ICS INTELLIGENT & SECURE PACKAGING

Efficient packaging & shipping processes

„With ICS Intelligent & Secure Packaging we are able to perform fast and correct shipments and can satisfy current customer requirements like same day delivery."

ICS Intelligent & Secure Packaging is the solution for optimized, faster and secure packaging of your goods. Often there is very little time left for the packaging process due to the high order throughput.

The selection of the outer packaging is therefore not always suitable. If the cartons are too large, the transport security is created with unnecessary filling material and the overall costs are increased.

The shipping volume is not transparent and therefore the selection of the required vehicles cannot be planned exactly. This often leads to consignments not being dispatched with the planned transport, special transport being requested or the consignments being delivered late.

Too many packages produced and too large packaging also increase the handling effort.

The visual inspection and allocation of the packaged goods for the corresponding dispatch zone is very time-consuming at peak times with temporary staff and incorrect deliveries cannot be ruled out.

In the area of pallet formation, the best possible loading and product-specific positioning is a major challenge and leads to complaints.

WE ARE THE **SUPPLY CHAIN ARCHITECTS.**

Lieferschein

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LS - Nummer : 16030010

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Artikelnummer	Beschreibung	Menge
151/50	Faltschachteln länglich 74 x 45 x 192 - Dunkelblau	2
156-9	Faltschachteln rechteckig 70 x 69 x 100 - Rot	3
592/20	Faltschachteln quadratisch 85 x 85 x 85 - Grün	1
P1	Pralinenschachtel - Weiß	3
151/21	Faltschachteln länglich 40 x 40 x 98 - Hellblau	2
151/51	Faltschachteln länglich 65 x 65 x 168 - Dunkelgrün	2

ICS GROUP — Packtisch 1/2

Auftrag	Kunde		Artikelnummer	Beschreibung	Menge
16030010	Seetec GmbH		151/51	Faltschachteln länglich 65 x 65 x 168 - Dunkelgrün	2
16030020	Multiscience GmbH		P1	Pralinenschachtel - Weiß	3
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			151/21	Faltschachteln länglich 40 x 40 x 98 - Hellblau	4
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Auftragsauswahl

AXIS F41 Network Camera — Live View | Setup | Help

Example: Color detection on shipping label

OPTIMAL IMPLEMENTATION OF THE SOLUTION

By the implementation of ICS Intelligent & Secure Packaging solution the packaging process will be controlled intelligent and the optimal overpack will be prescribed. The throughput at the packaging tables will be increased and a cost reduction for carton and fill material will be guaranteed.

In total the internal handling expenses fall and the number of shipments will be optimized.

The packaging tables will be equipped with BVI technology. The exchange of the necessary data will be made by ASCII files in CSV format; even other formats like XML are possible, which will be dropped in defined import and export lists.

By the linking of the packaging process data with the video and image sequences a complete documentation of the packed contents will be made.

So there is any type of manipulation efficiently demonstrable (for example removing goods of the carton) at the packaging table from placing the cartons up to the final closing (secure).

Additionally a photo of the unsealed package will be printed on the delivery note to prevent unjustified subsequent deliveries.

A further added value is the on-demand labeling of packages - individual and multicolored, for example with customer logo. Preprinted shipping labels and common changes of label rolls are not necessary anymore.

So the packaging speed and quality increase by the elimination of the time-consuming and error-prone change of the label rolls.
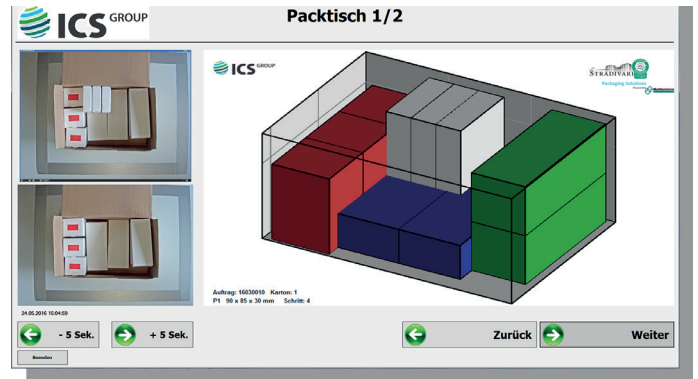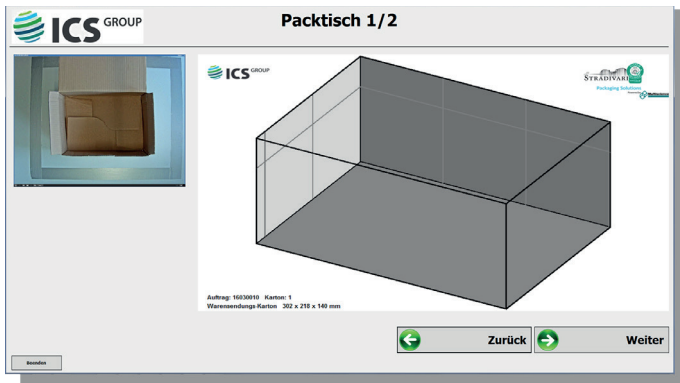
There can be an additional color code on the shipping labels to support visual the assignment of the goods to the shipping area.

Hereby the performing providers receive different colour codes on the shipping packages, which can be assigned to the individual shipping areas.

The following conditions are as follows:

• MS-SQL database
• Hardware for installation of software
• External access possibilities for serivces

MODULES OF SHIPPING OPTIMIZATION

ICS Intelligent & Secure Packaging Module 1:

1. Packaging Control Station
- Administration & control of the processes
- Processing of master data & order data
- Seeing the order status
- Filter & search functions

2. User Management
- Creating & managing of user groups
- Determiniation of user permissions
- Summary of individual rights to one group
- Fast, process reliable & work oriented user classification

3. Administration of Master Data
- Administration of customer data

Your Key Benefits

- Increased throughput on packaging tables
- Intelligent controlled packaging process
- Lower costs for cartons and fill material
- Freight cost optimization
- Lower shrinkage
- Reduction of label diversity
- Increased efficiency for employees and helps
- Traceability of packaging processes
- Avoidance of complaint researchs regarding unjustified additional charge of goods
- Marketable expanded service possibilities

4. Administration of Products
- Easy & clear design
- Product number, description, weight & dimensions

5. Recording of all Transaction Data
- Traceability
- Storage of all bookings & transactions
- Extensive filter & search functions
- Excel export

6. System Messages
- Showing of system events & recording of manual interventions
- Increasing of process reliability

7. Administration of Packaging Tables
- Deposit of properties per packaging table
- e. g. type of printer, scanner, BVI, etc.

8. Order Management
- Overview of packing orders
- Functions to work on orders

9. Label and Delivery Note Design
- Flexible label & delivery note layout

Modular Extensions:

ICS Intelligent & Secure Packaging Module 2
- Automatic operation based video and image documentation
- Optional camera for BVI

ICS Intelligent & Secure Packaging Module 3
- Optimization of forming shipping units

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SUPPLY CHAIN ARCHITECTS.

About ICS Group

The ICS Group is a leading solution provider for the digitization and automation of business processes in the supply chain - end-to-end. We support our customers holistically with analysis, consulting, conception, software, hardware, integration and services from a single source.

With more than 30 years of project expertise, which extends internationally across all industries and company sizes, ICS is able to quickly and reliably realize individual process optimization. Our specialists bundle components from the product to the operator model and provide solutions for every business model.

The ICS Group is looking forward to speaking with you!

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