­NEWS RELEASE

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**Manitowoc’s Zhangjiagang facility launches largest Potain topless crane for Asia and beyond**

* *The design of the new Potain MCT 805 is based on the company’s MDT 809, which is built at the company’s factory in France; with an 80 m jib offered in 32 t and 40 t versions*
* *Like all cranes built at the Manitowoc factory in Zhangjiagang, China, the Potain MCT 805 is an affordable, high-quality unit that will be targeted at customers in Asia, Australia and New Zealand, the Middle East, Africa and Latin America*
* *It has a containerized design making it easier to transport and is designed to set up twice as fast as standard 40 t-capacity tower cranes.*

Large sections of customers from Asia to Latin America have an exciting new high-capacity topless tower crane available, the Potain MCT 805. It is Manitowoc’s largest-ever Potain topless crane from its Zhangjiagang, China factory. The new model offers strong performance and complies with all the latest international standards and requirements. Like the MDT 809, the new unit is available in 32 t and 40 t maximum capacity configurations, with an 80 m jib and a height under hook of up to 84 m. These high working heights come courtesy of the reinforced K-mast system with newly developed installation bases. In particular, users 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 40 t maximum load can be handled out beyond 18.5 m.

A range of frequency-controlled hoist options are offered; two highlights being the 150HPL80 that can lift 1.8 t at 151 m/min on the M32; and the 270LVF100 Optima of the M40 that can raise 3.5 t at 162 m/min. 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. Users 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 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 sections, bar its slewing mechanism, can be fitted into a standard container making it a compact transport solution that has largely been made possible courtesy of a jib that is just 1.55 m wide and under 2.5 m high.

Boasting best-in-class transport and erection requirements for an 800 mt topless crane (on par with a typical 450 mt crane) the new Potain is designed to set up twice as fast as a standard 40 t-capacity crane, while requiring less space to do it. With its full complement of jib, the crane can be assembled to a 50 m working height in less than three days.

Comprising a main girder and two half cross-girders that connect easily using pins, the 8 m cross-shaped base is not only easier to transport but also faster to set up than the 10 m alternative. 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 Potain tower cranes.

“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. It has since been installed on a number of high-profile projects, including on the rebuilding of Paris’s iconic Notre Dame Cathedral. For this, it received the prestigious ‘Tower Crane Project of the Year’ award for 2020 as part of the annual industry awards program run by DLR and SPMDG, two 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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| Social media caption |
| The Potain MCT 805, which shares many design characteristics with Manitowoc’s largest topless crane, the MDT 809, is now being manufactured in China for customers in Asia, the Middle East, Latin America, Africa and more. Read more here [LINK].  |

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ABOUT THE MANITOWOC COMPANY, INC.

The Manitowoc Company, Inc. 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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