

# SafeWeigh

## Radioactivity Detection System



- Approved industrial measuring technology
- High detection sensitivity
- Monitoring performed in real time on moving vehicles
- Continuous system self diagnosis
- Continuous background monitoring
- Large size plastic scintillation detectors
- Compatible with WinWeigh software
- Full radioactive profile recording for analysis and decision making
- Calibration using radioactive source traceable to national standards



**WEIGHTRON** **BILANCIAI**  
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INDUSTRIAL WEIGHING SPECIALISTS **GROUP**



## Superior performance and reliability- without compromise

The **SafeWeigh** system is specifically designed for the detection of radioactivity in vehicle loads entering or leaving industrial sites. As more and more materials are recycled, especially scrap metal, there is a growing need to monitor the waste material for traces of radioactivity before it is reprocessed or incinerated.

### Proven technology

The system already has a proven track record at steel works, incineration plants, land fill sites and waste reprocessing plants. Weighbridges are critical control points at these operations and therefore the ideal location for monitoring radiation. As the loaded vehicle passes through the SafeWeigh detector plates, positioned each side of the weighbridge, it is scanned for traces of radioactivity. The system can be programmed for specific radiation thresholds and if it determines that a radioactive source is present, either in the load or the vehicle, the system actuates an alarm to immediately notify site security. SafeWeigh can also be linked to cameras to capture vehicle identification.

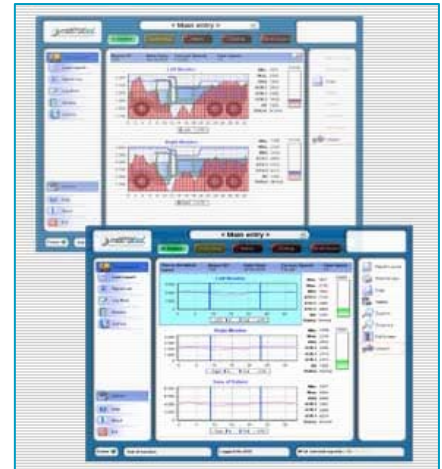
### Rapid return on investment

If any radioactive material goes undetected then once it has been processed, the problems are multiplied many times over and the cost to dispose of contaminated material may run into hundreds of thousands of pounds. By preventing any such material entering facilities and refusing to accept suspect vehicles, re-processors will save these enormous costs and therefore pay back for their investment in SafeWeigh will be quickly realised.



## Comprehensive software capabilities and connectivity

SafeWeigh provides a full radiation profile of the vehicle load and the system has been successfully integrated with Weightron's comprehensive WinWeigh software suite. Multiple units can be networked via Ethernet and the powerful software records full details of any radioactive profiles, clearly identifying the strength and location. This allows management to take risk assessments in total confidence. Optional Geiger counters are available for detailed vehicle analysis.



## Service and Calibration... bringing total security and peace of mind

At Weightron we recognize how essential it is that critical equipment like the SafeWeigh system continues to provide accurate and reliable results. To ensure peace of mind for the operator, we offer a full calibration service at three, six or 12 month intervals using a known radioactive source traceable to national standards. This service is unique and not available for competitive products.



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