­NEWS RELEASE

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**Manitowoc’s Zhangjiagang, China, team launches largest Potain topless crane for key Asia-Pacific and Emerging markets**

* *The new Potain MCT 805 topless tower crane is designed with an 80 m jib and is offering 32 t and 40 t versions*
* *The Potain MCT 805 is an affordable, high-quality crane manufactured in Zhangjiagang, China. It will target customers in Asia, Australia and New Zealand, the Middle East, Africa, and Latin America*
* *The containerized design makes it easier to transport, and it sets up twice as fast as standard 40 t tower cranes.*

Customers in Asia-Pacific and Emerging markets have an exciting new high-capacity topless tower crane available, the Potain MCT 805 which is manufactured at Manitowoc’s Zhangjiagang, China factory. The new model offers strong performance and complies with international standards and requirements. The new model, which is similar to the MDT 809, is available in 32 t and 40 t capacity configurations, with an 80 m jib and a height under hook of 84 m. This high working height comes courtesy of the reinforced K-mast system with newly developed installation bases. In particular, customers will find that the 8 m cross-shaped base offers performance characteristics more commonly associated with a 10 m chassis.

With a counter-jib no longer than 27.3 m enabling an impressive 7.5 t capacity at 80 m reach, the tip load of the M32 and M40 configurations is ideally suited to meet the growing need for lifting heavier loads within confined job sites. The maximum 32 t load capacity of the M32 version is available to distances of well over 22 m, while on the M40 version the 40t maximum load can be handled out beyond 18.5 m.

Frequency-controlled hoists are available in a number of variations; two highlights are the 150HPL80 on the M32, which can lift 1.8 t at 151 m/s, and the 270LVF100 Optima on the M40, which can raise 3.5 t at 162 m/s. For both the M32 and M40, a maximum drum capacity of 1,063 m of rope is available if fitted with the larger hoist option. Customers can choose from a two-fall configuration on the trolley for faster lifting, or four-falls for heavy lifting.

**Boxing clever**

While other 40 t capacity cranes can typically require up to 14 containers for transport, the rotating section of the MCT 805 can be moved in either 10 or 11 loads depending on how the crane is being transported. All jib sections fit inside a standard container, making it a compact transport solution. This is possible thanks to a jib design measuring just 1.55 m wide and under 2.5 m high.

With best-in-class transport and erection requirements for a crane of 800 mt (on par with 450 mt cranes), the Potain can set up twice as fast and requires less space than conventional 40 t cranes. With its full 80 m jib, the crane can be assembled to a 50 m working height in less than three days.

In addition to being more convenient to transport, the 8 m cross-shaped base is also easier to set up than its 10 m alternative. It consists of a main girder and two half cross-girders that connect easily with pins. Mast and jib section lengths have also been designed to perfectly match customer requirements, including the 10 m mast for rapid erection, 5 m mast for telescoping, and 3.33 m mast for fine-tuning height.

Using the dedicated slinging points and connection systems for faster and simpler on-site assembly, the jib can be built up in 5 m increments from 30 m to 80 m, either on the ground or in the air, depending on site conditions and available space. Its modular design without tie bars enables several configurations in addition to the lighter package weights.

The rotating cab and easy-connect points for the folding counter-jib further simplify erection. Once the wired towerhead/cab assembly has been fitted, there is no need to dismantle it between jobsites.

**Advanced designs**

“The advantages of fast assembly and compact design is really driving the growth in demand for topless cranes, but the growing popularity of modular construction methods is also creating greater need for higher-capacity models,” said Thibaut Le Besnerais, vice president, brand, and product management for tower cranes at Potain Manitowoc.

“So the early success of the MDT 809 made it apparent that other regions served by our Zhangjiagang factory would also enjoy the benefits of its innovations, making the decision to launch the MCT 805 relatively easy. But those innovations don’t stop at performance, transport, and assembly – for instance, there are several new features that simplify servicing, such as the jib design that aids access to key crane components.”

Launched at bauma 2019, the MDT 809 was an immediate hit and quickly became a key part of major construction projects across Europe, Asia, Oceania, and the US. Since then, it has been used on several high-profile projects, including the rebuilding of Paris’s Notre Dame Cathedral. Due to this, it was awarded the prestigious ‘Tower Crane Project of the Year’ award by DLR and SPMDG in 2020, two respected trade bodies involved with the lifting industry. Other MDT 809 cranes have featured on large projects including the [FAIR particle accelerator facility](https://www.manitowoc.com/company/news/strabag-deploys-potain-mdt-809-topless-crane-for-fair-particle-accelerator-facility-construction-in-germany) in Darmstadt, Germany, and the [City Ridge](https://www.manitowoc.com/company/news/schuster-concrete-construction-commissions-first-potain-mdt-809-us) development in Washington, D.C.

The MCT 805 will be available in China and the rest of Asia, Australia and New Zealand, the Middle East, Africa, and Latin America markets.

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ABOUT THE MANITOWOC COMPANY, INC.
The Manitowoc Company, was founded in 1902 and has over a 119-year tradition of providing high-quality, customer-focused products and support services to its markets. Manitowoc is one of the world's leading providers of engineered lifting solutions. Manitowoc, through its wholly-owned subsidiaries, designs, manufactures, markets, and supports comprehensive product lines of mobile hydraulic cranes, lattice-boom crawler cranes, boom trucks, and tower cranes under the Aspen Equipment, Grove, Manitowoc, MGX Equipment Services, National Crane, Potain, and Shuttlelift brand names.

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