

MULTIHEAD WEIGHER

QUALITY PACKAGING SOLUTIONS

MODEL ZH - A 20

The ZH - 20 is developed for precise and high speed quantitative weighing packaging systems. It is suitable for weighing materials of grain, stick, slice, irregular shape such as candy, fruits nut, pet food, roasted seeds, puffed food, frozen food, small hardware etc.

STANDARD FEATURES

- * Vibrator modifies the amplitude, based on different target to distribute material and to achieve a higher combination rate
- * Precise digital weighing sensor and AD module
- * Can port with signal and function of self - check error diagnostics
- * High efficiency
- * Adjustable hopper angle to increase flow rate of material
- * Material collecting and process system
- * Stainless steel construction
- * Minimal product clumping due to dense dimpling on product surfaces
- * All parts in contact with the product can easily be removed for cleaning
- * Multi - language operation system



Comprehensive guarantee, backed with full after sales support and spare parts availability.

Working Theory

Feeding:

Products are firstly delivered by conveyor into upper storage funnel, then discharged and distributed to linear vibration pans uniformly with the help of the top cone. Product thickness can be adjusted by adjusting the height of storage funnel post, which will affect the products weight of one feeding by the linear vibration pan. Photoelectric sensor is used to real - time detect the level of products in the upper storage funnel, and feedback to the main controller.

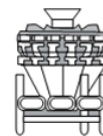
The CPU can automatically adjust the conveyor speed of delivery, that in order to ensure the machine run smoothly.

Production Distribution and Weighing:

Products are distributed uniformly to each linear vibration pan from the top cone, then fed into a stored in the feed hopper. When weigh hoppers finished previous weighing and combination and discharged products to the next packaging machine, the products in feed hopper will be dropped to the weigh hopper. After a stable time it continue to weigh products and do combination and so on.

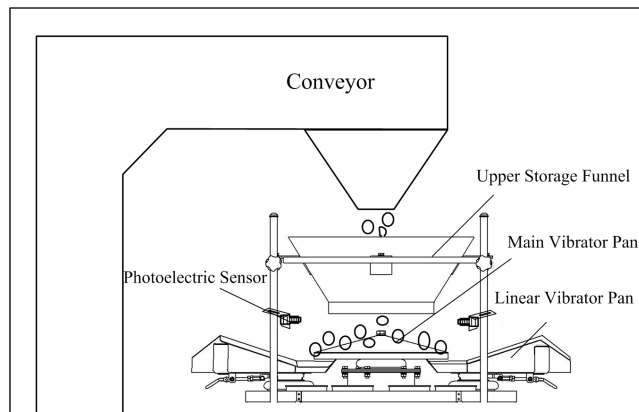
Combination:

The main controller collects the weight of products in weigh hopper from each load cell, and calculates out numerous qualified combinations which meet the target weight of upper and lower deviation, then choose the best one in discharge.



WEIGHING SOLUTION

QUALITY PACKAGING

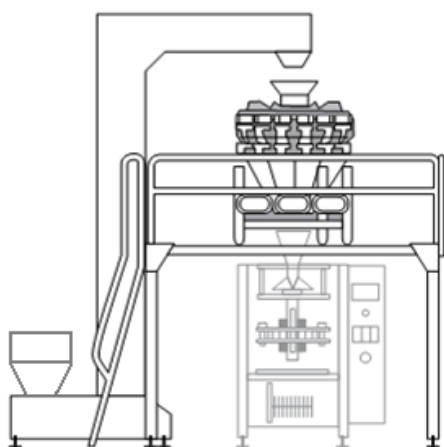


SYSTEM CONTROL

| SPECIFICATIONS: | ZH-A 20 MULTIHEAD | 3 |
|------------------------------|--|---|
| ➤ Weighing range : | 10-2000g | |
| ➤ Max weigh speed: | 120 bags/min | |
| ➤ Accuracy : | ±0.1-1.5g | |
| ➤ Hopper volume : | 1600ml or 2500ml | |
| ➤ Driver method : | Stepper motor | |
| ➤ Option : | Timing hopper/ Double door hopper/ Dimple hopper/ Printer/Overweight identifier/Rotary vibrator. | |
| ➤ Interface : | 7inch HMI | |
| ➤ Power parameter : | 220V/1500W/50/60Hz/10A | |
| ➤ Packaging dimension: (mm): | 1780(L) x 1190(W) x 1348(H) | |
| ➤ Total weight(kg): | 880 kg. | |



EASY ACCESS TO PROGRAM



INTEGRATION SOLUTIONS

