

Storage

Order Picking

Handling & Automation

# Case Study 003

## Warehouse & Distribution



SPARE PARTS LOGISTICS

### The Customer

Erling Sande as is importing and distributing boats, Suzuki engines for boats and motorbikes, Peugeot Scooters, Artic Cat snow mobiles and ATV's. In addition they sell accessories and spare parts to their broad product range. Continuous growth and in volume and number of products made it necessary to build a new warehouse and reorganize the working processes.

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



1

## Task definition

The existing warehouse was no longer capable of meeting the logistic requirements. Spareparts and accessories were picked on trolleys from more than 6,000 meter of shelves. The shelves took up a floor space of 700 qm, and contained about 38,000 locations in bins and more than 45,000 different articles in total. The picking performance was calculated at 40 lines per hour per picker, and was done by three persons. The company wanted to save space, increase picking efficiency, have real-time stock management, error minimization of the order picking and less than 24 hr delivery readiness.



2

## Solution



Vertical carousels were installed in less than 40 qm floor space. 40 % of the smaller parts is accommodated in 4 Kardex Megamat RS 350, the units contains of bins of various sizes. Access times were achieved by using the "batch" picking principle. A light indicator (TIC Matrix) shows the target bin and target volume to the picker to permit rapid, direct and error-free access. The warehouse management software used controls 4 machines simultaneously using batch accumulation. This avoids waiting times for the pickers.

4

## Advantages at a glance

- Same amount of goods on less than 15 % of the floor space
- 99 % safe access by using "pick-by-light" operator prompting
- More than 100 order lines per hour picked by 1/3 of the staff
- 70 % less personnel resources

3

## Process description

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

5

## Scope of supply

- 4 vertical carousels with a total of 480 shelves
- Storage capacity 8,300 containers, 36,500 locations
- Dimensions WxDxH 3,475 x 1,671 x 7,960 mm
- TIC Matrix position indicator
- Power Pick Global "Order Processor" + Options
- Interfaces to ERP system (IBM Solution 1)



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

