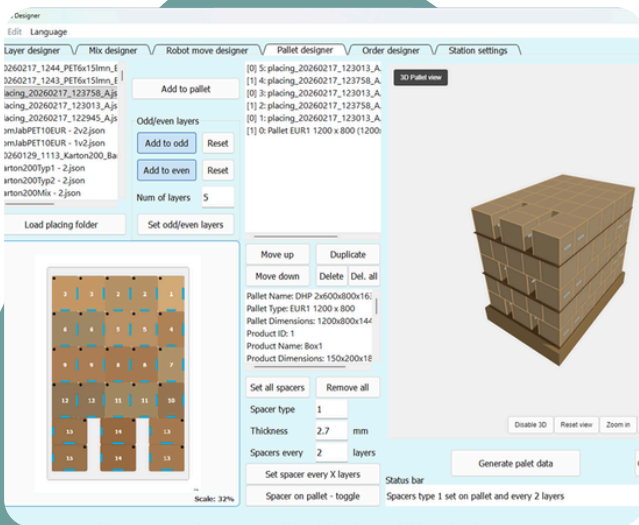


Pallet Designer

Configurator and data generator for (de)palletizing



What is it?

Pallet Designer is a complete environment for configuring palletizing and depalletizing processes. It consists of a desktop application and (optionally) a PLC/HMI extension, eliminating the need for manual layout analysis and machine reprogramming

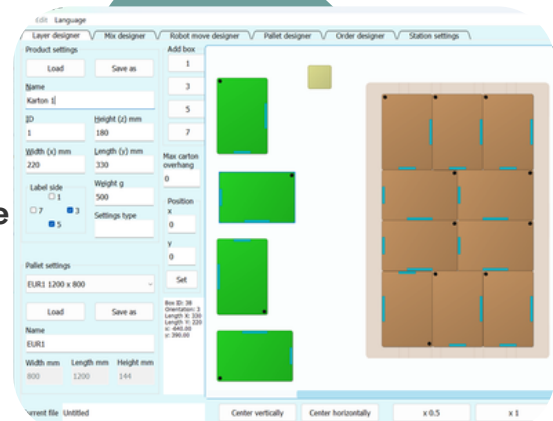
Design pallet → Upload data → Start machine

The entire process in under 3 minutes

Full pallet configuration with different layers, data upload to PLC, and machine start — **all in less than three minutes**

No simulation, no reprogramming, no testing from scratch

Project development support and a ready-made configurator for the end customer



How does it work?

1. **Configuring technological parameters (once per machine)** — based on this, the application determines available machine operations
2. **Creating pallet layers** — using a graphical interface
3. **Dividing into robot placements** — using an advanced algorithm or manually
4. **Building the full pallet** — a complete pallet is created from prepared layers, including parameter validation, slip sheet handling, and visualization for HMI preview
5. **Generating data for the machine** — as universal files or sent directly to the PLC/HMI system. On operator or system request, the machine starts immediately

More capabilities

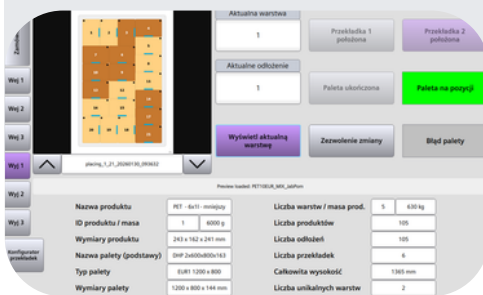
The system optionally supports product mixing and creation of complete production orders — simultaneously for multiple pick and place stations. Products can differ by type (e.g. flavors) while maintaining the same package dimensions

This is an in-house developed program that can be expanded or modified upon customer request



PLC/HMI integration

The PLC/HMI module includes ready-made program code (currently for Siemens), operator panel screens, and HMI scripts. The machine operator gets a visual preview of the currently executed layer and correction handling — all within a ready system, with no additional programming effort required for each layout



Who benefits?

Sales team

Quick layout analysis, feasibility and performance assessment — even during a live customer meeting

Engineers

Fast gripper and layout analysis without drawing in graphic software

Automation engineers

Ready program core, no recipe creation needed, fewer human errors, shorter commissioning time

Robotics specialists

Reduced workload in analysis and simulation, no need to program layouts, consistent methodology

End customer

Independent palletizing configuration without integrator involvement (competitive advantage for the integrator)

Ready to deploy?

Pallet Designer reduces the time needed to prepare and commission palletizing stations, minimizes errors, and expands the offer with a ready, reliable configurator for the end customer. Ready to deploy. Starting today

Contact us:

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