

Automated Lubrication System

During trailer manufacturing, every axle must be correctly lubricated to prevent safety critical issues for manufacturers and end users. Over-lubrication and under-lubrication can cause errors that the trailer manufacturer is accountable for and may have to cover the costs of through warranty claims.

The Automated Lubrication System ensures consistent, proper lubrication by lubricating each trailer axle with the correct material and amount. The system then automatically records all lubrication data in an internal database. Keeping a detailed data record allows the system to provide a safeguard for trailer manufacturers and end users.



How It Works

1. The trailer is scanned with a handheld scanner.
2. The system reads the serial number and knows which lubrication is needed.
3. A light signals that the system is ready to begin lubrication.
4. The operator moves the hose to plug into the axle and actuates the metering valve.
5. The lubrication system automatically stops when the correct amount has been dispensed.
6. All lubrication data is recorded and sent to an internal database.

Schedule a Consultation

Call 248-373-1600, email info@morrellinc.com, or visit

morrell-group.com/automated-lubrication-system-by-morrell-group/

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 Lubrication 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.

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