



Liebherr presents gear grinding machine and metrology at Motion + Power Technology Expo in Detroit

- **New gear grinding machine LGG 400 from Liebherr**
- **LGG 400 M is ideal for machining of long shafts**
- **The new product segment at Liebherr: metrology**

Saline (Michigan, USA), August 2019 – **Based on the proven LGG 280 generating grinding machine, Liebherr is presenting the larger LGG 400 M model at Motion + Power Technology Expo in Detroit. Furthermore, Liebherr will showcase its line of gear measuring machines.**

The LGG 400 M has been developed with an eye towards aerospace and job shop customers. It fits into the same footprint as its little sister, the LGG 280, but has grown in height. With a different housing and a column extension, it is perfect for machining long shafts because the travel of the main and counter column has been extended.

"Our users can utilize a variety of grinding heads for internal and external gears," says Oliver Kraft, Manager Development and Design of Gear Cutting Machines at Liebherr-Verzahntechnik GmbH. "They can perform generating grinding with high productivity on workpieces up to 280 millimeter in diameter or profile grinding on even larger

components up to 400 millimeters. This means even greater flexibility than its sister machine."

Ideal for long shafts

The concept came about from the requirements of the market. Long shafts with small diameters have come into demand, required by customers in the aerospace and job shop industries—often for short runs. Liebherr offers an optional crane for optimal handling of large parts. "We have ergonomically adapted the machines overall," Kraft explains. "Due to the height, we have incorporated fold-out stair steps so workers are better able to reach the working area. Large viewing windows provide the operator with the best possible overview of the working area and the process."



New product segment: metrology

For the first time, Liebherr will be presenting its extended product portfolio in the US. The WGT series of measuring technology closed the gap in the closed-loop sector. The four-axis measuring devices are equipped with high-precision mechanic and electronics, which are controlled by intelligent and user-friendly software. The combination of granite guides and air cushioning creates maximum precision with wear-free mechanics. In addition to the gear inspection machine options available as standard, customer-specific solutions are also available, such as extending the travel

range on the Z-axis, longer tailstocks to accommodate long shafts, and rotary tables adapted to the payload. Liebherr will exhibit the gear measuring machine WGT 280.

From 15-17 October 2019, visitors can experience the gear grinding and gear measuring machine and receive more information on Liebherr's broad product portfolio at booth 3413 at the Motion + Power Technology Expo.

Captions

Motion + Power Technology Expo, Detroit

Booth 3413

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