

Storage

Order Picking

Handling &amp; Automation

# Case Study 010

## Warehouse & Distribution

**ORDER PICKING OF AUTOMOTIVE ACCESSORIES**

### The Customer

Motoral is one of Finland's largest suppliers of a great range of automotive accessories. 260 employees work on the company premises that cover a space of 40,000 m<sup>2</sup>. 38 staff are responsible for looking after 24,000 m<sup>2</sup> of storage space. Here, a great variety of articles is stored: so-called "aroma trees", indicators, oil, tools and charcoal – Motoral supplies everything that is usually in demand by motorists and therefore sold at petrol stations or tuning shops.

Further information:  
[www.kardex-remstar.com](http://www.kardex-remstar.com)



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## Task definition

Motoral knows that they can only remain competitive and retain their position as a market leader if they place a high value on the further development of our expertise in logistics and on the automation of our storage environment.

The project is called: storage modernization.

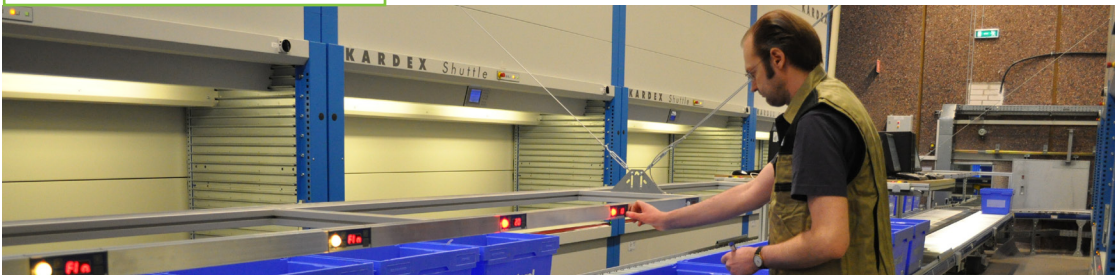
The objectives of this project: To improve supplier quality and picking performance, and to minimise error rates.



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## Solution



Some unused space became the showcase of the logistics project: the unused area between the business administration and the main store was transformed into new useable space – despite the fact that the area was really quite small. What finally decided in favour of placing the order with Kardex Remstar were the system qualities of the Shuttle XP solution: a high degree of flexibility and storage density. 32 dynamic lift systems Shuttle XP by Kardex Remstar were installed on a foot print of 315 m<sup>2</sup>, and with 2,624 trays. The dynamic lift systems with a height of 12.25 m provides 6,506 m<sup>2</sup> of new storage space – this is equivalent to the size of almost 1.5 football fields! The Power Pick Winstar warehouse management software was integrated into the ERP system IBS-Enterprise; at the moment it controls around 30,000 articles. Communication between the different lift systems, the software and the conveyor system is provided by a middle ware.

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## Advantages at a glance

- Power Pick
- Opti-Flex-technology
- 4,000 picks per day with 8 operators
- Foot print: 315 m<sup>2</sup> - new storage space 6,506 m<sup>2</sup>

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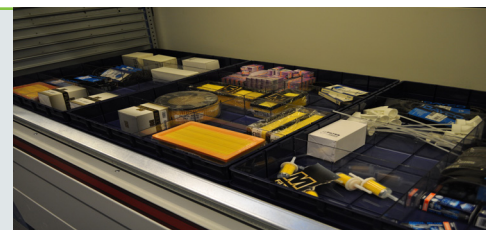
## Process description

We would be delighted to explain the process description in detail in a personal consultation.

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## Scope of delivery

- 32 Kardex Remstar Shuttle XP 500 (W x D x H: 3,050 x 813 x 12,250 mm)
- 8 picking stations
- Conveyor System
- Warehouse management software Power Pick



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