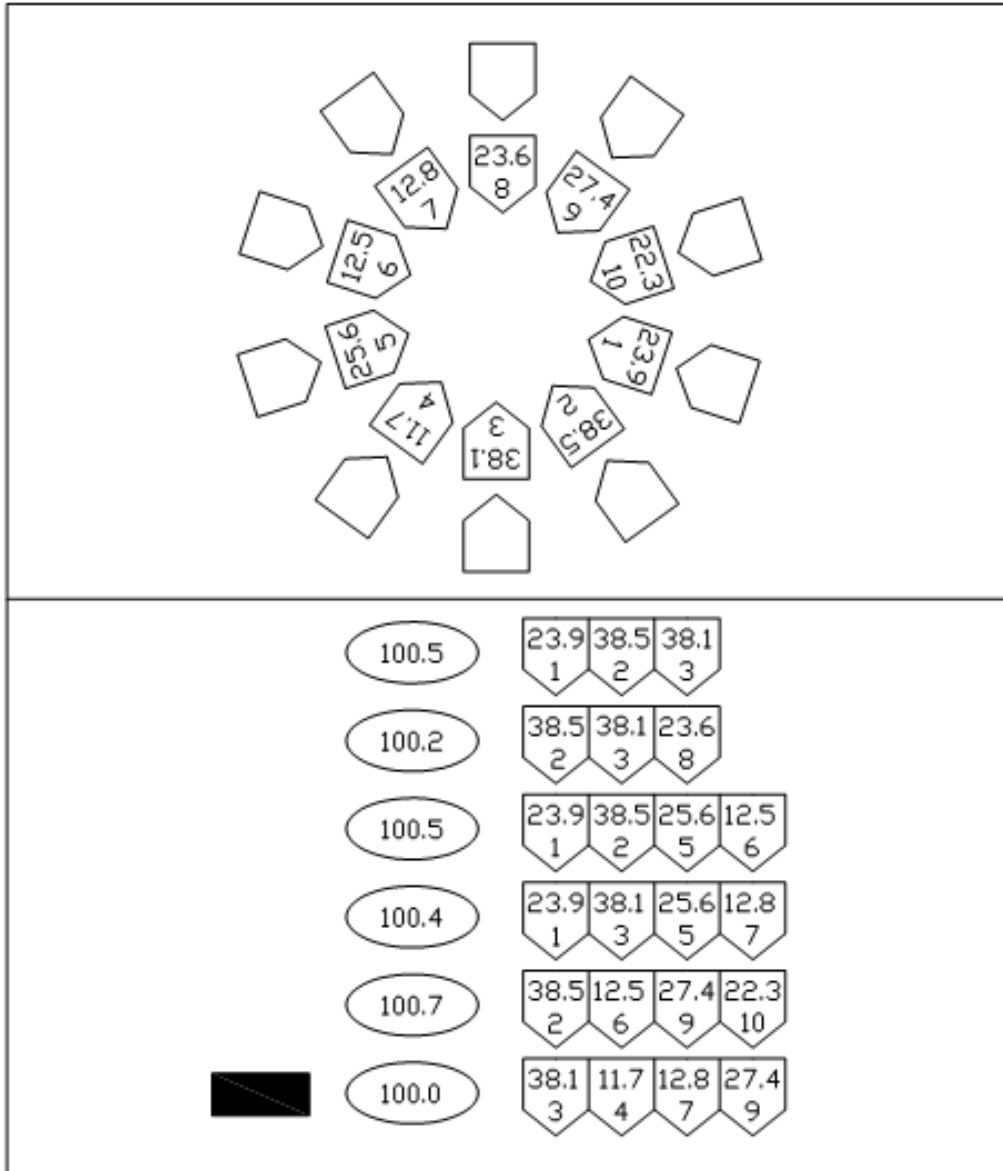


Multihead weigher working principle knowledge

▲ Working theory of JW combination weigher: The machine's CPU will process the weight data received from each weigh hopper, and calculate out numerous qualified combinations which comply with the target weight, and then choose the closest one to discharge. Take 10 head weigher with target weight of 100g, overweight of 1g, underweight of 0 for example; the following is the situation of one combination and discharging:



▲The principle common sense of 'Combination': When the combination number of weigher is more, the combined number is bigger; Next, when average combination hoppers are half of the total combined hopper, it has most combination. The following is the comparison on combination times for different head weigher with different average combination hoppers:

WeigherMode CombinationHP	8 head weigher	10 head weigher	14 head weigher under high accuracy mode
1	8	10	14
2	28	45	91
3	56	120	364
4	70	210	1001
5	56	252	2002
6	28	210	3003
7	8	120	3432
8	1	45	3003
9		10	2002

Confirm: Within 8 head weigher combined hoppers, for 4 hoppers, it has 70 combinations.

Within 10 head weigher combined hoppers, for 5 hoppers, it has 252 combinations.

14 head weigher hoppers under high accuracy mode, for 7 hoppers, it has 3432 combinations.