

IN THE NEXT ISSUE OF



Place your products in front of more than 31,300 crane, telehandler and aerial work platform buyers & users who will read the October issue of **Cranes & Access**...



THIS ISSUE WILL INCLUDE FEATURES ON:

SPIDER AND MINI CRAWLER CRANES

The spider and mini crawler crane market has evolved rapidly and continues to increase in popularity as rental companies fully appreciate these two very different compact cranes. The feature will highlight recent developments and emerging trends along with a few unusual applications.



EQUIPMENT FOR ARBORISTS

The use of cranes and aerial work platforms in the tree care market is becoming far more common and increasingly vital to tree care companies looking to increase their productivity and safety. We take a look at some of the latest product developments and techniques as well as real world applications in what is traditionally one of the most dangerous trades.

VERTIKAL DAYS REVIEW

This year's Vertikal Days show review will deliver the key events, moments, happenings and developments from what promises to be another exceptional event.



Every issue of **C&A** is also packed with our **regular columns** and **news** plus **readers' letters**, **books**, **models**, **training**, along with the latest news from **CPA**, **ALLMI**, and **IPAF**.

SPIDER LIFTS AND TRAILER LIFTS

We look at the latest developments, products and new manufacturers in this steadily growing market sector as more and more end users realise their capabilities.



Send any information, news, photographs or ideas on these subjects to
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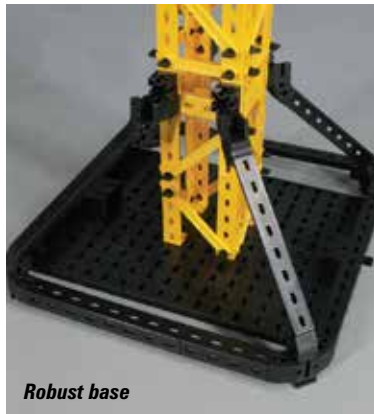
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Hoist winch on the counter jib



Spiral wound trolley winch



Robust base



The full model



Reduced configuration

LIEBHERR EC-H HIGH TOP

This model of the Liebherr EC-H High Top tower crane is built by the long-established German brand of Fischertechnik and is remotely controlled via a mobile phone using a Bluetooth connection.

The kit has more than 1,000 pieces and a substantial manual is included which shows a parts list and over 100 construction step by step set up points. The construction system is easy to follow and use, and precision and accuracy are required in following the instructions. Sticker sheets are also provided to apply the graphics.

Reeving up the hoist rope is straightforward although the trolley rope is more challenging as it has to be wound five times onto a drum which has spiral grooves.

There is no stated scale for the model but based on the cab height it scales to approximately 1:40, however, the nature of the modelling system means there is significant variation of scale in different parts of the model. The designer

has done a good job within the limits of this construction system to represent the details and proportions of the real crane and the only untidy part of the model is the electronics cabling around the receiver.

The model has three motors which drive the hoist, trolley and slewing and are controlled via Bluetooth on an iOS or Android phone with one of the counterweight boxes holding the six AA batteries required.

In use, each crane function works well. The joysticks represented in the app are proportional, so variations in motor speeds are possible. All movements can be slow enough to be realistic. Slewing and the trolley movement share a single joystick, and it requires skill to use only one function without nudging the other.

The motors are strong and the model can impressively lift and slew its rated load of 700g at minimum radius. However, the trolley movement is compromised as the rope windings can slip on the spiral drum under heavy load.

The model is large - over a metre high - robust and shows the strength of the Fischertechnik system. Although not shown in the manual, it is possible to configure a smaller version of the crane with a half-height tower and a shorter jib. It is fun to build, and the functionality works well while it gives everyone the chance to play crane driver and show their skills. It is available from the Liebherr Webshop for €250.

To read the full review of this model visit www.cranesetc.co.uk

GOING UP IN THE WORLD

A history of Simon Engineering, the development of the powered access industry and a lifetime as an engineer, by Denis Ashworth

Ashworth was a keen engineer and from an early age found himself in at the very start of the modern powered access industry.

His book is an unusual combination of autobiography and history of Simon Engineering Dudley, a pioneer of the powered access industry and at one time, the world's largest manufacturer of aerial lifts.

The coffee table sized book, is highly readable and includes around 150 photographs and drawings from the very beginning of the industry. It is a 'must read' for anyone who is interested in powered access, the hydraulic equipment industry or in comparing modern day engineering challenges with those of an entirely different era.

The book is available direct from the publishers at £19.50, plus £4.50 postage and packing.

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