

Launch of the largest flat-top WOLFF crane – WOLFFKRAN extends *clear* line in the XL range

Munich – January 2016. Higher, faster, further is the credo on construction sites around the world. WOLFFKRAN is following this trend with the continuous extension of its range. The premium manufacturer released its first XL flat-top crane WOLFF 7032 *clear* at bauma in 2013. Three years later the biggest *clear* crane ever from Heilbronn is waiting in the starting blocks. The WOLFF 7534 *clear* meets customer demands hands down for even bigger, more powerful and, at the same time, more economical cranes, especially for inner-city building projects.

Ever tighter timeframes, ever heavier components and ever smaller spaces. These are the common features that characterize the construction sites of today, especially those in big cities. "The demands made on cranes are continuously pushing capabilities to the limit," says Ulrich Dörzbach, Managing Director and Head of Research and Development of WOLFFKRAN GmbH. "With our latest addition, the WOLFF 7534 *clear*, we are extending the *clear* line into the 315 mt range. It is our most powerful *clear* crane yet, without compromising on the advantages of a flat-top design," states Dörzbach.

A tailored performance

The new trolley jib crane is available in two versions, making it suitable for work on every kind of construction site: the 7534.8 *clear* is a purely double-reeved crane with a maximum load capacity of 8.5 tons and the 7534.16 *clear*, which can be reeved from 2-fall to 4-fall operation, with a maximum load capacity of 16.5 tons. The maximum tip load capacity at a 75-meter jib radius is 3.4 tons in 2-fall operation. Fast working speeds are guaranteed by the proven hoisting winches with 45 kW and 75 kW. While already the small winch provides for a hook path of 190 meters, the bigger winch can reach a remarkable hook height of up to 460 meters in the 2-fall operation (230 meters in the 4-fall operation) and partial load working speeds of up to 185 m/min. "We are also working on a completely new double-reeved winch that will be even stronger," reveals Gerd Tiedtke, Product Manager at WOLFFKRAN. All winches are fitted with an automatic power reduction function. If the mains supply is weak or overloaded, power output can be throttled

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in just a few simple steps and the crane optimally adjusted to the needs of the respective construction site.

A pleasure to work with

A WOLFF is nothing without its crane operator. And just like all the other WOLFFs, the new WOLFF 7534 *clear* offers crane drivers comfort and safety as standard. The modern WOLFF *Cab* is worth a particular mention here. It has an optimized field of vision, plenty of room and storage space, an ergonomically designed control panel, a modern heating and air conditioning system and up-to-date technology that includes an SD-/USB port, hands-free bluetooth and a touch screen PC, for unrivalled comfort and practicality. The hoist drive regulated by a frequency converter that was developed by WOLFFKRAN in the early 1990s, facilitates the most favorable handling and allows the crane operator to move and position elements with the greatest precision. The cabin platform offers the best possible access to the switch cabinet, facilitating for easy communication between service technicians and the crane driver. Despite its compact design, the WOLFF 7534 *clear* allows for easy access to the slewing gear and cabin platform.

Although “top”less, top with regards to assembly and transport

The cab station is so compact that it can be transported and assembled as a whole. It is attached to the crane with just two bolts. Once connected to power, the crane's slewing part can be comfortably rotated to support the assembly process. Further, the slewing part is a fully preassembled unit requiring no further work on site for its assembly.

As with all the other cranes in the *clear* series, the WOLFF 7534 *clear* is particularly space-saving: On construction sites with restricted space, several cranes can easily swing one above another. Like all WOLFF flat-top cranes, the WOLFF 7534 *clear* scores with a very clean and uncomplicated design of the crane top and easy access to all parts. The construction without a tower top offers the added benefit that the jib can be entirely assembled in the air. This is beneficial in case only a small mobile crane is used for the assembly or not enough space on the ground available for a full preassembly. Attachments such as the hoisting winch, railings and bracing rods are preassembled on the counterjib. The 2.7-ton concrete counterweights are all the same size and easily and safely fitted on the counterjib using the proven quick-release axle system.

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Economical transport solutions are becoming increasingly important in a globalized world. Despite it being an XL crane, the WOLFF 7534 *clear* is constructed in such a way that all the components are optimized for container transport. The two-tier counterjib can be folded down or separated for transport purposes, and it fits on a regular truck or semi-trailer in one piece. To reduce the weight during transport and the assembly process, the platform carrying the hoisting winch can easily be separated from the counterjib.

High-end equipment as standard

It goes without saying that this new WOLFF offers all the usual comfort and safety features as standard. "With our high-quality cabs, galvanized substructures, railings and platforms, and the extensive WOLFFKRAN technology, such as the fleet management system WOLFF *Link*, the anti-collision interface, working range limitation system and slack rope monitoring, as well as the WOLFF safety crane controls with BUS technology and WOLFF *Boost*, WOLFFKRAN offers standard equipment that is unequalled in the market, not just in the new WOLFF 7534 *clear*, but in all WOLFF models," says Ulrich Dörzbach.

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With a tradition spanning over 150 years, WOLFFKRAN is one of the leading manufacturers and rental companies of high-quality tower cranes in Central and Eastern Europe, the Middle East, North America, Australia and Hong Kong. The rental fleet comprises more than 750 WOLFF cranes worldwide. Its headquarters are in Zug, Switzerland and it has manufacturing sites in Heilbronn and Luckau, Germany, as well as international subsidiaries around the world. It employs a global workforce of approx. 800 people.