Pallet Optimization Software
*pal*OPTI® 4.x

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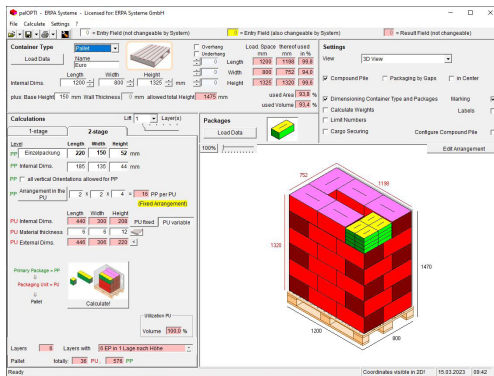
Software and System Solutions
for the Packaging Industry

The storage space optimization software *pal*OPTI® is used to calculate optimal packaging sizes for maximum sorted utilization of fixed volumes. Vary packages of different sizes, weights and shapes (square or round – with dimensions specified by you) in cuboid container types such as pallets, pallet cages, trucks or containers. Create packing schemes for your shipping department or for your customers. Reduce transport and packaging costs and contribute to climate protection by minimizing CO_2 emissions through storage space optimization with *pal*OPTI®.

Individually Adaptable, Exact Analysis in 2D and 3D

Import, edit and save container types, package data, outer packages and other preferences imported from any data file, e.g. server file

Consideration of base height and wall thickness, allocation of substructure or overhang of the container type

Selection options regarding composite stacking, „gap-packing", stand direction of the primary package, dimensioning

Individual color configurations, reset functions for company-specific standard input values

Optional weight calculation of packaging unit and container type

Insertion of stability-enhancing intermediate layers into the packing solution

Move packages manually and save manual changes

Units of measurement metric or imperial, decimal places variable

Calculation of girth size, warning if lengths and weights are exceeded

Quick Orientation due to Easy-to-use Functions and Detailed User Guide

6-component help-kit: Installation manual, quick reference guide, tool tips, status line guide, extensive HTML-help system, and online support

Immediate graphic display of calculation results – no waiting!

Display help for package colors to easily identify orientation of turned cases

Automatic backup of the packing configuration last analyzed

Easy-to-use and clearly arranged functions in one single window

Display of Packaging Labels

Place up to 4 labels on each face of a primary package, packaging unit and container type (crate, carton or pallet)

Choose size, color and position

Display on individual package, also as chart within packaging instruction

Configure and save labels, to be used for further projects

Best Possible Overview of Optimized Solutions

Continuous visualization of chosen container type and storage space

Simultaneous display of several optimized packaging solutions

Report of storage space, utilization of area and volume

Visualization of hidden layers due to lift-function and detailed views

Sensitivity analysis calculates impact of minimal variations of package size on package numbers

Individual rearrangement of package layers

Highly Adaptable Outputs Yield Various Possible Applications in Your Company

Individual design options for the packing instruction and its elements regarding position, size, contents, and format (e.g. b/w, coloured, font), up to 6 pages, page numbers can be displayed

Detailed exploded view (packaging assembly)

Calculated information for packaging instruction to be selected individually

Output on a printer or to different file formats PDF, BMP, JPG

Output of results in: D, GB, F, NL, PL, E, I, SK, RO, CZ

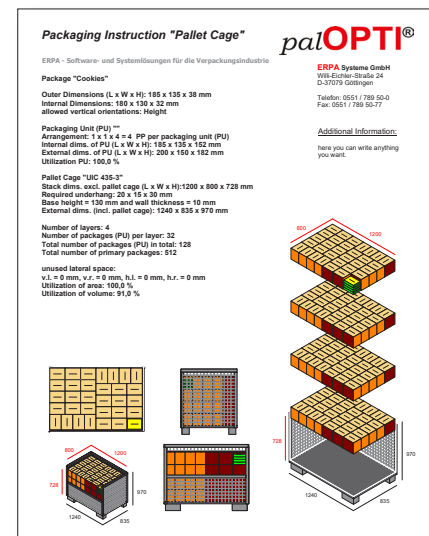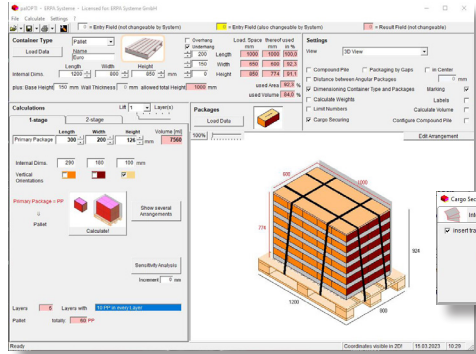## 2-step Analysis: Further Analysis and Optimization Potentials

