



J-TEC

SPECIALISED NUTRITION



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 SAFETY

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.





SPECIALISED NUTRITION

In the world of specialised nutrition, where every nutrient is vital for healthy growth and development, we stand by your side, offering validated process solutions that exceed the most stringent food safety standards. Our dedicated engineers specialise in designing and constructing solutions tailored to every step of the production process.

From ingredient manipulation to precise dosing, thorough blending to meticulous sieving, and reliable sampling, our solutions are designed with a singular focus: preserving the nutritional integrity of the product.

Whether you're producing for local markets or global distribution, trust J-Tec to be your partner in ensuring that every product is filled with the essential nutrients needed for healthy growth and development. Nothing is more precious than our health and well-being!

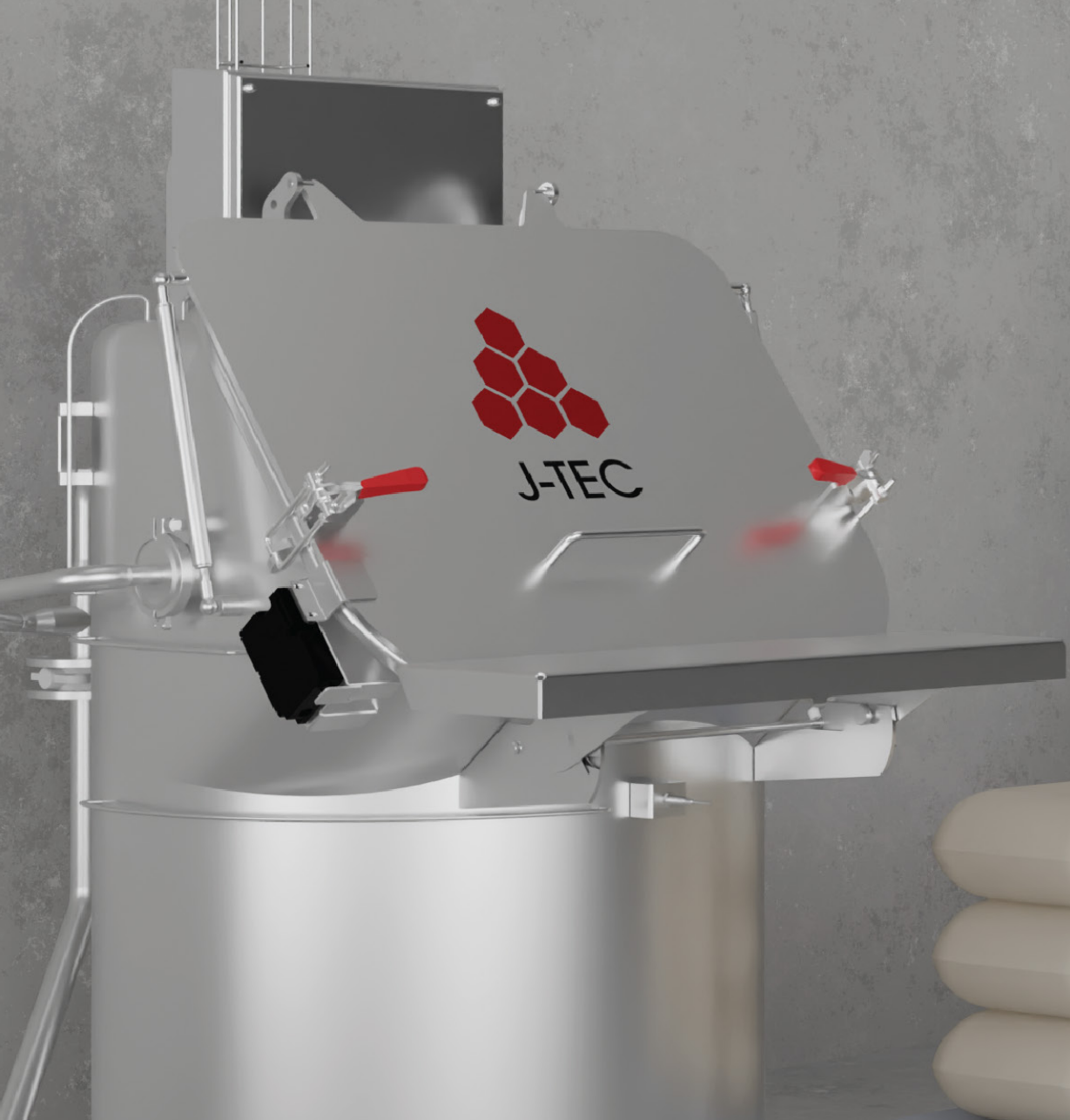
With J-Tec, embark on a journey where innovation meets reliability, and where your specialised nutrition production solutions are designed and built with care and precision. Let us empower you to nourish lives and make a difference in the world of health and wellness.

