



Raising safety standards

A successful materials handler has two key requirements; to move goods quickly and to transport them safely.

Thanks to a scissor-lift weighing system from Avery Weigh-Tronix, a third party logistics provider has achieved both these targets – and made its operation even more efficient as a result!

The client knew that by monitoring weight distribution on its double-deck trailers, it could reduce the chance of an unstable vehicle toppling over in high winds or when cornering.

Before the installation, the client had only one static weigh station in its warehouse. Operators first wheeled the roll cage on to the scale before loading it on to the scissor lift table. This slow process was potentially unsafe, as it could only capture the individual weight of each cage and not the weight distribution on the trailer.

The new system weighs each roll cage as it pushed on to the table and sends the data to an indicator running custom software. The system can load up to fifteen cages at a time and at the correct position within the trailer, increasing speed and efficiency.

The software calculates the total number of cages, together with their weight and location in the trailer. Once loading is complete, the customer can print a weight distribution report, to prove that the trailer is safe to travel in a roadside spot check.

- Operators do not need to visit a separate floor scale as weighing is part of the loading process - saving considerable time and reducing warehouse congestion.
- Cages are loaded at the correct deck level within the trailer – to ensure even weight distribution.
- The lift system weighs multiple cages – reducing handling and speeding up the loading process significantly.
- Software package provides a printed record of weight distribution – allowing only safely-loaded vehicles on to the road.
- Even weight distribution assists vehicle safety - avoiding the expense of incident clear ups, fines for exceeding the weight limit, damaged stock and even the loss of the operator's license.



TECHNICAL

Scissor-lift weighing system

A mobile weighing system comprising a 5,000 kg (11,000 lb) scissor lift mounted on six 3,000 kg (6,600 lb) capacity load cells.

- The load cells communicate with the L240 digital indicator operating a custom software package and linked to a report printer.
- Full graphics panel display for ease of use.
- Optional alpha numeric keyboard to minimise operator error.