A+C PLASTIC

IdentPro Warehouse Execution System
for 100% inventory reliability

A+C Plastic uses the Warehouse Execution System (WES) by IdentPro with its integrated 3D forklift guidance system for the continuous and automatic tracking of finished and semi-finished products.

The plastics manufacturer from North Rhine-Westphalia produces 25,000 tonnes of high-quality industrial packaging made from LDPE foil on modern extrusion lines every year. As one of the most modern production facilities in Europe, it offers customised and needs-based solutions for all major branches of industry.

INITIAL SITUATION

- Lack of transparency about the storage locations of the products
- Manual booking processes
- High inventory effort
- No forklift guidance system

THE REQUIREMENT

A large number of products and product variants are manufactured in multi-stage production processes. Residual quantities are stored for further use. Semi-finished and finished goods are weighed. The company premises have grown organically and are correspondingly extensive. Loading of goods is carried out outdoors.

THE GOAL

Permanent and reliable inventory transparency as well as centrally controlled, paperless handling were at the forefront of A+C Plastic's optimisation tasks. In addition, the measures were intended to make it much easier to trace the goods and enable them to be located directly according to specific criteria.

THE SOLUTION

A+C Plastic selected IdentPro's Warehouse Execution System with its integrated 3D forklift guidance system, primarily to achieve precise pallet tracking in the warehouse and during goods loading. The constantly growing company's warehouse space is spread across several halls and large outdoor areas. The real-time localisation of the WES is based exclusively on natural environmental features. This makes system guidance in the winding terrain considerably easier. The WES from IdentPro is connected to the DS software specifically designed for plastics processors.

INTEGRATION OF SCALES

Scales are connected after the production of the roll goods. The finished products are first weighed there and then captured by IdentPro via the WES. The specific weight of a load unit is linked to the load unit as a characteristic.

Load weight is checked when the load is picked up

Any remaining goods left over from the production process that are to be put back into storage are also weighed first and then documented using IdentPro's WES. In both cases, the weight information serves as an additional inspection feature when pallets are removed from the storage/loading process and when they are made available in production. Using the weight information, machine-specific usage quantities are also recorded.

Automatic pallet tracking

WAREHOUSE LOCATION-ACCURATE INVENTORY TRANSPARENCY

When pallets are moved by forklift truck, their transport is automatically monitored by IdentPro's WES. When the load is set down, its new position is automatically updated in the central database. If necessary, a message is sent to the DS software. This ensures that A+C Plastic can track goods to the exact storage location at all times, and A+C Plastic benefits from 100% stock transparency. It also makes it much easier to trace individual pallets.

VIRTUAL LOADING LISTS REPLACE PAPER

Customer deliveries and stock removals to external warehouses are processed using loading lists. When a forklift driver selects a loading list at the forklift terminal, he is navigated to the required pallets.

Error-free goods loading with a background check

IdentPro's WES checks the completeness and correctness of the loading in the background. The driver can make corrections via dialogues if necessary.

STATEMENT

"A+C Plastic has decided to digitalise its warehouse and now benefits from 100% stock transparency. Among other things, this significantly speeds up the annual stocktaking process. The lorries are loaded correctly faster and more reliably, as the forklift drivers are navigated to each requested pallet."
Michael Wack, CEO & Founder IdentPro

QUICKFACTS

- 7 forklift trucks
- Storage area 35,000 m^2
- Loading and unloading in the yard
- Integration with DS software

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