



J-TEC

SNACKS & BAKED FOOD



OUR PEOPLE MAKE THE DIFFERENCE

J-TEC MATERIAL HANDLING

ABOUT J-TEC

WHAT WE DO

J-Tec Material Handling offers tailored material handling and process engineering solutions to key players in the chemical and food industries worldwide. Our expertise includes the design, supply, construction, and upkeep of processing systems handling powders, pellets, and liquids. Whether you need a single process line or a complete turnkey installation, we've got you covered.

A PERSONALISED APPROACH

Our unique strength lies in our personalised approach to each project. We don't believe in one-size-fits-all solutions. Instead, we carefully listen to our clients, leveraging our in-house expertise and tools to craft bespoke solutions for each project.

J-Tec is your dedicated partner throughout the entire process, starting from conceptual design to detailed engineering, procurement, manufacturing, installation, commissioning, and even training and maintenance if needed.

SUPPLIER INDEPENDENT

Working with J-Tec comes with the significant advantage of supplier independence. We understand that each project demands a custom approach, so we select vendors based on your specific requirements. This way, we can ensure the best solution for your tailor-made installation.

STRENGTHEN YOUR MARKET POSITION WITH CUSTOMISED ENGINEERING SOLUTIONS

At J-Tec, our unwavering focus on niche markets equips us with an in-depth understanding of our customers. This, in turn, empowers us to deliver highly tailored solutions and services across the entire project lifecycle.

This strategic approach yields numerous advantages, including heightened expertise, enhanced problem-solving capabilities, and a deeper comprehension of our customers' unique requirements.

J-TEC: PART OF KATOEN NATIE

Katoen Natie develops tailor-made logistic and engineering solutions for its customers' products. The combination of engineering, technology, logistics and semi-industrial activities result in strong concepts each time. J-Tec Material Handling is one of Katoen Natie's independent business units.

TURN-KEY PROJECT ENGINEERING EXPERTISE

With Katoen Natie's extensive experience and dedicated team, we offer comprehensive concepts that stand out. Collaborating with the Supply Chain Engineering business unit, we have the capability to execute complete greenfield projects, resulting in a one-stop-shop for our clients.

FOOD

The significance of product quality is escalating globally for consumers. It's evident that adhering to good manufacturing practices and preventing contamination is imperative in the food and beverage sectors.

J-Tec, a dependable partner, excels in HACCP expertise, diverse ingredient tracking methods, and collaborative efforts with EHEDG and 3A as per industry standards.

Our food engineers ensure the design and construction of customised solutions, upholding a stringent standard of hygiene, prioritising operator safety, and maintaining a balanced approach to OPEX/CAPEX—all while guaranteeing the anticipated process performance for our customers.



SNACKS & BAKED FOOD

Producing the finest quality snacks, whether they take the form of biscuits, crisps, cereal, pizza, or bread, begins with the artistry of preparing the perfect dough. Each snack becomes a distinct culinary creation through the addition of creams, flavourings, seasonings, or the indulgence of a chocolate coating.

Our seasoned engineers specialise in creating innovative concepts for the automated handling of key processes: storage, sieving, dosing, and blending of both dry and wet ingredients. Flour, starch, sugar, salt, yeast, oils, and fats are meticulously orchestrated to create dough and creams in a streamlined and sanitary manner. This approach not only ensures efficiency but also aligns with the most stringent hygiene and food safety standards, setting the foundation for the exceptional quality of the snacks we help produce.





STORAGE SILOS & RECEPTION TANKS

Raw materials (powders or liquids) may be intended for immediate use, but can also be stored in silos or other intermediate facilities before being used for production. Depending on your product's needs, these facilities can be equipped with additional features such as insulation or dry air blanketing for the conditioning of the stored products like drying, cooling, heating and more.





It's not just cookies and cakes that are on the menu! Our team specialises in designing and building fully customised product installations to bring your breakfast cereal visions to life.

From extruded shapes to filled varieties, we offer innovative solutions to suit every cereal creation.





