

### **Liebherr to present innovative gear technology and automation solutions at EMO 2019**

Kempton (Germany), August 2019 – **Liebherr-Verzahntechnik GmbH will be present with three stands at EMO. Under the motto “Smart technologies driving tomorrow’s production!”, the company will be presenting numerous exciting innovations from the fields of gear technology (hall 26, booth A90), automation systems (hall 13, booth B65), and gear cutting tools (hall 4, booth E81). The international trade fair will take place from September 16 to 21 in Hanover.**

In hall 26, booth A90, visitors can discover innovations in the field of gear technology. With the LC 80 WD worm milling machine, Liebherr offers a solution for the productive and economical production of worms that is perfectly suited for series production of automotive steering worms and for a variety of industrial worm applications. In addition, the worms can be chamfered or brushed during machining. The LK 180/280 DC is the new generation of gear skiving machines, which is characterized by a machine-integrated tool changing system with up to 12 storage locations. In addition to chamfering during machining, this offers the option of additional Skiving<sup>Plus</sup> functions such as turning, drilling, milling or measuring. Liebherr also has a lot to offer in the field of shaping: The LS 180 E gear shaping machine with electronic shaping head stands out due to its enormous flexibility, as it can machine straight and helical gears in one clamping device and can therefore shape several gears on one workpiece. Anyone who appreciates fast setup and short idle times during generating grinding will be interested in the LGG 180/280 generating gear grinding machine. This series offers topological generating grinding with galvanically bonded CBN tools. The dressing-free grinding tools combine high tool quality, simple handling and a very long tool life.

#### **Metrology celebrates premiere**

For the first time, Liebherr will be presenting its extended product portfolio of gear technology at the trade fair. The WGT series of measuring technology closes the gap in the closed-loop sector. The four-axis measuring devices are equipped with high-precision mechanics 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 adjusting the travel range on the Z axis, longer tailstocks to accommodate long shafts, and rotary tables adapted to the payload.

### **Gear cutting tools in a new guise**

In the field of gear cutting tools, the company presents tools with the new standard material ASP 2052 and Alcrona Pro coating. This ensures that the tools meet the increased requirements for cutting speeds and materials to be machined (hall 4, booth E81).

### **New solutions for automated manufacturing**

The broad product portfolio of automation systems can be found in hall 13, booth B65. This includes the new compact series of the PHS Allround pallet handling system with optional double loader, which enables users to enter automated manufacturing with machining centers. With the LPC 3400/3600, Liebherr will also be presenting the new robot-based palletizing cell, thus offering a universal automation solution for machine tools for the turning, milling and grinding of gearbox components with cage stack logistics. Also present at EMO is the new bin-picking software LBP3, the system that brings order to chaos. This innovation sets new standards in process reliability for the removal of bulk material from deep lattice boxes. Liebherr is also innovative in the field of Automated Guided Vehicles (AGV). With the AGV intralogistics concept, the company offers manufacturing systems that can be flexibly adapted to changing requirements with regard to production capacity and sequence (hall 13, booth B65).

Visitors can find out more about the entire Liebherr product portfolio in the field of gear technology and automation systems from 09/16 – 09/21/2019 at EMO Hanover.

### **Gear cutting machines and metrology**

**Hall 26, booth A90**

### **Gear cutting tools**

**Hall 4, booth E81**

## **Automation systems**

**Hall 13, booth B65**

### **Captions:**

[liebherr-automatic guided vehicle.jpg](#)

Automatic guided vehicles open up new possibilities for connecting machines and systems

[liebherr-Wälzschälmaschine lk280dc.jpg](#)

The gear skiving machine LK 180 / 280 enables parallel chamfering

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