

## PRESS RELEASE

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### **WOLFFKRAN presents the WOLFF 166 B US hydraulic luffing jib crane at Conexpo 2020**

*Las Vegas – January 2020. After the successful introduction of WOLFF luffing and saddle jib cranes with middle to high lift capacities for the US market, WOLFFKRAN is now following suit with one of its smaller luffing jib cranes, the WOLFF 166 B. The new crane is compliant to US electrical standards and all US requirements regarding structural components, naming it WOLFF 166 B US.*

Due to its impressive performance and an extremely compact design, the WOLFF 166 B has quickly developed into a bestselling crane for reinforced concrete structure projects on space restricted inner-city job sites since its launch in 2012. Unlike conventional luffing jib cranes with a winch driven luffing gear, the WOLFF 166 B US is fitted with a compact hydraulic luffing mechanism which eliminates the classical tower top and reeving of the luffing rope, making both transportation and assembly more efficient. The hydraulic luffing design also allows for a smaller out-of-service jib position, which is particularly important on constricted city construction sites.

#### **Convincing performance**

The WOLFF 166 B US offers a maximum load capacity of 26,460 lbs (12,000 kg) in 2-fall operation and 13,230 lbs (6,000 kg) in 1-fall operation. The jib line-up ranges from 82 ft (25 m) to 180 ft (55 m) and can be extended in 16.4 ft (5 m) increments. With a 164 ft (50 m) jib it achieves a best-in-class tip load capacity of 7,270 lbs (3,350 kg).

Equipped with a powerful 60 kW hoist winch the WOLFF 166 B US offers a hook path of 1,640 ft (500 m) and line speeds of up to 377 ft/min (174 m/min) in 1-fall operation and can be built up to a free-standing tower height of 306 ft (93,2 m) thanks to the modular WOLFF tower system.

The hydraulic luffing cylinder with load sensing control automatically regulates the luffing speed according the load which results in a remarkable luffing movement from maximum to minimum jib radius in only 90 seconds with an economical 22 kW motor. The on-site connected power requirements sit at a low 91 kVA with 480 V.

**WOLFFKRAN  
International AG**  
Simone Engleitner  
International Marketing  
Baarerstattstr. 6  
Ch-6300 Zug  
Tel + 41 41-766 85 00  
Fax + 41 41-766 85 99  
s.engleitner@wolffkran.com  
www.wolffkran.com

**PR contact**  
Noelia Aehnelt  
Rumfordstr. 5  
D-80469 München  
Tel + 49 89 23 23 90 980  
Fax + 49 89-23 23 90 99  
aehnelt@headline-affairs.de  
www.headline-affairs.de

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### **Optimized assembly and maintenance**

Both the hydraulic cylinder and the hydraulic unit are installed in the connecting block as a compact unit. Thanks to this design, the hydraulic lines do not need to be disconnected for transport and assembly, saving time and cost for erection and installation. The connecting block can either be lifted onto the tower alone or as a pre-assembled unit together with the slewing frame and lower section of the tower top.

The hoist winch of the WOLFF 166 B US is conveniently positioned on the jib allowing safe pre-reeving of the hoist rope on the ground prior to installation and offering easy access in case of scheduled maintenance.

### **Standard features for increased efficiency and safety**

The WOLFF 166 B US is fitted with the latest WOLFF CAB crane cabin providing optimal visibility and overview, a fully adjustable seat and ergonomically designed control panels providing a comfortable place of work for the operator. The cabin platform with the cabin and switch cabinet comes pre-assembled as a single unit ex-works and can be attached to the crane in just one step.

Further standard features facilitating safer and more efficient operation include the remote data transmission system WOLFF Link, an anti-collision interface for all major anti-collision systems, a working range limitation, electrical central lubrication of the slewing ring, a temperature-controlled switch cabinet with heating and ventilation and a slip ring system in the lower part of the tower top for an optimal signal transmission.

### **Live at Conexpo**

The WOLFF 166 B US will be showcased on a WOLFF City Portal (CP 690) that adapts a standard WOLFF Cross Frame (KR 12-60) by means of adding support legs into a convenient solution allowing traffic to flow underneath the crane.

WOLFFKRAN will be exhibiting in Booth F5832 on the Festival Grounds at Conexpo 2020 in Las Vegas.

**WOLFFKRAN  
International AG**  
Simone Engleitner  
International Marketing  
Baarermattstr. 6  
Ch-6300 Zug  
Tel + 41 41-766 85 00  
Fax + 41 41-766 85 99  
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Rumfordstr. 5  
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Tel + 49 89 23 23 90 980  
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Photos and captions:



The WOLFF 166 B US is fitted with a compact hydraulic luffing mechanism.

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The WOLFF 166 B US comes with the latest WOLFF CAB crane cabin.

WOLFFKRAN is a leading manufacturer of premium quality tower cranes with a tradition spanning over 150 years. With its own rental fleet of some 700 tower cranes it is also one of the largest crane rental businesses in the world. WOLFFKRAN is headquartered in Zug, Switzerland and has manufacturing sites in Heilbronn and Luckau, Germany, and Lkhovitsy, Russia. It currently employs a global workforce of approx. 800 people in its three manufacturing sites and its sales and service subsidiaries located across Western and Central Europe, the Middle East and the United States.