

Automated Tightening System

One of the essential aspects of trailer manufacturing is ensuring wheel lug nuts are correctly tightened. Over-tightening and under-tightening can cause significant safety critical issues for manufacturers and end users, and trailer manufacturers may be held responsible for these errors through warranty claims.

The Automated Tightening System accurately tightens all lug nuts to the proper specs and records all tightening information in an internal database. This system utilizes a wheel-multi tool comprised of Bosch Rexroth tightening spindles, optional LED positioning lights, and a multi-channel display.



How It Works

1. The operator uses the wheel-multi tool to tighten all lug nuts simultaneously.
2. A multi-channel display shows the torque specs and indicates when the lug nuts have been tightened.
3. The system automatically stops when the lug nuts have been appropriately torqued.
4. All tightening data is recorded and sent to an internal database.

