

## FOR A SAFE TAKE-OFF & LANDING

'Aviations first patented tolling safe guard solution to cross checking any aircrafts total weight, whilst in-motion, prior to take off...'

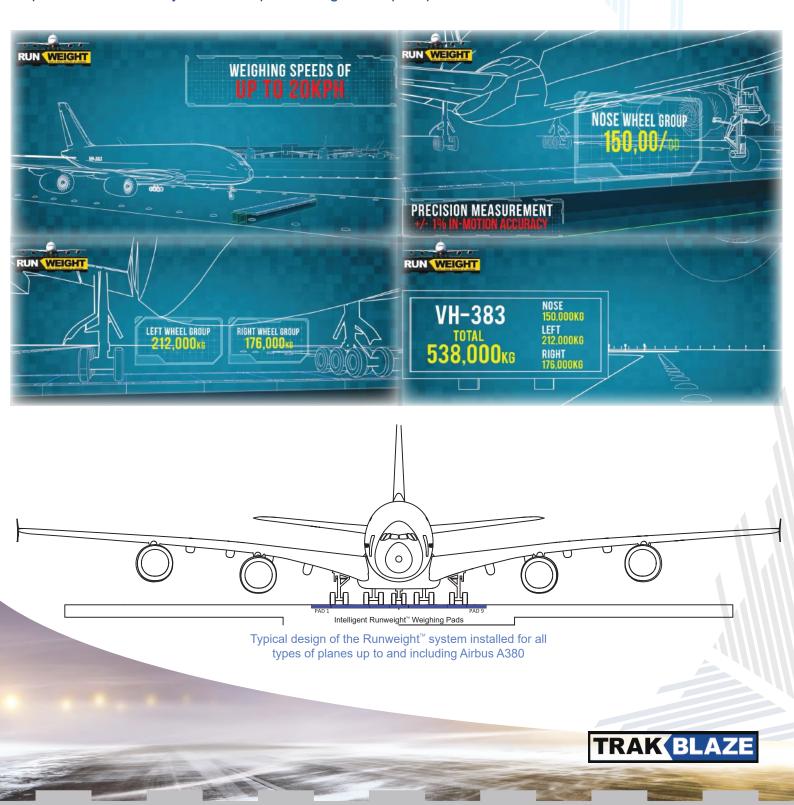


## WHAT IS **RUNWEIGHT**™

Runweight<sup>™</sup> is an intelligent Weights and Balances System that is integrated seamlessly into an existing departure runway of an airport or airline maintenance facility. The Runweight<sup>™</sup> system provides flight crew with highly accurate live cross-checking weights and balances data, prior to take-off.

For the first time in aviation history, Runweight<sup>™</sup> offers airlines and flight crew a safety net solution to validate and cross-check any aircraft's total weight and balances, whilst in motion and prior to take off and landing.

The need for the Runweight™ system becomes a viable solution to aid the global airline industries safety record. It provides a secondary safety net and solution to assist in reducing human error and at least question and or verify the data a pilot or engineer inputs prior to take off.



## WHY IS **RUNWEIGHT**™REQUIRED IN MODERN AVIATION?

In 2014 the Transport Safety Bureau tabled its independent investigation into the occurrence of aviation take-off incidents both in Australia and Internationally that occurred between 1989 and 2009. The report identified RISK CONTROL relative to human error involving incorrect take-off performance parameter calculations methods used as a contributing factor behind take-off incidents / accidents. The report identified that a single solution for minimising or eliminating these errors was missing and made recommendations, including the need for a procedural SYSTEM CROSS-CHECK - 'Where more than one system is available for calculating take-off performance parameters, system manufacturers and airlines should consider provisions for cross-checking the data between both sources.'



The Transport Safety Bureau further identified that as technology evolves, machines become more complex, which in turn affects the way in which humans and machines interrelate. This interaction has created a new set of error modes and one such error that continues to surface is the calculation or data entry of erroneous take-off performance parameters, relative to - Zero Fuel Weight (ZFW), Take-off Reference Speeds (V speeds) and importantly Total Overall Weight (TOW).

In 2016 there is still NO safety cross-checking system available to the Australian or International Aviation Industry, Pilots and/or Engineers, relative to one of the most critical factors in determining 'take-off performance parameters' - Total Overall Weight (TOW).





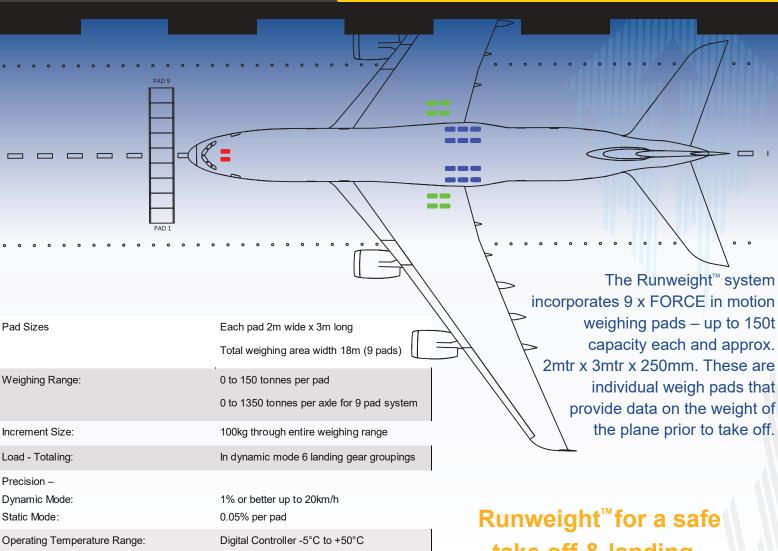
Runweight<sup>™</sup> provides modern aviation with an accurate weigh in motion solution to measuring not only the aircraft's TOW prior to take off, but also additional important information including the weight of the Nose Gear, LH Wheel Group and RH Wheel Group.

For the first time, flight crews can now visually ascertain the stability of their aircraft through critical weights and balances prior to take off and systematically use the information provided by Runweight™to cross-check their data entry's. It is without doubt, the use of the Runweight™ system coupled with procedural cross-checking will prevent multiple tail strikes, near misses and fatal crashes from occurring...Runweight™ - will save lives!





## MEGHI RUN



Load Cells -20°C to +60°C

100t

IP68

110V or 220V +/- 10% AC 50/60hz +/- 2%

Painted mild steel plate, welded box structure

Digital Controller Powered by:

Individual Load Cell Capacity:

Degree of Load Cell Protection:

Number of Load Cells Per Pad

Platform Structure:

take off & landing



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