eXtra4
Labelling Systems
Identification Systems

Pressemitteilung / Press Release

RFID for jewellery

Decision criteria for transponder-supported labelling of goods in trade and industry

Birkenfeld, 02.01.2019. RFID is already being used successfully in the jewellery industry. To ensure that manufacturers and retailers do not miss the opportunity to enter this future technology, Ferdinand Eisele and his subsidiary "eXtra4 Software + Service GmbH" will provide a catalogue of criteria for decision-making and present RFID live during the spring trade fairs. The identification technology company from the Pforzheim area has been accompanying the development of RFID for years, both in the jewellery industry and in related segments, and can point out key issues.

Additional effort must pay off

Compared to barcode labels, the use of RFID basically means more time and money. The price of RFID labels is up to ten times higher than that of conventional labels. RFID-capable label printers are also significantly more expensive. In addition, much more care must be taken when labelling goods.

This additional expense is paid for by the significantly improved inventory monitoring. From a cost-benefit point of view, the use of RFID can therefore initially be justified for jewellery in the upper price segment. Here, additional costs are already amortized when the loss rate by "shrinkage" is halved.

Inventory - permanent instead of annual

The high costs of RFID must be offset by frequent use. If all movement of goods is continuously monitored, "shrinkage" is automatically reduced. The extremely fast detection of entire trays is the key to this. RFID is a worthwhile investment if inventory is taken daily, several times a day, e.g. when moving goods between the safe and sales area, or even permanently.

Diligence as a guarantee of success

RFID not only requires extra care when it comes to labelling, but also when it comes to warehousing. While the annual inventory traditionally controls the entire warehouse, the permanent inventory is based on the control of small units called "containers". Containers

can be drawers, counters, showcases, displays, trays or similar containers that can be monitored in no time at all by RFID hardware.

After each movement of goods, the corresponding container is checked for integrity in the RFID field. Inconsistencies, incorrectly ordered or missing parts are detected immediately and must be corrected by the staff.
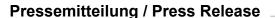
Added value for the future of sales

In addition to stock control, the "movement profiles" of the goods recorded by RFID provide internal information (big data). As pre-sales statistics, they go far beyond the previous performance of a stock management system and can be used in a variety of ways. As if by magic, sales conversations can be supported with additional information. Even trick thefts within the business premises can be made considerably more difficult by concealed monitoring.

Getting the right decision with consulting

The fact that RFID functions technologically in the jewellery industry and is economically reasonable can be observed by attentive visitors, especially at Asian trade fairs.

The decision to introduce an RFID system now, later or not at all requires a certain familiarity with the technology and modern warehouse organization. Therefore, the experts of eXtra4 Software+Service provide open-ended consulting based on a

detailed analysis of the customer's structures and processes on the basis of an NDA (Non Disclosure Agreement). The resulting documentation is not only the basis for decision making, but also the basis for project documentation in the case of immediate or subsequent introduction of RFID.

Understanding RFID - live to first impression at the trade fair

RFID may function invisibly, but during the international industry meeting in spring 2019, "eXtra4" will present its current RFID system live and to the touch. Labels and scanners are characterized by their handy size and high performance. Managing Director Alex Schickel is available for questions and answers, because decision-making at RFID is a matter for the boss.

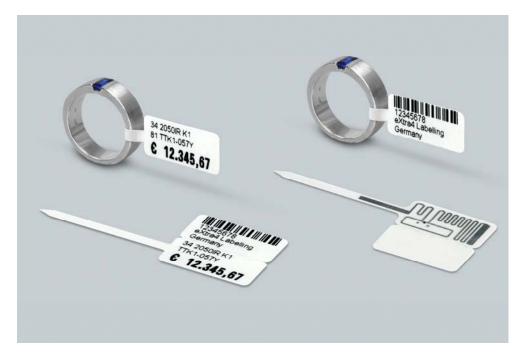(4.047 caracters, blancs included)

Images with captions

Img.1: RFID application at the jeweller's

Img.2: RFID scanner from eXtra4 for labelling with UHF transponder

Img.3: RFID label with UHF transponder for labelling jewellery

Img.4: official RFID emblem

Img.5: Logo of the subsidiary of Ferdinand Eisele GmbH