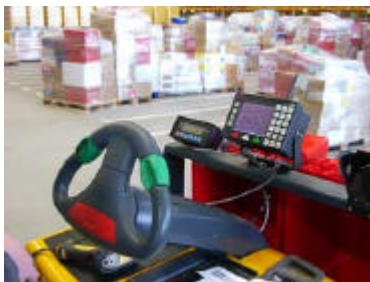
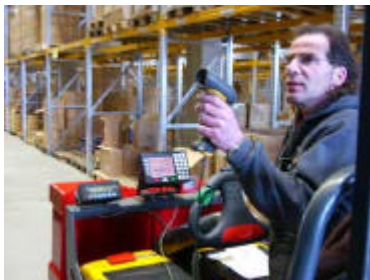


# CASE STUDY

## 2006/04

PaKo



- Company:** 3PL logistic services provider PAKO
- Location:** Landsberg, Germany
- Systems:** 20 Jungheinrich order picking trucks (ECE 20) with RPW EL-6 scale; communication with WMS (warehouse management system) via truck terminals
- Scale application:** Preventing errors in order picking, via on-line weight check per order line

Manager IT Schreiber and Warehouse Manager Grünklee: *'We are absolutely on the right track with the RAVAS mobile scales. We can now easily reduce our error level in order picking.'*

Logistic service provider PAKO does order picking for 171 Mäc-Geiz stores, a chain of small shops selling drugstore articles, stationary and other non-food products. PAKO stocks and distributes 3500 different articles and registers 28.000 picking actions per day. This number is expected to rise to 38.000 within the year.

PAKO's problem was that there were too many complaints from Mäc-Geiz stores about goods not delivered. PAKO was therefore looking for a simple and profitable way of checking the outgoing goods. The solution: checking the weight during order picking, on the Jungheinrich order picking trucks.

Via a wireless network the Warehouse Management System (WMS) checks the weight of the articles on the truck after each order line picked, to verify that the actual weight of the order line on the truck corresponds with the theoretical weight from the article database. Only when that is the case and the order line is therefore correctly picked, does the operator receive the next order line on his terminal. Thus picking errors are corrected on the spot where it costs the least: at the picking slot. The online weight check by the WMS takes so little time, that the number of picked orderliness per operator per hour has remained the same. The number of errors has been reduced considerably.

Mobile weighing offers several attractive advantages for PAKO: since the error level has gone down there are fewer complaints, reducing the administrative workload. End control in the warehouse has become redundant, resulting in direct cost savings for PAKO. All order pick actions are checked and recorded, providing demonstrable quality to (prospective) clients. And finally: shipping weights no longer need to be determined separately. Pallet weights are compiled during order picking and automatically end up on the shipping documents, through the WMS.

PAKO intends to equip all 34 order pick trucks with a RAVAS mobile scale.

**RAVAS**