

Pallet Labels Right at the Machine, Precise Quantities

on each pallet label as well as in stock

Increase Your Plant's Productivity with PC-Topp

- Reduce trim, improve corrugator productivity.
- Reduce work in progress and downtime due to lack of work with Pull Planning.
- React flexibly to production incidents and last minute schedule changes.
- Keep everybody informed on order progress and plant load.
- Connect Planning online to corrugator and conversion machines.
- Tight production control through instant feedback from production.
- Extensive production statistics, detailed production reports available instantly.



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The Experienced Scheduling System

Palletisation & Pallet Labels

SSCC Numbers

Correct Pallet Labels, Exact Quantities

Pallet Data Available to Warehouse System

Customizable Labels, Bar Codes, Logos

Pallet Data

Imagine each pallet bearing a label that shows its exact quantity, a database with the unique identifier of each pallet and its data: Everything becomes logical and easy! A barcode scan enters the pallet into the finished goods store, another scan as the pallet is loaded on a truck - effortlessly PC-Topp knows the quantity, tonnage and value in stock, the truck loading list with precise quantities can serve as the basis for invoicing.

- **Print Shipping Labels and Internal Pallet Labels Right at the Machine.**
- **Exact Quantities on All Labels, Automatic Calculation of Total Quantity Produced**
- **Pallet Data Available to Warehouse System or Enterprise Resource Planning (ERP) System**
- **Easily Determine Exact Quantity of Finished Goods Stock, Get Precise Shipping Lists etc.**
- **Fully Customizable Pallet Label Design**
- **Supports Complex Barcodes (SSCC Number), Logos, Windows Fonts, Scripting.**

PC-Topp.NET Palletisation

At the Machine Terminal, each pallet appears as a real-world object on the screen, showing all details like pallet type and size, and in particular the exact quantity on the pallet.



PC-Topp pre-fills that data automatically, so that in most cases the crew just needs to enter how many good products are on the last pallet, and is done with the order. But PC-Topp also handles special situations with ease, like when an order must be produced with **alternating high and low pallets**, or when more than just the last pallet have quantities that are different.

To ensure correct quantities, labels must be printed in real time, directly at the machine. PC-Topp automatically ensures that the right label is already waiting in the printer tray when it is needed.

Each pallet is assigned a **unique identifier** (its **SSCC number**) and gets stored in a database, the corresponding label also carries that identifier and establishes the link between the database and reality: No pallet without a label, and no record in the database without a matching pallet in real life.

Good Produced Quantity, Waste

At the machine, the operators don't have to enter the good produced quantity anymore: All they do is ensure that the quantities on the pallets reflect reality, and the total of the quantities on the pallets becomes the total good quantity of the order. In effect, **the finished goods pallets of an order define the quantity produced and delivered for that order!**

Warehouse Management

From the machine, each pallet can be handed over to an **automatized conveyor system** which thus also is aware of each pallet's ID and quantity (optional feature). At the entry into the finished goods storage, each pallet's label is scanned, and the receiving ERP system knows exactly what has gone into the finished goods stock.

A similar scan of each pallet leaving the stock (or being loaded onto a truck) makes the warehouse system aware of the flow of goods out of storage, and thus enables the system to **know at all times what is in stock**, complete with exact quantities, tonnage and monetary value.

Truck Loading, Delivery Note, Invoicing

It is almost too obvious to say explicitly, but of course the task of creating a correct loading list and delivery note is reduced to scanning the labels of the pallets that go onto each truck. And because that data is reliable, it can even be used as the **basis for precise invoicing**.

Label Printing Stations

Labels are printed in real time at the PC-Topp.NET Machine Terminal or at the Multi-Machine Terminal.

At the corrugator, the best option is to print directly at the stacker where labels are issued upon operator intervention or automatically using a signal from the stacker. Obviously, the system knows to print a shipping label for sheet orders, and internal labels for converted goods.

Alternatively, label printing stations are available to print at a central location, or in order to allow re-printing of lost or damaged labels. The **PC-Topp.NET Palletisation Terminal** even allows printing labels off-site or at subcontractors via Internet, or over a WAN.

Pallet Label Design

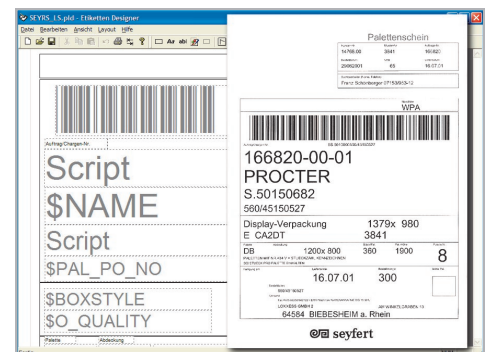
PC-Topp supports printing **labels with fully personalized design**. They can be printed in a variety of ways, including customer specific designs, complex barcodes (SSCC) and logos. Different label designs are used for internal labels and for shipping. And of course, PC-Topp automatically observes specifications like the number of labels per pallet, or customer specific layouts or stationery.

The standard PC-Topp system includes the software to print labels on HP LaserJet compatible laser printers, with custom coded personalized design supporting limited barcodes.

Windows Labeling System

The optional Windows Labeling System has a graphical design module with pre-programmed support for **complex barcodes** like the **SSCC code** required by many multinational companies, allowing the use of all **Windows fonts** and **bitmap graphics** for logos etc.

The design module is so **easy to use** that designs can be modified and created by your personnel. However, as part of the installation process we usually create one or several designs to enable an easy start-up of the system, and the design module is mostly used for minor design changes or the creation of a duplicate standard label with personalized modifications for a specific customer.



The label engine supports **scripting** (Windows Scripting Host calls), allowing the implementation of highly complex calculations and conditional elements.

Labels are printed using Windows printer drivers, so that any Windows printer can be used (direct network link via print server required). The Windows Labeling System fully integrates with PC-Topp, but will also print labels generated by other applications through its XML programming interface.