

Solutions Spotlight: Tiffin Motorhomes - Red Bay Axle Scale Project

The Company

Tiffin Motorhomes is a family-owned and operated luxury motorhome manufacturer located in Red Bay, Alabama. The company strives for quality over quantity, limiting production to 12 coaches a day to ensure quality craftsmanship.

The Challenge

Tiffin Motorhomes needed one scale system to measure all inventory – motorhomes of various lengths and with various numbers of axels and wheels. To properly measure the units, each wheel must be on its own scale. Prior to purchasing the scales and system from Kanawha, Tiffin’s process for weighing was cumbersome, requiring many starts and stops, getting out of the motorhome multiple times to ensure the wheels were on the old scales correctly and manually noting and calculating data. They must also comply with government regulations. Additionally, Tiffin sought a data collection solution that would submit scale information directly to their ERP system.

The Solution

Kanawha Scales & Systems installed four Rice Lake 14-foot steel AX3040 Axle Scale Decks, two Rice Lake seven-foot steel AX3040 Axle Scale Decks, and our 920i custom data collection system. The 920i features a remote display message for correct placement of the RV, scans production number, collects each platform weight and time/date information for retrieval by Tiffin’s custom software. The custom PC software was installed on the existing SAP workstation and communicates with the 920i instrument over an Ethernet-based connection. Upon startup, the software connects to the 920i instrument and continuously monitors for any stored records in the 920i local storage. If records are found, they are extracted and stored in the SQL server table, per Tiffin’s specifications.





The Results

Kanawha Scales provided Tiffin Motorhomes with a simplified RV weighing process and a custom built and automated data collection software program that has improved speed, accuracy, and compliance.



"I was very skeptical about the change we were making, concerned that the new system would require daily maintenance and oversight from me, taking me away from other responsibilities. I am happy to say that is absolutely not the case. With Kanawha's scales and the customized software solution, we are easily gathering necessary data in real-time. Everything is smooth. I'm sorry we didn't have this solution 10 years ago. – Gary Harris, Chassis Plant Manager – Tiffin Motorhomes