



RFID Solution which Guarantees Traceability

ACURA Global Solution for Automation of Expedition Docks

RFID solution for logistics which guarantees correct order delivery to the customers.

MIRVI BRASIL was created in 1999 to support national and south american with delivery of high quality plastic lids, mainly for the food industry, distributing in all of Brazil the technology of its Betapack matrix. MIRVI BRASIL has an installed capacity for production of 160 million plastic lids / month, currently attending to oil, vinegar and spice markets. MIRVI BRASIL has an exclusive I+D department, Innovation and Development, focused on the needs of every client. For those and many other reasons, MIRVI BRASIL is considered leader in the market of plastic lids for oil, being today the biggest one in Latin America. The next investments will be dedicated to mineral water and soda.

MIRVI BRASIL
PROJETOS, APLICAÇÕES
E FABRICAÇÃO DE TAMPAS PLÁSTICAS

General Vision

Problem: Wrong product addressing and low productivity.

Solution: Usage of RFID tags for tracking which allowed a drastic reduction of logistic processes' flaws.

Advantages: Logistics' RFID solution which guarantees traceability.

Benefits: The addressing errors decreased to less than 1%, the trust level in the ERP increased significantly, the time for organization and expedition of cargo decreased for about 30 to 40%.

Target: Logistics.



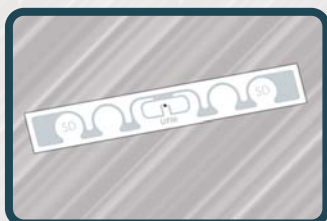
Ideal products for the solution



500.320 - Smart AT-870 Data Collector

The SmartAT-870 gives the capacity to combine many functions in a single robust and profitable solution. From barcode to RFID label reading with connectivity for cellular data and wireless, the SmartAT-870 transfers data from the work field to your office.

For more information about this product, [click here](#).



500.495 - AcuTag UHF ShortDipole

The AcuTag UHF ShortDipole is ideal for many environments, as it can work very efficiently in great part of the applied surfaces, except metallic ones. It presents great performance for identification of pallets, packages and items.

For more information about this product, [click here](#).

About the Solution

Proposed challenge: Addressing of products was done through barcode labels, the ERP generated the target address in the storage unit and the worker took it to the target and stored it. This process presented many flaws as there was no checking if the worker stored the product in the correct address, and for that there were around 10 to 20% error rate in product addressing. In the moment of billing this meant delays and increased usage of manual work to localize misaddressed products.

Equipment: AT-870 data collector and UHF ShortDipole tags

Features / Practical improvements: In the moment of addressing and wrapping each pallet receives an RFID tag which is written with lot and subplot information which is sent

to the TOTVS' ERP. The addressing in storage has since then been done with the AT-870 collector which guarantees the correct maintenance of pallet storage. The TOTVS' ERP was integrated to compare the used addresses with the ones indicated for the products printing a checking report with possible errors to be corrected. In the moment of expedition the ERP generates a pick list of tags to be taken and sends this list to the middleware of our Expedition Docks Automation System which controls the portal of the selected dock for the expedition invoice.

Gains / Benefits: The addressing errors of products decreased to less than 1%, the trust level in the ERP increased significantly and the organization and cargo expedition time decreased from 30 to 40%.

ACURA has a focus on the market of general identification, with emphasis on RFID (radiofrequency identification), providing RFID Tags (Transponders), Proximity Cards, RFID Readers and Data Collectors.

For more information about this and other ACURA solutions, visit www.ACURAGLOBAL.com

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