

Right combination of check weighing and metal detection

prompt[®]
CHECKWEIGHER
metal detector



Metal detection
sensitivity for 1.2kg

Fe \geq \varnothing 1mm

Sus304 \geq \varnothing 2.0mm

Non-Fe \geq \varnothing 1.5mm

1200g
Maximum capacity

$\pm 0.5g$
Best accuracy

100pcs/min
Highest speed

Applications



Food & Beverages



Pharmaceuticals



Cosmetics



Electronics

Why choose?



Two-in-one solution:

Combines precision weighing with advanced metal detection, reducing equipment footprint.



Ease of use:

Equipped with an intuitive user interface for hassle-free operation and quick setup.



Cost efficiency:

Minimizes production downtime by integrating two critical quality control systems in one.



Advanced Technology:

- High-sensitivity metal detection to identify ferrous, non-ferrous, and stainless steel contaminants.
- Accurate checkweighing to prevent underweight or overweight products.



Built for reliability:

Constructed with premium stainless steel to endure demanding environments while ensuring hygiene.



Compliance assurance:

Meets stringent regulatory standards for both weight accuracy and contamination control.



Enhanced product quality:

Protects your brand reputation with high-precision weighing and contaminant-free assurance.

Technical specifications

Product	Checkweigher with Metal detector		
Model	CW-1.2K	CW-3K	CW-6K
Maximum capacity	1200g	300~3000g	6kg
Best accuracy*	±0.5g	±1g	±1g
Weighing speed	≤100 pcs/min	≤100 pcs/min	≤80 pcs/min
Belt speed	5~40 m/min	5~40 m/min	5~40 m/min
Belt size	400mm*250mm	400mm*300mm	500mm*400mm
Belt material	PU (white)	-	PU (white)
Structure material	304 stainless steel	304 stainless steel	304 stainless steel/ MS
Rejecter (optional)*	Swing arm, Push type & Air blow	Swing arm & Push type	Swing arm, Push type & Drop-off
Metal detection Sensitivity*	Fe≥φ1 mm Sus304≥φ2.0 mm Non-Fe≥φ1.5 mm	Fe≥φ0.8 mm Sus304≥φ2.0 mm Non-Fe≥φ1.5 mm	Fe≥φ1.2 mm Sus304≥φ2.2 mm Non-Fe≥φ2.0 mm
Metal detector wide	250mm	300mm	400mm
Metal detector height	Optional: 80mm/100mm/120mm/150mm/200mm	100mm (Customization available)	Optional: 80mm/100mm/120mm/150mm/200mm
Platform height	750±50mm	750±50mm (Customization available)	750±50mm
Power	AC 220V±10%, 50/60Hz, 400W, 355W	AC 220V±10%, 50/60Hz, 730W	AC 220V±10%, 50/60Hz, 1275W
Working temperature	0~40°C	0~40°C	0~40°C
Maximum Humidity	90% R.H No Condensation	90% R.H No Condensation	90%
Limit Load	The instantaneous load shall not exceed 2.4kg	The instantaneous load shall not exceed 6kg	12kg

*Metal detection sensitivity is related to test object features (humidity, temperature, salinity, mineral, content, etc.), as well as some environmental effects, such as vibration, electromagnetic field interference, etc.

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