

Press release April 2020

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Planning certainty for exports

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## **Faster permit procedure in North America**

**The procedure for obtaining an operating permit for machines and production plants in the USA or Canada is rather like an obstacle course. UL-certified positioning drives from Lenord + Bauer make the machine acceptance process much simpler.**

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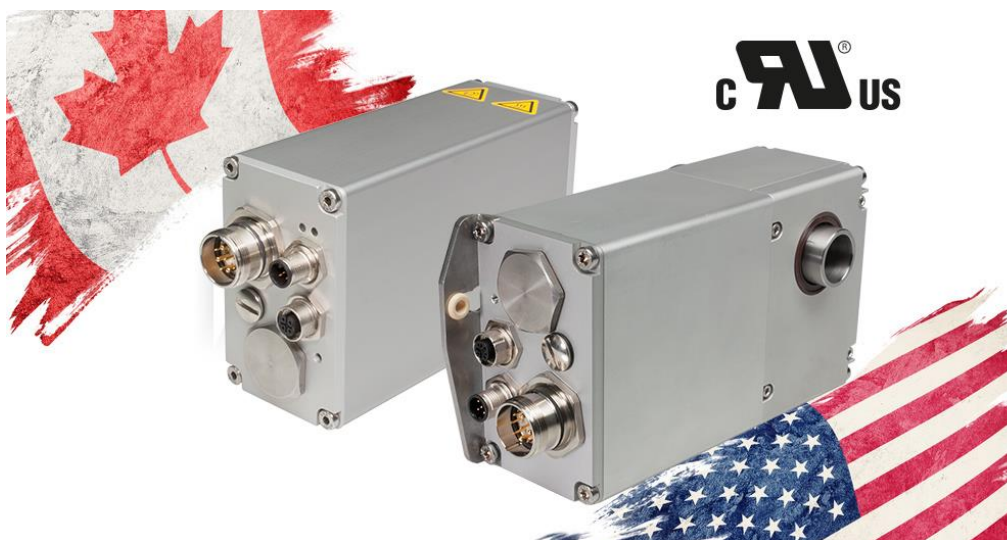
North America is an attractive market for manufacturers of packaging machinery. Prior to commissioning, however, testing is required before an operating permit can be obtained. All electrically controlled devices and systems must be tested by an authorised body. Furthermore, special safety requirements apply to electrical components due to possible fire risks. These requirements stem, for example, from the standard NFPA 79 published by the National Fire Protection Association. Components certified by Underwriters Laboratories Inc. (UL) or the Canadian Standards Association (CSA) are one way of simplifying the procedure for obtaining an operating permit for machines.

To counter the difficulties met by its customers seeking permits for their machines in North America, Lenord + Bauer has had its positioning system tested by UL. The SeGMO system is a plug-and-play solution consisting of up to five positioning drives, the control unit SeGMO-Box and the one-cable solution including connectors. The components of this system solution first received the "UL Recognized" and "UL Listed" approval marks for the USA and Canada back in 2017. Lenord + Bauer has now completed the "cULus Component Recognition" process for its stand-alone drives as well.

Each SeGMO is a complete mechatronic unit containing an absolute position sensor, a powerful gear, a BLDC motor and a power amplifier.

A selectable Ethernet interface ensures communication with the machine control system.

The UL/CSA approval marks certify that the SeGMo components meet the applicable standards pursuant to UL 61800. As such it also conforms to NFPA 79 and the wiring is as per American Wire Gauge (AWG). This accelerates the permit procedure for the machine manufacturer, which in turn enhances planning certainty for exports to the USA and Canada.



*Figure 1: Positioning drives with cULus Component Recognition simplify the procedure for obtaining operating permits for machines in North America*

**About Lenord, Bauer & Co. GmbH:**

We are an international specialist in the field of motion sensors and integrated drive technology. We develop, produce and distribute technology-leading solutions for the mobility and machinery sectors. Our activities are focused on railway rolling stock, machine tools and packaging machines. Our customers have been benefiting from our considerable technical consultancy skills and expertise in customer applications for more than 50 years.

Lenord + Bauer is certified according to DIN EN ISO 9001 and 14001, as well as IRIS.