

AC60-LP™ Solving Positional Sensitivity for MRO

Amman, Jordan based Joramco (Jordan Aircraft Maintenance Limited) has been in operation for over 50 years, and are currently servicing aircraft ranging from Embraer 175 regional jets to A330 and B777 widebody aircraft. Weighing operations used to rely on hydraulically-actuated scales purchased from a different manufacturer, which required exact wheel placement that caused delays and a lack of repeatability between weighings. When the time came to purchase a new set of scales, a lack of position sensitivity was one of the criteria to help improve operational efficiency.

“Positioning the tires almost anywhere on Intercomp scales’ active weighing surface will result in accurate and repeatable weighing. Joramco’s weight and balance team noted the decreased effort, and therefore time saved, vs. their older hydraulic scales.”

M. Browne – Quality Manager

Weighing aircraft on platform scales requires rolling on and off the platform between weighments. With hydraulically-actuated scales, repeatability can be poor, requiring extra weighings to be made, or having subsequent weighings appear out of tolerance. This is due to the varying mechanical properties of hydraulic load cell components and their differing span factors, which leads to positional sensitivity when using hydraulic scales.

By selecting Intercomp [AC60-LP™ Low-Profile High Capacity Aircraft Scales](#), Joramco acquired scales which are capable of weighing narrow and widebody aircraft, easily deployed in 5-10 minutes, and, most importantly, do not have position sensitivity. Fully-electronic scales have solid-state load cells, and each has a span value to eliminate wheel position sensitivity on the scale. All Intercomp Aircraft Scales are cornered during post-production calibration, enabling accurate and repeatable weights and the freedom to position the wheel anywhere on the pad to get the same weight reading.

In addition to replacing their scales with the AC60-LP™, Joramco added the [CSA™ Automated Test Stand](#) for their calibration lab. Fully automating the calibration process with NIST traceable load cells, applying force, documenting results, and aligning a scale can be done within 30 minutes with minimal user input. This allows scales to be returned to service after calibration as quickly as possible. The combination of scales and test stand enable Joramco to rapidly, accurately, and consistently weigh aircraft for years to come.

For more information about Joramco: <http://www.joramco.com.jo/>



AC60-LP™ Low-Profile High Capacity scales weigh narrow and widebody aircraft.



Intercomp scales accurately and repeatably weigh aircraft when the wheel is on the active weighing surface.



The AC60-LP™ comes in a kit with spacers for different types of aircraft, and is rapidly deployed without ever lifting a scale.