

OJSC KAMAZ Russia

ZECCHETTI arrives in Russia with an "A1" reference



Last August 2012 , **Zmagazzini** and the Co. **Sovtest ATE** have completed the project for the automation of the storage/shipping processes in the production department – dedicated to the lorry spare parts - of the **OJSC "KAMAZ" group "automotive division"**. **KAMAZ** covers the spare parts service al lover the russian territory with more than **7000 retailing points**.

The project has been realized with two **Zmagazzini Vertical Automated Warehouses Mod. SpazioM2**. Each warehouse contains more than 3.000 carton/cases 600 x 400 x h. 300mm housing spare parts and spare kits.

Both systems are provided with double bay and occupy, in tota, 43 m2 i.e. **1 m2 for 140 carton/cases**.

The previously occupied space by the traditional shelves was of 250m2 x 6m height, with 6 aisles; this obliged the operators to employ Forklift Trucks for the storage/retrival operations.

All the operations are now automatic thus considerably reducing the human error and granting a correct inventory at any moment and in real time.

The shipment of the orders and the refurbishing of the stored goods employs just 2 operators versus the 8 previously employed in this operation.

The Zmagazzini Easynet software is interfaced with the Company HOST (Manhatan); it receives from the latter the codes for the orders preparation and, through the bar code reading (carried out by the operator) sends back to the Company HOST the information about the carried out operations and the data base update.

The software has then be implemented with a function that allows to "record", when preparing the order, the container code where the components are placed. In such a way, the central system exactly knows which and how many containers does the order include.

WAREHOUSE MODEL

DIMENSIONS AND FEATURES

TRAY TYPE AND QUANTITY

AVAILABLE STORAGE SURFACE

SURFACE OCCUPIED BY THE VERTICAL WAREHOUSE

SURFACE PREVIOUSLY OCCUPIED BY THE TRADITIONAL WAREHOUSE

TYPE OF THE STORED ARTICLES

WORKING SHIFTS/DAY

N. OF OPERATORS/SHIFT

TYPE OF CUSTOMERS

TYPE OF SHIPPING PACKAGE

DAILY MOVEMENTS (INFEED; *OUTFEED*)

OPERATION MANAGEMENT

GOODS IDENTIFICATION SYSTEM

Autoamted Vertical Warehouse – 2 x mod. **Spazio M2**

7 x3 x h14 m. with two independent bays each one

n. 148 Vassoi 3100x800 mm – 500 kg./ each – total 296 trays

307,8 m2

86 m2 (43 m2 each warehouse)

250 m2

Automotive spare parts and spare kits

2

2

Retailers of truck spare parts

Cartons

Lines (1200 circa)

Company HOST

Traditional, by direct reading or barcode reading. Connection with management software.