

Mobile Weighing

Purpose of Document

Cost saving without sacrificing quality is a primary goal in every company. Mobile weighing can help to identify where waste is generated and check raw materials and scrap without the need for double handling. This factsheet is intended to outline the basic principles and identify other areas in which it can be used.

How does it work?

By fitting load cells to lifting equipment, accurate weighing can be undertaken without the use of fixed weighing devices, results can then be displayed on a screen, printed onto reports and labels or downloaded into a PDA or PC.

How accurate is it?

To within 0.1% of the applied load i.e.1kg per 1000kgs.

What systems are available?

Weighing forks – fitted to existing fork trucks in place of the original forks, loads can be weighed as they are loaded, unloaded or transported.

Weighing Pallet Trucks – probably the most popular form of mobile weighing due to its flexibility, manoeuvrability and speed of operation.

Weigh Beams – cost effective and ideally suited to less intensive operations.

Axle Weighing – weigh individual axles to ensure that vehicles travel legally and avoid the risk of prosecution and increased insurance premiums.

Bespoke Solutions – load cells can be fitted to most equipment by specialist companies.

Options – parts counting, reports printers and label printers.

Where can it be used?

Production – identify where waste is generated in the production process

Goods Inwards – weigh incoming products to check quantities

Stocktaking – weighing is often faster than counting

Security – pallets of expensive goods can be checked to ensure that there are no empty boxes

Despatch – ensure that carriage costs are accurate

Transport – eliminate the overloading of vehicles

How much does it cost?

Weigh beams start from under £1000 whilst weighing forks and axle weighing units are nearer to £3000. Weighing pallet trucks that sell for less than £1600 may not be the bargain they appear to be!

How long will the payback period be?

Obviously this varies from company to company but fast results can often be achieved. The recent increases in steel prices have inspired several manufacturers to check incoming goods more rigorously. Equally, scrap steel now has a high value and as it's sold on weight...

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