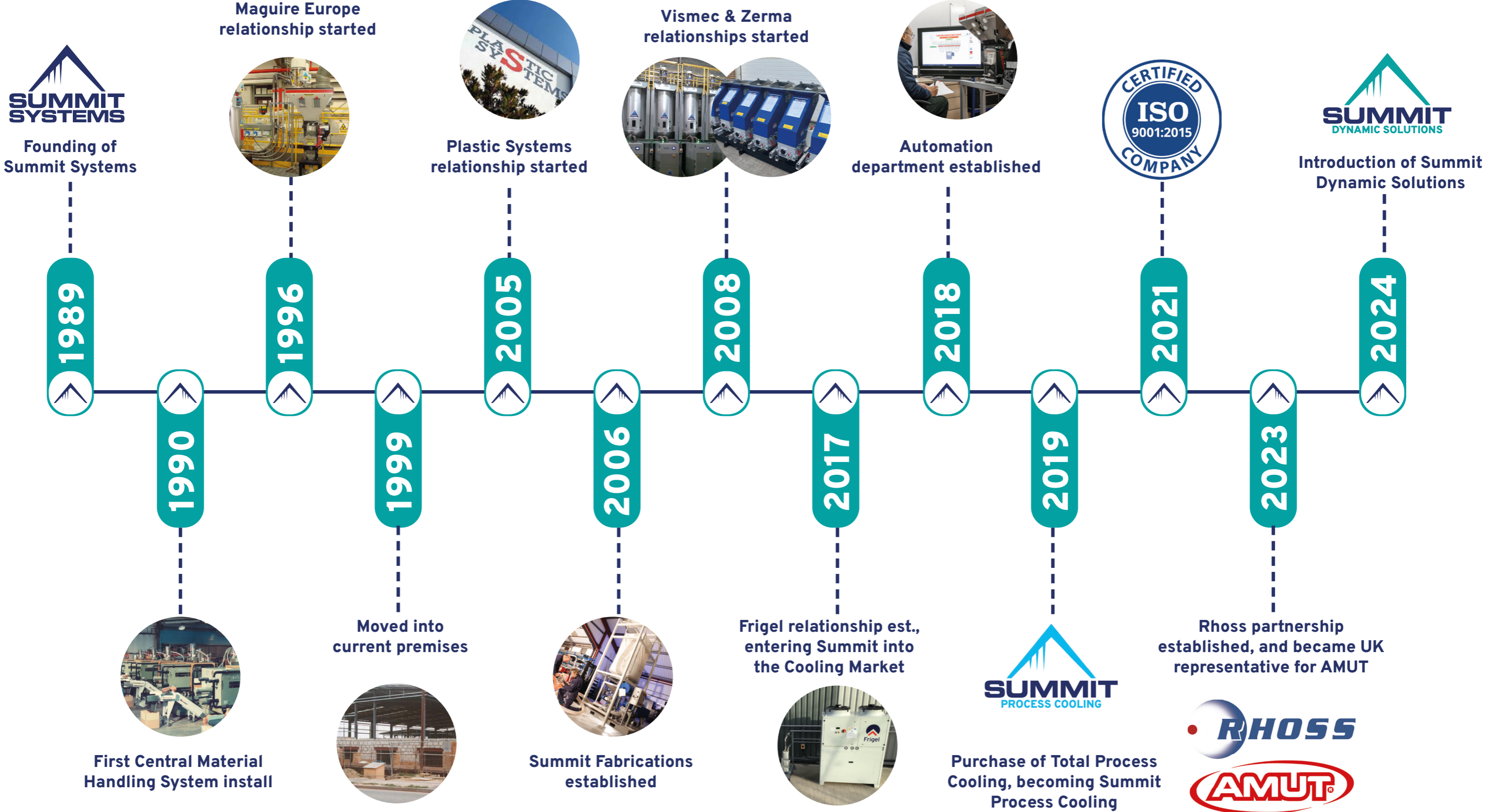
Big-Bag Discharger

Our Big-Bag dischargers are specifically engineered to provide a highly efficient and safe solution for the handling and discharge of bulk materials. These stations are designed to accommodate the unique requirements of most substances, ensuring that the integrity and quality of the product are maintained throughout the emptying process.

Featuring a robust design that can handle various sizes and weights of Big-Bags, our stations are equipped with features such as dust-free discharge systems and integrated vibration technology to ensure complete and efficient product release.



Unleashing excellence since 1989



Fully customised systems

www.summitdynamicsolutions.co.uk



Summit Dynamic Solutions, a recent addition to the Summit Group, lending its proven expertise from within the plastics industry to revolutionise material handling across diverse sectors.

Speak to the experts today

Supported by adept professionals and global suppliers, Summit Dynamic Solutions is committed to optimising material handling operations and fostering innovation for clients in all industries. By delivering tailored engineered solutions, we aim to meet the unique needs of each customer, ensuring efficient and effective outcomes.

+44 (0) 1827 265 800

www.summitdynamicsolutions.co.uk

info@summitdynamicsolutions.co.uk