



RFID branch solutions

by the Ehrhardt + Partner group



**Institute for technical
Solutions in Logistics**



EHRHARDT+PARTNER

**Software Systems
for Warehouse Logistics**



RFID branch solutions by the Ehrhardt + Partner group for the maximum branch specific potential of optimisation

Correctly integrated, the RFID technology allows a higher quality of processing, simpler and accelerated logistic processes as well as remarkable cost reductions. In order to realise other branch-specific potential of optimisation besides these general advantages, the warehouse expert Ehrhardt + Partner has developed in cooperation with its subsidiary ITL, Institute for technical solutions in logistics, branch specific RFID solutions for the sectors of pharmaceutical industry, textiles, electronic products, consumers' electronics and document management.

With the specific selection of adequate RFID hardware for the individual use, the E + P branch solutions now allow for example the registration of goods that are lying very close together. The simultaneous registration of high quantities of goods in small space – also known as bulk-registration - was not possible in most cases. Due to that, in lots of sectors, items had to be separated with a high effort. The new RFID solutions by the Ehrhardt + Partner group respect those branch-specific requests and allow an obviously faster product registration and –identification.



RFID solutions for the pharmaceutical sector

With the RFID branch-specified solution for the pharmaceutical industry, every single item is provided with a transponder and can easily be marked, identified and traced. With the automatic final control of the picked units, the batch numbers, expiration dates (BBD) and the particular item sizes can be checked and documented consistently and without manual intervention. The client's order, packed and ready for dispatch is further automatically tested for completeness and correctness. A correspondingly high security of processes can without the use of RFID only be achieved by a personnel- and cost-intensive final optical control of the single picked units. The same applies to the management of returned goods: The former usual personnel-intensive registration of returns is now easily and automatically handled, the re-registration of batches, BBD and item size is realised with minimum effort and without additional personnel costs. Besides this, an important acceleration of the existing logistic process is achieved.





RFID solutions for the entertainment industry

In the sector of high-quality entertainment electronics, for example with products like CDs and DVDs, the completed picked orders contain a multitude of different items that are packed closely together. In the past, these goods had to be opened for control purposes. This manual random examination is now unnecessary with the newly designed RFID branch solution from the Ehrhardt + Partner group for entertainment electronics. The goods are automatically controlled by a 100 %. Here, the use of RFID also allows a high quality of processes and simplifies logistic proceedings. The former personnel-intensive task of managing returned goods is now easily and quickly realisable, without the former cost- and time-intensive separated registration.

RFID Solutions for electronic products

In order to avoid faulty deliveries, guarantee a secure tracing of the products and better control the grey market, especially in the domain of high-quality electronic products, personnel-intensive processes like the complete registration of the assignment of serial numbers or the final examination of containers are extremely important and essential.

With the E+P branch solutions for electronic products, the serial numbers are checked as well as the closed containers are thoroughly examined. In order to identify and document the serial numbers, the goods do not have to be separated as usual. In contrary, independent from the size of the closed shipping units, up to 100 transponders can be registered in a few seconds. An accelerated proceeding of the logistic processes and reduced costs are the convincing results. In addition, the particular transition of goods to the entrusted post service or forwarder is documented legally binding.



RFID solutions for the textile industry

The RFID solution by the warehouse experts Ehrhardt + Partner replaces the random examination of the goods of a, for example, incoming delivery from the Asian production. The goods provided with transponders can be examined thoroughly at almost 100 percent while unloading of a container without time- and personnel-intensive unpacking. Even closely packed goods in cases can be checked for defined characteristics like sorting of size and colour. During dispatch, the goods of multi-part textile combinations like suits and costumes can be controlled by the attached transponders according to plausibility: do the pants and jackets correspond in colour and size? The correct dispatch of the ordered goods leads to a clearly reduced number of returns, which is not only of great importance for the goods traffic between central warehouses and subsidiaries. The documentation of deliveries and returns is always traceable. Furthermore, besides a detailed documentation, the returned goods can be exactly distinguished from imitations.



RFID solutions for the management of documents

The complete and automatic documentation of personal and ministerial documents and files is the centre of interest of the fifth transponder-based branch solution by the Ehrhardt + Partner group. The extraction and storing of files as well as the transition to or between departments is securely traced with the aid of the transponders. Within this application area, the certified higher relief of personnel, the simplified and accelerated processes and the doubtless documentation belong to the remarkable achievements of this application of technology.

Ehrhardt + Partner – the company

Ehrhardt + Partner are the leading international experts in warehouse logistics. Founded in 1987 by Hermann Ehrhardt, E+P has become an international group with more than 100 employees at four locations. The company's solutions are currently being applied successfully on five continents. Together with its subsidiaries, the Ehrhardt + Partner group offers integrated complete solutions for warehouse logistics from one source. Designed for professional application in practice, all of our products are continuously being developed at the highest level, which ensures their outstanding quality and at the same time offers our customers a guarantee for the future and

investment security. Our range of products includes the LFS 400 warehouse management system, Pick-by-Voice and radio frequency solutions, material flow systems, customised solutions and logistics training seminars. Our worldwide customers particularly appreciate the quality of our warehouse consulting, our expertise in warehouse logistics, our professional project management, the quick implementation of projects within the set periods of time and the reliability of our support service. The list of references of our group currently includes more than 260 worldwide customers from all branches of industry.

ITL – the company

ITL is a research institute that is active in the investigation of technical components and the subsequent integration of new solutions in warehouse logistics. The company mainly focuses on the analysis and integration of RFID solutions in warehouses. Managed by Ehrhardt + Partner and scientifically supported by Prof. Dr. Helmut Bollenbacher, the company sees itself as a connecting

link between theory and currently available RFID hardware: based on a manufacturer-independent consulting service, ITL also ensures the subsequent project advice and implementation, thus clearly standing out from research companies that are already active in the market. Apart from RFID workshops, the range of services of the ITL also includes feasibility studies.

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Further information

You want to know more about the new RFID branch solutions and the specialised RFID expert of the E+P group? We heartily welcome you to a non-binding personal conversation or voluntarily send you further detailed information. Just call us.

The companies of the E+P Group



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Informática y Gestiones Logísticas, S.L.

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