

Case Study

Automatic Storage for Precision Tools





Highly optimized storage

Customer and task

At TTE's logistics hub in Valmadrera, it manages 60 to 80 shipments of 5,000 items daily. TTE's distribution process is very varied, both in the number of daily orders and in the arrangement of the orders themselves.

A strength of the company lies in its service flexibility. From the first data analysis, the project was designed for maximum dynamism; in fact, daily variations from 100 to 700 rows and from 600 to over 9000 pieces are observed. TTE selected Kardex with the goal of achieving efficient allocation management, excellent picking speed, and to ensure all operators can easily and effectively interact with the warehouse.

Solution

To optimize storage volume, TTE extended its two Kardex Shuttles and Kardex Megamat with two new Kardex Miniload-in-a-Box* equipped with Kardex Frame Pick Systems and put-to-light technology.

First the team installed a Kardex Miniload-in-a-Box with a rotary table and laser pointer. Next a second module plus two picking carts, each with 16 put-to-light features were integrated. This feature displays a product's quantity and location and therefore allows operators to manage multiple orders simultaneously: distributing products presented by the warehouse and indicated by the laser pointer.

Uniquely developed for TTE, Kardex implemented cross docking. The feature stores items reserved for specific customers on separate shelving and transports goods directly to shipping when urgently requested.

Case at a glance

How we took our customer from task to solution

TTE is a leader in distributing and manufacturing milling cutters, micro milling cutters, drills and micro drills. For 20+ years, TTE has operated across oil-gas, watchmaking and automotive. With a logistics hub in Valmadrera, Italy and a product portfolio of 42,000; TTE offers various goods for quick delivery. To improve warehouse efficiencies, TTE turned to its intralogistics partner, Kardex.

Reduced
picking times

Maximized
warehouse
volume

Optimized
picking
and refilling

* formerly Kardex Compact Buffer



Scope of delivery



2 Kardex Miniload-in-a-Box each with a turntable and single access opening equipped with laser pointer
Width: 2,350 mm | Depth: 10,470 mm | Height: 7,800 mm
Turntable: 1570 mm



Kardex Power Pick System warehouse management software with trolley batch and pick/put-to-light



2 put-to-light trolleys with 16 lights each