A check weigher is an **automated system** designed to **check the weight of packaged commodities**, to satisfy internal controls and external trade applications.  They are usually found at the **end of a production line** in many industries, or in the despatch area of **eCommerce warehouses**.

Check weighers used in **legal-for-trade** applications require the use of **approved components** such as load cells and measuring electronics.

There are 2 main types of check weigher;

* **Only** the package content is **checked**; this is needed to calculate a price based on the content
* The package content is **checked and compared** with defined upper and lower tolerances in order to accept or discard the package.  These **tolerances are mandated**, often in accordance with the **e-mark legislation**.  If a package has a weight outside the tolerance, it is removed from the production line.

For both of these types, the check weighing process can be **static (manual) or dynamic**.  In dynamic check weighing, the package will be moving along a conveyor belt or roller system.  Therefore, the package’s **static weight will be affected by the accelerations and vibrations** occurring in the mechanical components of the conveyor.

**Typical items that are check weighed for trade purposes:**

* Bottles
* Cans
* Pots
* Bags
* Big-bags (FIBC)
* Boxes
* Packaged meat and fish products