INFANT NUTRITION

When it comes to nurturing the youngest members of our society, precision and care are non-negotiable. At J-Tec, we understand the delicate balance required in handling powder for baby and infant formula production. It's not just about adhering to stringent food safety and quality standards; it's also about preserving the vital nutritional value these products offer. The first three years of life are crucial for laying the foundation of lifelong health, and infants rely on us to provide them with the essential nutrients for healthy growth and development. With a dedicated commitment to cleanliness and contamination prevention, we ensure that each batch meets the highest standards, safeguarding the health and well-being of the little ones who depend on our products.

But our commitment doesn't end there. As infants grow and develop, their nutritional needs evolve, requiring continued attention and precision. Our solutions are designed to adapt to these changes, providing safe and nutritious options to support their ongoing growth and development, ensuring that our little ones receive the nourishment they need to thrive.







TODDLER NUTRITION

As toddlers transition from infancy to childhood, their nutritional needs evolve. At J-Tec, we recognise the importance of adapting to these evolving requirements. Our solutions are designed to cater to the unique needs of this transitional stage.

Our dedicated team designs and constructs production installations tailored specifically to address the unique demands of toddler nutrition. From the intricate handling of specialised infant cereals to the implementation of cutting-edge processing techniques like extrusion or drum drying, we engineer comprehensive solutions that ensure optimal product quality and nutritional integrity.

At J-Tec, we take pride in our contribution to nurturing the health and well-being of the next generation, and we remain dedicated to pioneering solutions that make a difference for our many customers, and their customers, worldwide.



SPORTS NUTRITION

In sports nutrition, where the pursuit of peak performance is key, J-Tec stands at the forefront of innovation. We understand that for professional athletes and fitness enthusiasts alike, achieving optimal performance and efficient recovery hinges on more than just physical training—it requires meticulous attention to nutrition. That's why our solutions are engineered to support the production of sports nutrition products that elevate endurance, enhance strength, and optimise overall athletic performance.

Central to our approach is a commitment to uncompromising quality. We recognise that in the competitive world of sports nutrition, every ingredient, every dose, and every blend must meet the highest standards of excellence. That's why our solutions prioritise precision, ensuring that each component is accurately measured and carefully blended to deliver the optimal nutritional profile desired by athletes at every level.

But our dedication to quality goes beyond mere precision. At J-Tec, we believe that true innovation lies in our ability to anticipate and adapt to the evolving needs of the sports nutrition industry. That's why we invest heavily in research and development, constantly pushing the boundaries of what's possible to create solutions that not only meet but exceed the expectations of our clients.





NUTRACEUTICALS

Nutraceuticals, on the intersection of nutrition and pharmaceuticals, offers a gateway to enhanced health and well-being. With their unique ability to provide health benefits beyond basic nutrition, they represent a burgeoning sector within the broader health and wellness industry. From essential vitamins and minerals to specialised herbal supplements, the potential of nutraceutical products to support and optimise health outcomes is vast and ever-expanding.

