



AUTOMATIC FRUIT WEIGHER



DESCRIPTION

Machine for the **post-harvest treatment of fruit and vegetables (especially citrus fruits)**, designed to automatically weigh and fill boxes of different formats, guaranteeing precision and efficiency in packaging.

The loose fruit arrives via a double-track **top conveyor belt**:

- A **quick-unloading tarpaulin**, which allows large quantities of fruit to be added at once.
- A **thin dosage canvas**, which drops the fruit piece by piece until the exact weight is reached.


Both belts deposit the fruit in a **hopper with automatic pneumatic opening**, located on the **lower chain conveyor**. It incorporates a **lifting system with adjustable arms**, which adapts to the dimensions of each box, guaranteeing stability and precision during filling.

Once the process is complete, the box continues to the **checkweigher area with integrated scale**, where the operator can manually check and, if necessary, correct the fill to ensure that all boxes meet the set weight.

FEATURES

Installed Power:	1 kW
Voltage:	380/220V III [220V Single Phase on Demand]
Production:	4 boxes/minute Approx. (depends on the size and density of the product)
Other features:	Possibility of box collector in combination with assemblies of several weighers
Packaging Type:	Drawers and boxes of different formats
Filling Range:	1 – 20 kg (depending on box)
Feeding System:	Top conveyor with discharge belt + fine dosing to hopper
Filling hopper:	Automatic pneumatic opening
Box conveyor:	Chains, with lifting system and side arms that adjust to the type of container selected + vibrator
Weight management:	Integrated scale to check the weight of each box
Precision:	± 20 – 40 g (depending on product and box format)
Approximate production:	300 – 500 boxes/h (depending on the packaging and the type of fruit)
Recommended fruits:	Citrus fruits (orange, mandarin, lemon) and other fruit and vegetable products
Manufacturing material:	Stainless steel and food-grade components
Integration:	Compatible with fruit and vegetable packaging lines

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