



## Building a Future with Technology and Craftsmanship

Emmepi Group is a leading manufacturer and developer of integrated product flow systems to the corrugated industry, with machinery ranging from handling, strapping, wrapping, peripherals to state-of-the-art robotics. Emmepi Group operates across nine European locations focussed on producing various automated handling systems including rotating roller conveyors, pre-feeders, palletisers, robots for folder-glueurs and die-cutters, stackers with vacuum conveyors, pallet inserters, wrapping machines plus other ancillary equipment. This broad product range coupled with a proactive service offering, ensures a turnkey made-to-measure solution to service today's market demands.

### Two-Level Finished Goods Line

Emmepi Group is proud to be pioneers of a two-level finished goods line concept. This solution enables customers to make the most of available space, as the pallet warehouse is situated on a new, mezzanine floor level. Many

customers with ample space even opt for this arrangement since it promotes a more streamlined workflow. The clamp retrieves the

pallets from the mezzanine floor and deposits those pallets onto the ground floor; where, after being precisely centred by a pusher system, they are then positioned under the stack, ready for distributing.

This innovative new system optimises spatial efficiency and enhances the overall productivity of most packaging processes. By elevating the pallet storage area, there is more space created for other converting machinery within the ground floor footprint. The system is designed to be flexible and adaptable, ensuring that it can meet all the varying needs of our customer's diverse requirements.



### Virtual Reality Systems

Emmepi Group has designed a corrugated virtual reality (VR) environment, which truly allows customers to ‘move inside the box’. This ground-breaking service has been created to assist customers who are wanting to understand the benefits and impact of a modern materials handling system on their existing packaging lines. The VR system is a recreation of a finished goods line featuring an automatic motorised cart, switches, conveyors, rollers, palletising machines, turntables, strapping machines, duplicator and wrapper. This enables individual customers to explore their future operations – in advance of making a significant

investment – from a perspective that closely resembles that new reality: a non-stop, fully automated production flow system.

This innovative VR approach not only highlights Emmepi’s technological capabilities and the future benefits of investing in its devices, but also transforms the way they engage with customers and partners in the future. By offering this complete immersion in a virtual replica of a production line, they provide a first-hand experience of the technology, innovation, attention to detail, all in advance of your main investment, giving you peace of mind that the layout you have chosen is the perfect fit for your factory’s needs.

As this VR pathway is developed, Emmepi envision a platform where servicing, equipment manuals, system training, troubleshooting and interactive demonstrations become the norm.

### Robotics

The benefits of integrating robots into the corrugated packaging industry are vast and transformative. Firstly, robots enhance efficiency by performing repetitive tasks with precision and speed, leading to increased production rates and reduced human error. This automation allows human workers to focus on more complex and creative tasks, fostering innovation and job satisfaction.



#### HANDLING DIVISION

Our machines:  
**AUTOMATIC TRANSPORTATION** systems  
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**PALLET INSERTERS** centre  
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**AUTOMATIC WIP**



#### ROBOTICA DIVISION

Our machines:  
**PALLETIZER** for casemaker  
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**PALLETIZER** for folder gluer



#### STRAPPING DIVISION

Our machines:  
**VERTICAL AUTOMATIC STRAPPING MACHINES** for sheets and for pallets  
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**AUTOMATIC STRAPPING JOGGERS** and for folder-gluer



#### PERIPHERAL DIVISION

Our machines:  
**PREFEEDERS** top and bottom print  
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**PALLETIZERS** fully and automatic palletizers  
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**STACKERS** and vacuum stripper



#### WRAPPING DIVISION

Our machines:  
**RING** wrapping machines  
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**ARM** wrapping machines



Robots contribute to improved workplace safety, as they can handle heavy lifting and can operate continuously, optimising production schedules and reducing downtime. Furthermore, the adaptability of robots enables them to handle a variety of packaging sizes and shapes, ensuring versatility in production lines.

Emmepi Group has designed a new robotic palletiser with an innovative clamping system which can palletise virtually every type of box coming off today's modern folder-glueers and casemakers. The clamp picks up the bundles by using either a mechanical blade solution or via a vacuum system or a combination of both. Customers have the flexibility to set and change these settings on the fly. The robot undertakes stack squaring and sheet inserting (bottom, middle and top) and handles rapid format changeovers. The advanced software systems that is embedded in the robotics intelligently manages the pallet stacks to immediately maximise space on the pallet and in the longer term, by using the data collected, provides valuable insights into production processes and to facilitate continual improvements.

By integrating robots into the process, companies can achieve significant cost savings as well as increased output, alongside notable waste reduction. Ultimately, the use of robots in the packaging industry not only elevates operational efficiency but also paves the way for a future where technology and human ingenuity work hand in hand to create smarter, more resilient production environments.



Through these initiatives Emmepi aim to redefine industry standards, promote continuous improvement and better satisfy the evolving needs of customers. As they pave the way for a more interactive and dynamic future, Emmepi invite you to join them in exploring the possibilities of our offer. "Whether you're a current partner or are new to our product

and service offerings, we are eager to demonstrate the unparalleled quality and expertise that Emmepi Group brings to the table. Together we can build a future where technology and craftsmanship seamlessly blend to create superior packaging solutions that exceed our customers' expectations," said Alessandro Bersanetti, President. [www.emmepigroup.com](http://www.emmepigroup.com)