

METALS
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STRONG PARTNERS.
TOUGH TRUCKS.™

SMURFIT KAPPA



LOCATION

Eerbeek,
The Netherlands

2018

BACKGROUND

With around 46,000 staff members and 370 production facilities in 35 countries, Smurfit Kappa produces and delivers a complete range of corrugated board and solid cardboard packaging for all industries. At the site in Eerbeek, the Netherlands, the focus is on the production of corrugated packaging from rolls of paper.

Until recently, to unload the heavy paper rolls Smurfit Kappa MNL Golfkarton used 7-tonne Hyster® LPG lift trucks, but these were due for replacement. To support sustainability and social responsibility the paper producer was looking for electric alternatives.

Four suppliers were invited to deliver a test truck. Smurfit Kappa was specifically looking for a compact truck, and found that the 7-tonne test trucks had different dimensions and were often too big to manoeuvre in the space available.

HOW DID HYSTER HELP?

1. To unload heavy paper reels, Hyster and local dealer Heffiq have provided compact and sustainable 5.5-tonne capacity electric trucks which deliver comparable performance as their 7-tonne predecessors.
2. Hyster and Heffiq have delivered a unique variable spacer solution for the mast to enable the paper rolls to be unloaded from the middle of the loading floor to a lorry, overcoming the shift in load centre and reduction in residual capacity usually encountered



EQUIPMENT SUMMARY

The new compact electric trucks have the capacity to handle paper rolls that can weigh upto 3500 kg.

> HYSTER® J5.5XN ELECTRIC LIFT TRUCKS WITH CUSTOM MAST

FEATURES AND THE BENEFITS BROUGHT TO SMURFIT KAPPA

- > The Hyster® J5.5XN trucks have a lift capacity of 5.5kg, at a loadcentre of 600mm, and a three-stage mast.
- > "The 5.5T lift trucks are more compact and more manoeuvrable than the heavier predecessors. Consequently we can use our limited storage space even better. Furthermore, energy usage has been reduced, offering an attractive benefit to our cost of operation," says Tony Hinrichs, Team Manager Corrugated Board Machine at Smurfit Kappa.
- > A variable spacer for the mast, in the shape of a pantograph, has been developed to enable paper rolls to be loaded onto a lorry using a 5.5T lift truck. The mast tilts forward while the carriage moves back, bridging the gap from the loading floor to the lorry, while keeping the clamp in the correct position to lift the roll.
- > When the roll has been unloaded, the carriage and the mast return to their original position, so the rolls can seamlessly and safely be manoeuvred through the warehouse and stacked up to 6 metres.
- > For additional stability, when picking up the paper roll with the forward tilted mast there is an extra counterweight below the battery.
- > "For us this is the ultimate solution. The truck satisfies all our demands. It is sustainable, compact and efficient," says Tony Hinrichs, Team Manager Corrugated Board Machine at Smurfit Kappa.

HYSTER EUROPE

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