

## UW20N, UW16, UW14

### ■ description

The UW is a robust multi-head combination weigher introduced in 2010. Due to its strong signal handling and program protection settings, it is one of the most stable weigher in the industry.

The UW20, UW14 and UW10 are a combination weighers for filling snacks, tea, rice, nuts, candy, screws, small accessories, granular products that are measured by net weight. It can weight at a cycle speed up to 150 per minute.

Products are feed by a fastback horizontal motion conveyor, z-bucket conveyor or incline conveyor to the top of the weigher in-feed. The vibratory trays load the product from the centre in-feed to the staging buckets. Then from there into the weighing buckets where the weight is determined and recorded.

The central processing system calculate which group of buckets can be combined to produce the closest possible match to the targeted package weight and discharge those buckets to complete a filling process.

#### **D for Dimpled Plate**

The dimpled plate model expands the UW for filling frozen products, pet food and etc.

#### **Plus for Larger Buckets**

The larger buckets, enable users to weight bulky products or fill higher volumes.

#### **N for Next Generation CAN Bus**

Powered CAN combines data and power connectivity. Users enjoy 4X faster weighing rates, and features an automatic arbitration-free transmission.

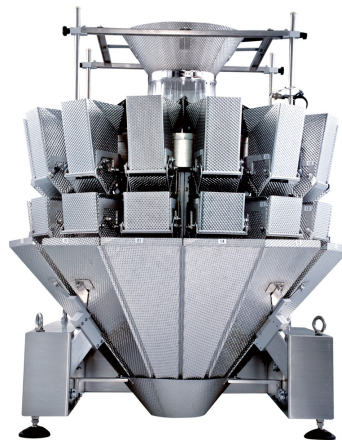


### ■ technical specifications

	Unit	UW20N	UW20N-D	UW14N	UW14N-D
filling range	gram		10 - 800		
production cycle/min	ppm	≤ 130		≤ 150	
accuracy	gram		± 0.1 - 1.5		
resolution	gram		d = 0.1		
bucket volume	ml		1600		
machine weight	kg	800		430	
machine dimensions	mm	L1900 x D1900 x H2100		L1350 x D1200 x H1460	
power	kW	2.0		1.5	
voltage			220VAC, 50Hz, 1-Ph		

## ■ advantage - N

- ★ Janus III human interface
- ★ Automation-Ready - exclusive upstream and downstream connection!
- ★ power CAN bus Ready - 4X faster
- ★ complete mix 2.0 Integration (UW20N) - great convenience to mix two products.
- ★ 10.4-inch touch screen
- ★ AI Fit - one-stop adjustment between small and larger weighing range
- ★ increased buckets combination range
- ★ solid 304 stainless steel construction



(Top) The standard UW20N, built-in complete mix 2.0 to weight and fill two different products; or supply one type of products to two packaging machines.

(Left) The standard UW16  
(Right) The dimpled plate UW14D

## ■ advantage

- ★ Janus II human interface
- ★ Automation-Ready - exclusive upstream and downstream connection!
- ★ 10.4-inch touch screen
- ★ AI Fit - one-stop adjustment between small and larger weighing range
- ★ increased buckets combination range
- ★ solid 304 stainless steel construction



## ■ technical specifications

	Unit	UW16	UW16D	UW14	UW14D	UW14+	UW14D+
filling range	gram	10 - 300		10 - 800		≤ 2000	
production cycle/min	ppm	≤ 120		≤ 120		≤ 80	
accuracy	gram		± 0.1 - 1.5			± 0.5 - 2.0	
resolution	gram			d = 0.1			
bucket volume	ml		1600			2500	
machine weight	kg	750			490		
machine dimensions	mm	L1450 x D1450 x H1950			L1250 x D1200 x H1400		
power	kW	1.0			1.5		
voltage				220VAC, 50Hz, 1-Ph			

# UW14, UW10

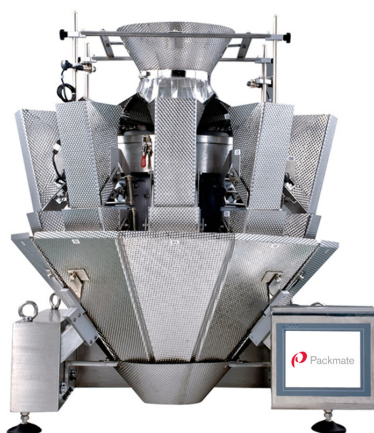
## options

- timing hopper
- rotary cone top feeder
- uninterrupted power supply

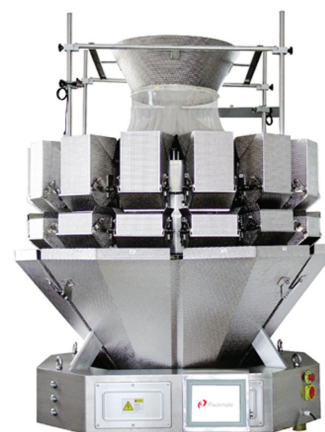


(Upper-left) The standard UW10

(Upper-right) The dimpled plate UW10



(Bottom) The dimpled plate UW14D-XL with extra large 5000 ml buckets.



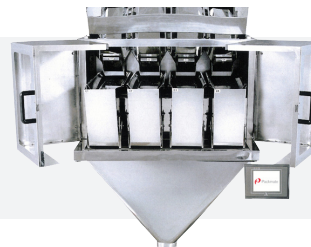
## technical specifications

	Unit	UW14D-XL	UW10D-XL	UW10	UW10D	UW10+	UW10D+
filling range	gram	100 - 3000		10 - 800		≤ 1500	
production cycle/min	ppm	≤ 70	≤ 50	≤ 65		≤ 45	
accuracy	gram	± 1.0 - 5.0			± 0.5 - 2.0		
resolution	gram				d = 0.1		
bucket volume	ml	5000		1600		2500	
machine weight	kg	650				330	
machine dimensions	mm	L1600 x L1650 x H1950			L1100 x D1050 x H1300		
power	kW	2.0				1.0	
voltage		220VAC, 50Hz, 1-Ph					

# UW4, UW2

## ■ advantage

- ★ Janus II human interface
- ★ Automation-Ready - exclusive upstream and downstream connection!
- ★ 5.7-inch touch screen
- ★ LS PLC
- ★ AI Fit - one-stop adjustment between small and larger weighing
- ★ solid 304 stainless steel construction



### Automation-Ready

(left) the UW4 can be run as independent filler or connected with a packaging machine.

## ■ technical specifications

	Unit	UW 4	UW 4-L	UW 2	UW 2-XL
filling range	gram	5 - 200	20 - 2000	10 - 3000	500 - 10000
production cycle/min	ppm	25 - 60	10 - 50	10 - 25	5 - 20
accuracy	gram	± 0.1 - 1.0	± 0.2 - 2.0	± 0.5 - 3.0	± 1.0 - 10
resolution	gram	d = 0.1			
bucket volume	ml	500	3000	5000	15000
machine weight	kg	120	180	180	220
machine dimensions	mm	L1050 x D980 x H1210		L1820 x D1500 x H1280	
power	kW	0.8		1.0	
voltage		220VAC, 50Hz, 1-Ph			