

# Size does matter

Dutch heavy lift specialist Mammoet has had a range of scale models badged in its black and red livery for a number of years. In conjunction with the Dutch model maker WSI, it has now gone one step further and commissioned a model of one of its own heavy lift cranes, the Mammoet PTC III modular heavy ringer crane that is named Amalia.

The PTC is a massive crane, capable of lifting 1,600 tonnes. It is typically used in heavy lifting applications in petrochemical and power construction, a key feature is that it can be split down to container sized loads for transport.

As may be expected, the model, which is 1:50 scale, is also huge, in fact it is the largest mass produced scale model currently available.

The box it comes in weighs in at a hefty 27kg, and the crane takes around 12 hours or so to assemble, and although it is not difficult, patience is certainly required. As the model is well made, it goes together fine and the assembly instructions are detailed and helpful. When built, the PTC is extremely impressive, standing nearly two metres tall. However this model is not just about size, it is superbly detailed as well and the quality of model engineering is very good indeed. The base of the crane consists of a heavy ring with adjustable leveling feet. On top of this sits the upper structure which rests on four roller assemblies that run on the ring. Even though the crane is extremely heavy, it rotates smoothly through 360 degrees.

The superstructure is fully detailed with a maze of walkways which

The functions of the crane work very well with the winches having an efficient braking mechanism, so there is no feeling that the heavy parts of the model are not being held securely. The operator's cab is also interesting as it pops up from a container on the side of the crane, has a full tilt function and features sliding doors.

This amount of model does not come cheap, and it costs almost €1,500, which includes a DVD on the making of it a glossy brochure and a signed limited edition certificate. Not only does this buy you the world's largest mass produced scale model, but a first class one too.

Overall the Mammoet PTCIII is one of the very best models reviewed by Cranes Etc. Its massive proportions are perfectly complemented by superb details to produce an excellent model. It will not disappoint



a collector, and would look equally good in a museum or corporate office. It is available from the Mammoet Store [www.mammoetstore.com](http://www.mammoetstore.com) and there is also a dedicated website [www.ptcmodel.com](http://www.ptcmodel.com).

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

*The PTC dwarfs a Liebherr LTM1070*



*Massive upper structure*

have fine mesh floors and very good metal handrails. The whole of the machine deck is a mass of cabling which gives the model a very detailed and complex appearance. A feature of the crane is the large twin boom and back mast. These are very well made with the chord members being tubular, rather than having flat edges as in some die cast models. The sheaves are all metal, the spoked ones are particularly nice. The main hook is very heavy, and although reeving it is a lengthy operation, the end result is pleasing.



*Heavy boom construction*



*Operator's cab*



*Ring power pack*

## Cranes Etc Model Rating

Packaging (max 10)	9
Detail (max 30)	29
Features (max 20)	19
Quality (max 25)	23
Price (max 15)	12
Overall (max 100)	92%