

## *ZM 14D50 Multi Head Weigher Packing Machine*



The ZM 14D50 Multi Head Weigher is a cutting-edge weighing system designed to handle a wide range of products with precision and efficiency. Its design incorporates multiple weighing heads, each capable of independently measuring and dispensing product portions. This multi-head configuration enables rapid and accurate weighing of various products, making it an indispensable tool in industries where batching, portioning, and packaging are routine operations.

At its core, the ZM 14D50 operates on the principle of combination weighing. This method involves distributing the total target weight across multiple weighing heads, with each head responsible for accurately measuring a portion of the product. The system then combines these individual measurements to achieve the desired total weight for packaging or processing.

The process begins with the product being fed into the hopper, where it is evenly distributed among the weighing heads. Each weighing head utilizes advanced sensors and algorithms to determine the weight of the product in its respective hopper. Once the individual weights are obtained, the system's central processor calculates the optimal combination of portions to achieve the target weight. After calculating the combination, the system activates the discharge mechanism for each weighing head, releasing the predetermined portions into the packaging or processing line.

This process continues seamlessly, with the system constantly adjusting and optimizing the combination of portions to ensure accuracy and efficiency. Operating the ZM 14D50 Multi Head Weigher is designed to be intuitive and user-friendly, with a user interface that facilitates efficient control and monitoring.

## Technical Parameters

<b>Model</b>	<b>ZM 14D50</b>
Number of Heads	14
Maximum Speed	Up to 50 packs per minute
Weighing Range	10g – 2000g (adjustable)
Accuracy	±0.1 – 1.5g (depending on product and conditions)
Power Supply	220V, 50/60Hz
Power Consumption	2.5kW
Air Pressure	0.6MPa
Air Consumption	0.5m <sup>3</sup> /min
Hopper Capacity	1.6L
Control System	PLC Control System
Display	Touchscreen Display
Material	Stainless Steel
Dimensions (LxWxH)	1550mm x 1150mm x 2050mm
Weight	Approximately 600kg