

# Aircraft Weighing & CG Measurement Systems

CAPABILITY SHEET - JACK-POINT KITS, PLATFORM KITS AND COMPONENT CG FIXTURES - ENGINEERED TO ORDER

## THE SYSTEM

|                 |                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WHAT</b>     | Aircraft weighing and CG measurement - jack-point load-cell kits, wheel-platform kits, levelling references, software, and component CG fixtures.     |
| <b>OUR ROLE</b> | Kits, jack adapters, platforms, component CG mechanisms and handling, software with reports and history, calibration regimes, transit cases, AMC.     |
| <b>STATUS</b>   | Quoted against a defence research establishment's requirement for a component CG-measurement mechanism and its handling systems; no delivery claimed. |

## THE GOVERNING IDEA

|                                      |                                                                                                                                     |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>EVERY KILOGRAM HAS AN ADDRESS</b> | Weight and CG drift with every repair, mod and repaint - the kit finds both, resolves them from moments, and files them on record.  |
| <b>LEVEL, STILL, ACCOUNTED</b>       | Attitude proven by inclinometer, doors closed against wind's fake kilograms, fluids declared line by line - the three lies removed. |
| <b>BELIEVED WHEN IT REPEATS</b>      | Zero checks before, repeat lifts that must agree, cells traceable to standards - a number defended, not asserted.                   |

## THE MACHINE

|                              |                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>JACK-POINT KITS</b>       | Calibrated load-cell columns with adapters seating freely at the defined points - reactions read where the arms are exact. |
| <b>PLATFORM KITS</b>         | Low-profile ramped platforms under each wheel - roll-on weighing for the line, the same moment arithmetic behind it.       |
| <b>COMPONENT CG FIXTURES</b> | Cradles on multiple calibrated cells with safe presentation handling - an article's weight and CG in one honest setup.     |

## DISTINCT & HONEST

|                                  |                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>THE MEASUREMENT FAMILY</b>    | The mass-properties instrument measures an article on a laboratory machine; this kit weighs the whole aircraft where it stands.                                                  |
| <b>SOFTWARE CARRIES THE SUMS</b> | Moment arithmetic, weighing reports and per-tail history - because a slipped digit in a moment sum becomes a loading error that flies.                                           |
| <b>ENGAGEMENT</b>                | Send the aircraft types, capacities and article envelopes to <a href="mailto:sales@neometrixgroup.com">sales@neometrixgroup.com</a> for a compliance matrix in two working days. |

## DEFENCE PROGRAMMES DESK

[sales@neometrixgroup.com](mailto:sales@neometrixgroup.com) · +91 7777 876 876 · [neometrixgroup.com](http://neometrixgroup.com)  
 Neometrix Defence Limited · E-148, Sector 63, Noida, Uttar Pradesh, India