

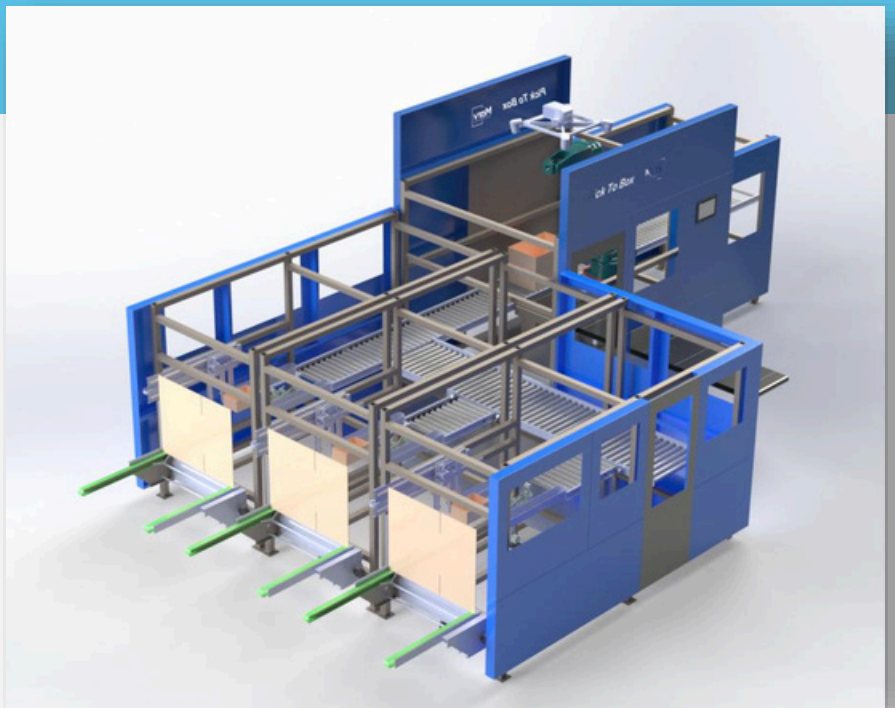


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SmartPack AI

The Future of Automated packaging



SmartPack AI

Intelligent Packaging, Maximum Efficiency

Introducing **SmartPack AI**, the cutting-edge packaging solution that revolutionizes the way products are boxed and shipped. Using state-of-the-art **3D point cloud recognition technology**, SmartPack AI automatically determines the exact dimensions of the items to be packed, ensuring the most efficient and precise packaging process.

How It Works

1. Automated Box Selection & Positioning

- Up to three case erectors (customizable in number) are loaded with different box sizes.
- The system selects the most suitable box, which is then transported and positioned next to the robotic arm for packing.

2. 3D Object Recognition & AI-Powered Robotic Handling

- A high-precision 3D camera scans and detects the dimensions of the objects.
- The system instantly identifies the optimal carton box size, minimizing empty space and reducing material waste.
- SmartPack AI communicates with an AI-driven robotic arm, powered by Siemens PickAI, to precisely grip and place items into the selected box.
- The AI algorithm ensures smooth and efficient object handling, adapting to different shapes and weights.

3. Automated Labelling & Sealing

- Once packed, the box is automatically labelled and sealed, ready for shipping.
- The system effortlessly integrates with manual or fully automated logistics workflows, enabling direct connection to conveyor belts or sorting systems.

Why Choose SmartPack AI?

- ✓ **Optimised Packaging** – Minimizes void space and reduces shipping costs.
- ✓ **AI-Driven Precision** – Ensures fast and accurate item placement.
- ✓ **Fully Automated Workflow** – From scanning to sealing, no manual intervention needed.
- ✓ **Sustainable & Cost-Effective** – Less material waste and improved operational efficiency.
- ✓ **Affordable & High-Performance** – Achieves outstanding efficiency at less than half the cost of more complex and high-accuracy solutions on the market, making it the perfect balance between performance and investment.

