

Liebherr LTC 1050-3.1 completes gantry crane installation in constricted conditions

- Liebherr LTC 1050-3.1 compact crane installs gantry crane at a height of ten metres
- Limited space for supporting the crane made adequate thanks to VarioBase®
- Heavy duty jib allows installation just under the hall roof

Ehingen / Donau (Germany) 01 December 2017 – A Liebherr LTC 1050-3.1 mobile crane installed a gantry crane in difficult conditions. The new 50-tonne compact crane operated by Gummersbach-based crane contractor Ley had to work in a very little space.

The production hall of a company which manufactures models and moulds based in Biedenkopf in the State of Hesse presented the three-axle compact crane with some major challenges. Little space to extend the supports and hardly enough height for hoisting work made the job a very tricky one. Nevertheless, the crane assembly was possible between the fixed workstations as a result of the VarioBase® variable supporting system. A support strut on the opposite side to the load could only be extended to 39 percent.

High lifting capacity in minimum space

The main gantry, which also had a railing, had to be placed on the crane track just under the roof of the assembly building at a height of around ten metres. It was only possible to work in these conditions using the heavy duty jib lowered to 60 percent and the hook traverse. In this configuration, the hook was just under the crane height and the compact crane had to operate with very little space above it.

The LTC 1050-3.1 driver had to ensure extremely accurate manoeuvring and use a great deal of concentration for slewing and positioning the crane gantry. Yves Chomé elevated his cabin several metres in the air to get closer to the action. "It's also a great idea for installing and removing the trolley. The cabin is really great", was the praise from the crane driver describing this helpful feature of his Liebherr crane.

Captions:

liebherr-ltc-1050-3-1-ley-1.jpg

Ingenious – the lowered heavy duty jib and hook traverse enable the LTC 1050-3.1 to move loads up to just beneath the ceiling. The crane height is actually below the top edge of the load.

liebherr-ltc-1050-3-1-ley-2.jpg

Clever – this support could only be extended to 39 percent. All made possible by the VarioBase® support system.

liebherr-ltc-1050-3-1-ley-3.jpg

A clear view – the elevating cabin gives the crane driver better visibility and thus enables him to work safely when slewing and hoisting the load.

liebherr-ltc-1050-3-1-ley-4.jpg

Made it – this photograph clearly shows the constricted space and very small distance to the ceiling. An ideal crane job for the LTC 1050-3.1.

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