

METATRON

INTEGRATION OF A "ROBOTIC" TEST STATION IN THE AUTOMATED VERTICAL WAREHOUSE

Fully automated working area without the presence of the operator



METATRON is a company committed in the development, production and application of **electronic injection advanced systems for the methane fed motors**.

They were in the need of making **the TEST area fully automatic** and to that purpose, to create a 24-hour buffer for the testing Robot, thus avoiding the continuous operator presence for the loading of the parts to be tested.

The solution has been the combination between a **Vertical Automated Warehouse Spazio 1 (Zmagazzini)** and a Robot. This solution enabled them to reach their target i.e. **"SAVING and EFFICIENCY"**

That was possible thanks to the interface between the Robot Software and Zecchetti "EASY NET" Software which transmits to the Robot: the article code, the batch n., the n. of pieces to be tested, present on the tray. Thanks to such information, the Robot is able to understand and carry out all its operations.

The Vertical Warehouse SPAZIO 1 is equipped with 2 bays, one per each side, one for the piece loading and an external one for the robotic island.

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

TESTED PIECES

OPERATION MANAGEMENT

n. 1 Vertical Automated Warehouse mod. Spazio 1

3 x 2x h.8 m with 2 opposed bays

n. 43 trays 2100x800 mm – 200 kg./each

42 m²

6 m²

20 m²

Finished products

Over the clock

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Industrial companies

2500/day approx.

Company HOST interfaced with the Robot Software