



identPLUS IDEAL

Tracking without RFID or barcode

IdentPro has enhanced the **identPLUS** system by the module **IDEAL**.

IDEAL enables automated tracking of goods and containers (load) in every type of warehouse without using RFID or barcode on the load and storage places. There is no break of transportation for scanning goods and storage places in order to confirm transport orders. Handling performance is increasing while rate of errors is decreasing.

IDEAL stands for “**I**dentification through **E**xact **A**utomated **L**ocalization” and is based on pinpoint tracking of the lift truck plus reliable detection of load picking and dropping processes.

By means of a robust optical system the X,Y coordinates of each lift truck are captured as precise as 10 cm. Additionally a height sensor detects the actual mast height of a lift truck (Z coordinate).

The identPLUS IDEAL software that is running on the vehicle mounted terminal (VMT) detects, supported by a load sensor, every picking up and dropping of goods and containers. In the very moment when a load is dropped the current position data (X,Y,Z coordinates) of the truck carrying that load is linked (“married”) with that load and logged in an internal identPLUS database.

Each time this load is moved to a new storage location this database is updated with the new coordinates. The system works fully automated and free of errors. There is no need whatsoever for manual scanning or other verifications by the drivers.

Only when picking up load first time it needs to be introduced to the system. To do so a variety of options are possible. From then on every movement is automatically tracked. Every time a load known to the system is picked this load is automatically identified exclusively by its position.

identPLUS IDEAL integrates with WMS, SAP or similar via various configurable interfaces. Therefore WiFi (WLAN) needs to be available, at least partially, for communication with the VMT.

For every transport order generated by e.g. a WMS or fork truck guidance system identPLUS in the background automatically monitors their correct execution and alerts in case of errors. identPLUS IDEAL even provides correct position data of pallets or containers that are moved without transport orders and that are e.g. placed randomly in an aisle. Thus “lost” pallets are history. This is particularly helpful when paperwork or oral orders is still in place.

identPLUS IDEAL generates 100% visibility in every warehouse and enables correct inventory, batch and Best-before management. The quality of the information available is equal to that generated by permanent physical stock taking. One implication: customers receive reliable production and delivery times rather than wrong shipments.

Your benefits

- Works without RFID and barcode
- Commence any time
- Works in any kind of warehouse
- Retrofittable with almost any lift truck
- Can integrate a mobile weighting system
- Safety assistant optional

identPLUS IDEAL is available for almost any fork truck and works in any kind of warehouse or with any way of storing goods, be it in racks, stacks or with free choice of storage location. You can start tracking your goods any time as there is no need for a particular labeling of your products, containers and storage locations (like e.g. shelves). Everything works without RFID and barcode – **simply IDEAL**.

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The procedure



Picking up new load

1. identPLUS IDEAL automatically detects picking up of new load, i.e. load that is unknown to the system.
2. Prompt to introduce this load to the system.
3. Introducing load to the system (e.g. 4711).

Picking up known load

1. Automated checking if the correct storage place is approached.
2. Automated checking if the correct load is being picked up; the load is identified by the linked position data (X,Y,Z).

Transport

WMS issues instruction on vehicle mounted terminal (VMT) to move load 4711 to storage location B 27.

Alternatively: Instruction via sheet of paper or oral.

Logging of route travelled and time of driving is possible (optional).

Storage

1. identPLUS IDEAL automatically detects dropping the load.
2. Automated checking if the correct storage place (B 27) is approached.
3. identPLUS IDEAL automatically "marries" coordinates X,Y,Z with load 4711.
4. Automated data entry in identPLUS database and booking in the WMS.



Application example