Optimal coordination of individual packaging and covering boxes

Variable arrangements of primary packages

Optimization of the covering box for a given primary package and arrangement

Inclusion of material additions

Choice of covering box from a specified quantity of storage boxes

Transfer of data from the calculation from 2-step to 1-step

Exact specification of the quantities for packages and layers

Operating System: Windows 10 / 11, Windows Server 2012 / 2016 / 2019 / 2022, Processor: Intel Pentium 1 GHz or higher, 32- or 64-bit architecture, Screen resolution: 1152 x 864 pixels with small Windows fonts (96 dpi) or higher (then large Windows fonts possible - 120 dpi); recommended: 1280 x 1024 pixels. Free hard disk space: ≥ 80 MB

*pal*OPTI® Modules

Adapt your 1- or 2-stage *pal*OPTI® version optimally to your needs: Optional modules are available for our pallet optimization software *pal*OPTI®, with which you can individually supplement your program. In addition, *pal*OPTI® is also available as a network license, which allows you to use the program throughout the network of your company location.
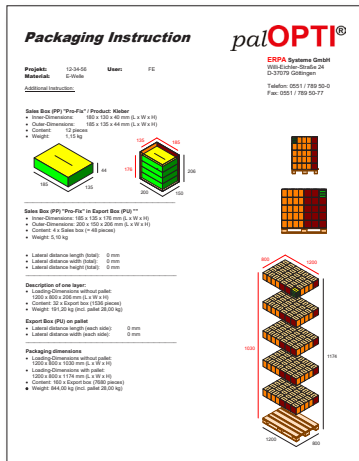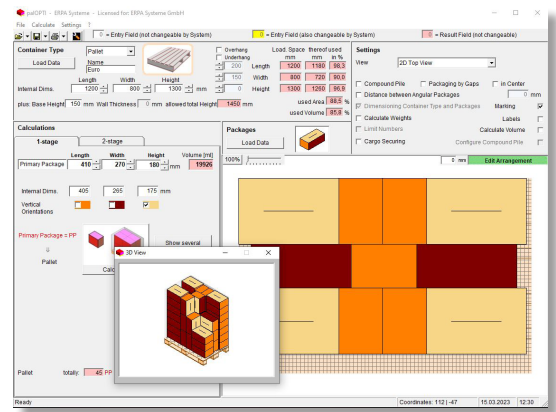

Module „Cargo Securing"

Insert edge protectors, strapping, pallets, pallet trays and lids, intermediate layers or cover boards into your packing instructions to optimally secure your load.

Exploded view for simplified view of complex packing arrangements.

Module „Manual Arrangement" for 1-Step Analysis

With the manual arrangement, you can add packages in any orientation. orientation. You can move, insert or delete them individually, in a stack, as an entire layer or as a complete arrangement, etc. In this way, you can also create packing schemes according to the wishes of your customers.

In this way, you can also fill gaps in the packing arrangement with packages in a different orientation in order to make the best possible use of the space in the container or on the pallet.

Module „Extended Layout"

The new module "Extended Layout" allows you to make the output of the data created by *pal*OPTI® even more individual.

By integrating an RTF (Rich Text Format) document and the possibility to use about 150 different variables, you have a variety of possibilities for an individual output tailored to your company.

At the same time, with the "Extended Layout" module, the tables for container types, packages and outer cartons are extended by 7 new individual fields for additional information.

Network License

A network license allows you to use *pal*OPTI® throughout the site's network.

New installations or updates (also customer-specific) of *pal*OPTI® only have to be done on the server, all users always work with the same current program version.

Separate operation of license server and application server (load balanced server) is possible.

Module „International"

Do not only use the different output languages of *pal*OPTI®, but also use the entire program in the native language of your employees, as well as at your international locations.

The following languages are included in the module: German, English, French, Polish, Italian, Spanish, Dutch, Slovak, Romanian and Czech.

www.palopti.com