

TRANSPORTATION

Major School Bus Manufacturer Streamlines Assembly with Cleco NeoTek® & Intelligent Spindles

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At their U.S.-based production facility, Blue Bird®, a leading school bus manufacturer, sought a tightening solution that could reduce assembly complexity while ensuring strict torque accuracy across a diverse range of platforms, including electric, propane, gasoline, and diesel-powered buses. Competitor tightening systems required multiple tools per station to meet torque requirements, adding cost & operator complexity, and putting efficiency at risk. With growing demand for production flexibility and improved operator ergonomics, the manufacturer needed a streamlined fastening solution that could boost productivity and reliability.

Cleco's engineering and application specialists partnered closely with engineers at Blue Bird to deliver a tailored solution built around NeoTek® and Intelligent Spindles. The flexible system allowed each station to meet all torque requirements with a single tool—reducing the need for redundant equipment and lowering overall cost. Drawing from Cleco's proven success with U-Bolt equipment at other heavy truck manufacturers, the customer gained confidence in the solution's long-term reliability.

The deployment also included innovative articulating arm solutions to improve operator ergonomics and productivity. With strong local application engineering support and system-level expertise, Cleco displaced incumbent competitors and provided a superior tightening platform. The solution delivered fastening precision, efficiency gains, and a more streamlined assembly process while positioning the plant for scalable adoption across production lines.

With Cleco Tools in place, the manufacturer now benefits from a cost-effective, ergonomic, and reliable assembly process. The success at this U.S. facility paves the way for broader deployment across additional plants, reinforcing Cleco's role as a trusted partner in advancing assembly innovation for the bus industry.

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