DISCHARGING

The discharging of materials is an essential step in almost all process handling applications. Various delivery methods exist for raw materials, including Big Bags®, bags, drums, bulk trucks, containers, or octabins. At J-Tec, we possess the expertise to efficiently handle these materials, providing tailored solutions for the discharging of your raw materials.

MILLING

Particle size reduction is often an integral part of process flows. We offer a spectrum of solutions ranging from dosing to heavy-duty crushing and micronising.

MIXING

Utilising diverse mixing technologies and expertise, J-Tec ensures the production of homogeneous and uniform finished products by the conclusion of the mixing process.





TURNKEY GREENFIELD PROJECT EXECUTIONS

DESIGN & BUILD PLANT LAYOUT

J-Tec's dedicated in-house design department has an array of specialised skills and state-of-the-art facilities to design and build entire process plants. In collaboration with Katoen Natie's business unit 'Supply Chain Engineering', we have the capability to tackle ambitious greenfield projects from inception to completion.

Our use of cutting-edge 3D technology revolutionises the way we approach plant layout and construction. This tool allows us to visualise and assess the ever-evolving dynamics of personnel, product flow, and waste management well before the physical plant construction begins.

Moreover, our 3D technology plays a crucial role in facilitating the qualification and validation phases, including Installation Qualification (IQ), Operational Qualification (OQ), and Performance Qualification (PQ).

J-TEC TEST LAB

J-Tec's test facilities offer a multitude of research possibilities for your products. The main goal of these facilities is to offer you the opportunity to simulate real-life situations in order to ensure new installations and processes will function as planned.

Our R&D facilities, located at our headquarters in Kapellen, Belgium, are at your disposal in order to find the most appropriate solutions for your requirements. We make sure that your product is handled in the best way possible and that your investment will pay off!

INSTALLING

An installation has to be build exactly according to plan. J-Tec has Lloyd's SHE (Safety, Health & Environment) certification, which guarantees the highest level of quality and safety.

We also meet the requirements of the Safety Checklist for Contractors (SCC), ISO 9001 and ISO 45001 in order to support the business in working effectively, efficiently and safely. Our SCC certificate has registration number 650830.






COMMISSIONING & START-UP

Over the course of several years, our team of highly experienced commissioning engineers has built up a wealth of invaluable hands-on expertise of a wide spectrum of key equipment types and brands within your industry. Our primary objective is to ensure the seamless commissioning of your process line, testing each component's performance in strict adherence to the initial design specifications before officially handing over the completed installation.

Our commitment extends beyond the mere commissioning process itself; we meticulously manage our timeframes, ensuring that all equipment is commissioned accurately and promptly, aligning with your project schedules.

Additionally, as we recognise the importance of specialised training to maximise the effectiveness of your staff in operating and maintaining the equipment, we also offer training where needed.

In our pursuit of excellence, we go the extra mile by proactively preparing for potential installation and process optimisations. Our proactive approach ensures that any opportunities for enhancing system efficiency and performance are identified and addressed.



Experience the pinnacle of snack production expertise with J-Tec Material Handling. Our seasoned team of engineers uses their highly specialised knowledge and skills to design fully customised installations for your snack production lines. From savoury cookies to extruded snacks and crisps, trust us to design and build installations that optimise efficiency, quality, and flavour, ensuring your products stand out in the market!

WWW.J-TEC.COM

INFO@J-TEC.COM



J-Tec Material Handling HQ

Lieven Gevaertstraat 11
B-2950 Kapellen
Belgium
+32 3 660 51 11

Gomez Madrid Soluciones Industriales

Av. Jaume I, 39
46450 Benifaió, Valencia
Spain
+34 961 78 17 75

J-Tec Material Handling USA

10925 SH 225
La Porte, TX77571,
USA
+1 281 470 5488

J-Tec Material Handling Asia

22 Phangmuang Chapoh 3-1 Road Tambol
Huaypong, Amphur Muang, Rayong 21150
Thailand
+66(0) 38 643 211