

*Findel wanted to calculate the additional environmental savings of their new innovation and came to Valpak for help.*

### About the Customer

Findel Education is a leading supplier of educational resources to customers in the UK and overseas. For over 180 years they have been providing schools, colleges and nurseries with everything from curriculum resources and art and craft materials, to furniture and facilities management and supplies.

### The Challenge

Findel had 11 different sizes of cardboard box which they packed goods into but after some analysis they discovered that on average the boxes were only 55% full when shipped out. As a result they initiated a project to look at how products could be packed more effectively.

Findel integrated a 'Right-Size' packaging process into their production line which means the dimension of each order is scanned into the box-making machine and a bespoke box is then assembled for the product to be packed into.

The integration of the 'Right-Size' packaging process resulted in Findel Education using 45% less cardboard to send out orders but they also wanted to understand the environmental savings of this new innovation.

### The Solution

Findel chose Valpak to help them calculate their environmental savings due to our substantial experience in carbon footprinting and life cycle analysis.

Working to Defra guidance, Valpak started by calculating the carbon footprint per cardboard box prior to the implementation of the 'Right-Size' project and then calculated the footprint following the implementation of the project. A detailed report detailing the footprinting process and results was then provided to Findel Education.

Valpak also completed additional in-bound transport analysis discussing and evaluating alternative transport routes available to Findel.



### The Benefits

The report Findel were provided with allowed them to understand the carbon benefit associated with the 'Right-Size' project. They achieved a 151,000kg reduction in carbon emissions associated with their cardboard supply.

The additional analysis around alternative transport routes also informed them of the environmental impacts allowing more informed decisions to be made.

Findel has since gone on to win the Chartered Institute of Logistics and Transport (North West Region) Environmental Improvement Award for their innovative project including the carbon benefits calculated by Valpak.



**The Chartered Institute of  
Logistics and Transport (UK)**