

Case Study

# Ergonomic Storage and Retrieval





# Storing heavy mechanical parts

## Customer and task

Established in 1984, Viemme is a major player in the precision parts industry supplying customers in Italy and abroad.

Viemme stores stainless steel components, copper, iron, plastic, nickel-chromium, bronze, aluminum, and other materials in plastic boxes. They used to use static shelving, but this resulted in dusty goods exposed to corrosion and unnecessary waste.

A lack of control over parts/their locations, limited space capacity, and poor working conditions challenged operations. Workers needed to climb stairs and shelves, putting them at a risk of physical injury.

## Solution

Kardex installed a Vertical Lift Module Kardex Shuttle 1000 with an automatic full tray extraction and integrated crane. This was the perfect solution to store heavy materials.

Using a very small footprint, it increased the boxes' storage volume by 50%, from approximately 1,000 to 1,500. It also improved daily operations by 400%, from 20 to 100. The integrated crane in combination with a full tray extraction device easily lifts loads over 20 kg. This provides ergonomic working conditions and reduces work efforts drastically.

The closed structure protects goods from dust and dirt, eliminating Viemme's risk of losing product value. They also now have complete control over their stock and its location.

## Case at a glance

### How we took our customer from task to solution

Viemme Srl is an Italian manufacturer of precision parts from Sossano. They value quality, service, and competitiveness and depend on a smooth production process to achieve this. By installing a Kardex Remstar storage solution, Viemme saved space and increased operational performance.

50% increase in  
**storage  
volume**

**Dust and  
dirt  
eliminated**

400% increase in  
**performance**



### Scope of delivery



Kardex Shuttle 1000  
W: 2,780mm | D: 3,125mm | H: 6,450mm



50 trays (2,450 × 864 mm) with a load capacity of 900 kg  
Automatic full tray extraction



Integrated crane with a load capacity of 500 kg