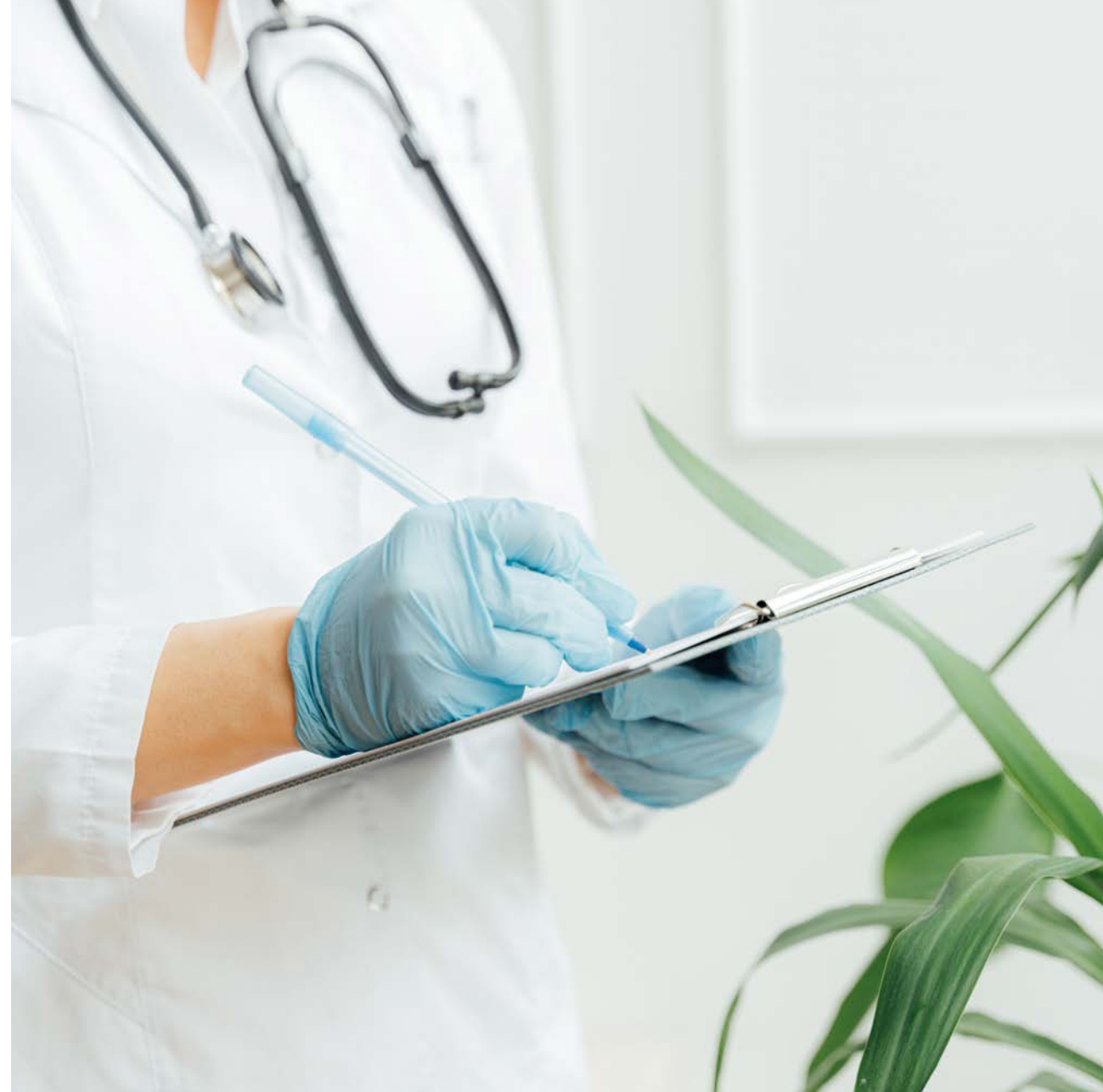
At J-Tec, we understand that the efficiency of nutraceuticals lies in their precise formulation and delivery. That's why our process solutions are meticulously engineered to ensure the accurate dosing of even the tiniest amounts of ingredients. With a focus on high accuracy and uncompromising quality, we empower our clients to create nutraceutical products that not only meet but exceed the expectations of consumers seeking optimal health and vitality. Central to our approach is a commitment to innovation. We recognise that in the fast-paced world of nutraceuticals, staying ahead of the curve is essential. That's why we invest heavily in research and development, continuously exploring new technologies and methodologies to enhance the effectiveness and efficiency of our solutions. By pushing the boundaries of what's possible, we enable our clients to unlock new opportunities for product development and market expansion.



MEDICAL NUTRITION

Medical nutrition products play a pivotal role in managing health and promoting well-being for those facing unique challenges. At J-Tec, our expertise in process solutions ensures that every step of the production process is designed to meet the highest standards of quality and efficiency, along with a commitment to high-end quality. We understand that for individuals relying on medical nutrition products, every dose matters. That's why our solutions prioritise precision and consistency, ensuring that each product meets the exacting specifications required to support optimal health outcomes. Whether it's transporting dry materials in bulk via big bags or through a bag dumping station to a high shear mixer (HSM), every aspect of our process is carefully calibrated to deliver excellence.

But our dedication to quality goes beyond just precision. Our solutions are engineered with a focus on reliability and risk mitigation, incorporating robust quality control measures to safeguard against contamination and ensure product purity. We understand that the needs of individuals requiring medical nutrition products are diverse and complex. That's why our solutions are designed to be versatile and adaptable, capable of meeting a wide range of dietary needs and medical requirements. Our team of experts works closely with our clients to tailor solutions that address their unique challenges.





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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.



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