

# 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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# Sennebogen 8130 EQ

The Sennebogen 8130 EQ is a dubbed by the manufacturer as a material handling machine and it is designed to be in equilibrium during the operating cycle resulting in lower operating costs and energy usage. The overall weight of the machine mounted on crawler tracks is around 140 tonnes.

This 1:50 scale model is made by ROS and it comes in a large box. Two bases are supplied, mobile - crawler tracks and a static base - and the two are interchangeable. The crawler tracks are metal and the undercarriage has plastic ballast blocks. The static base has foot pads which can be adjusted individually for levelling.

The superstructure sits on a tubular pylon, which is an interesting metal part with the pylon joints detailed with bolt heads. Ladders and handrails are plastic as is the cab and the power pack unit, so the plastic content on the model is relatively high. However the detail is good and the roof of the power pack is removable allowing the motor and switch cabinet to be seen.

The boom is metal with a plastic underside and hydraulic pipes modelled in the top. Hydraulic hoses are provided at the bottom of the boom but it all looks a little untidy compared to the real machine.

The model slews well although the review model tended to unscrew and begin rocking after being slewed too much in one direction.

The counterweights at the rear are nice metal parts with very sharp graphics, and the parallelogram linkage and loading stick are

also metal. The boom and stick movement is good and the parallelogram linkage and moving counterweights work well too. However the boom's hydraulic cylinder is not stiff enough to hold a pose without bleeding down over time. A separate pin is provided to lock the cylinder extension in a couple of positions.

The clamshell grab rotates freely and swings also. It is a metal part with hydraulic hoses and each half opens fully.

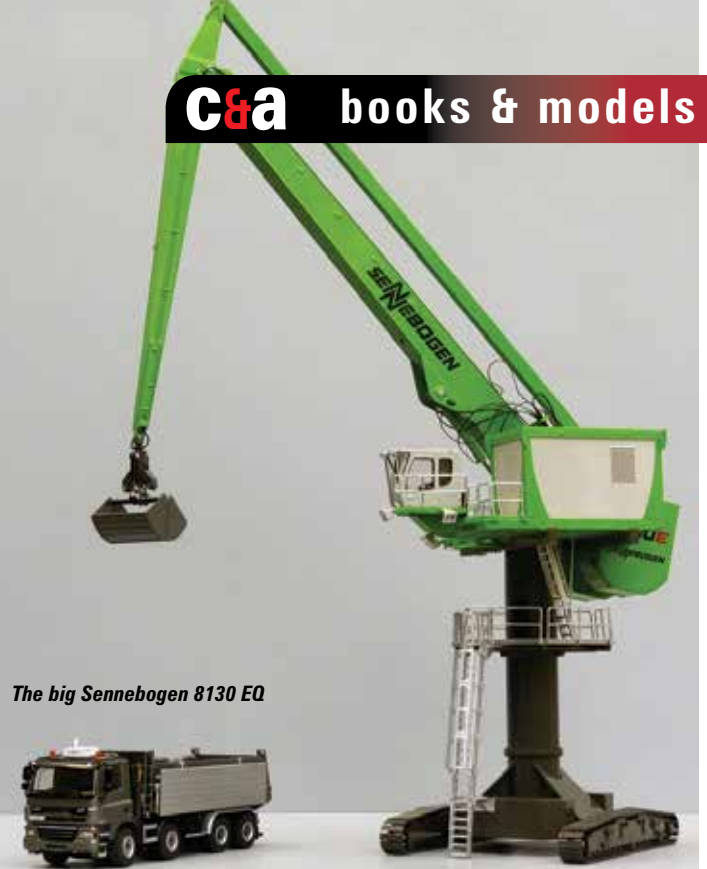
ROS has produced a good looking model for Sennebogen. It has a lot of plastic and this probably allows the cost of this large model to be kept down. It is an impressive and interesting model and can be obtained from the Sennebogen webshop for €159.

To read the full review of this model visit [www.cranesetc.co.uk](http://www.cranesetc.co.uk)

## Cranes Ect Model Rating

Packaging (max 10)	7
Detail (max 30)	23
Features (max 20)	14
Quality (max 25)	18
Price (max 15)	12
Overall (max 100)	74

Counterweight and parallelogram linkage



The big Sennebogen 8130 EQ



Alternative bases



Nicely detailed connection on the pylon



Platform is mainly plastic