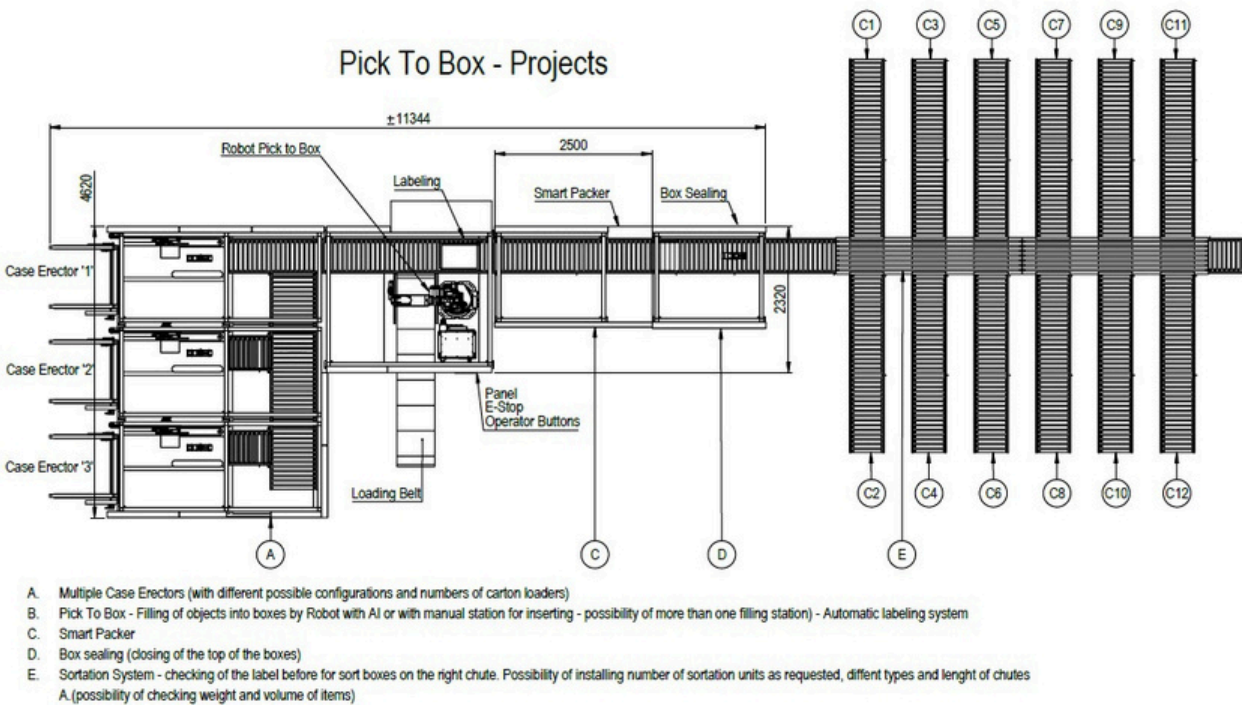


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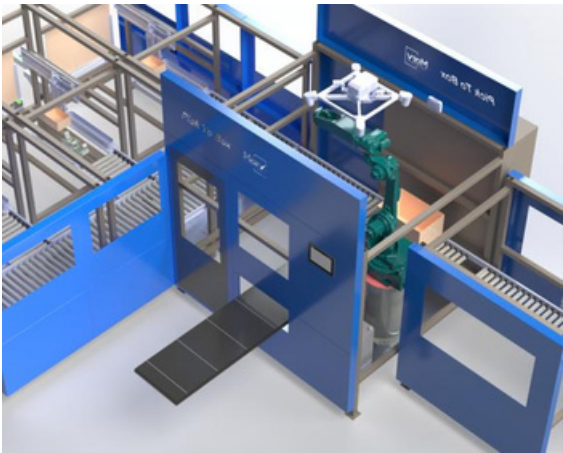


SmartPack AI

AI-Driven automation for the next generation of packaging



Take your packaging to the next level with SmartPack AI
The intelligent solution for smarter, faster, and more sustainable shipping.



TECHNICAL DATA		
Carton Box Dimensions (L x W x H)	Up to 600 x 400 x 300 mm	Optional 800 x 600 x 400 mm
Item weight (single item)	Min 100 g	Max 8 kg
PLC and Software AI	By Siemens	
Robotic arm brand	Recommended 'Yaskawa'	Optional other brands

Contact your BlueCrest Account Manager: info@bluecrestinc.com

BlueCrest is proud to offer MARV products as part of our comprehensive range of solutions to streamline your unique material handling challenges.



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