

## Reference: Koiviston Auto Oy, Lahti, Finland

Koiviston Auto Oy, Finland is a reference in the category

### Vertical Carousell (Paternoster)

Berner Oy, Vantaa, Finland  
Elektroskandia, Finland  
Local Government Headquarter,  
Poland

Koiviston Auto Oy, Finland  
Svenska Bil i Norden AB, Sweden

Please visit [www.kasten-storage.com](http://www.kasten-storage.com) for more references.



**Koiviston Auto purchased their first Paternoster vertical carousell in the previous millennium. Since then several Paternoster carousels have been ordered for different locations. In 2007, the company moved its logistic functions to a newly built central warehouse in Lahti.**

For the new central warehouse, Koiviston Auto purchased four new Paternosters and five older ones were transferred from other premises. A further Tornado is also used in the central warehouse. All spare parts needed by the group are delivered to the new warehouse, with a total of 7500 articles in stock. The storage machines provide all their small parts storage requirements.

**Solution:**

By concentrating the purchase of spare parts and repairs of exchange parts in one location, Koiviston Auto has gained remarkable benefits. Spare parts are bought at a lower price and the freight costs have decreased. The high room space in the buildings has been utilised by the Paternoster solution, which in fact was the main reason for Koiviston Auto to choose these machines. As a result there has been overall increase in storage space.

Utilising the vertical storage provided by the machines, the picking speed has increased, at the same time the general tidiness and order has improved. Within a Paternoster there are 60 levels, each level can carry at least 400 kg. One machine may contain more than 1000 items, when another has only a few hundred items. This demonstrates the flexibility of the storage method in accommodating the different product storage requirements.

**Capacities:**

Tornado height: 5000 mm

Tray width: 3000 mm

Tray depth: 820 mm

Tray qty per Tornado: 15

Load capacity per tray: 500kg

Several Paternosters, the biggest of which:

Paternoster height: 8240 mm

Level width: 4100 mm

Level depth: 420 mm

Level qty per Paternoster: 32

Load capacity per level: 400kg