

Product inspection

Combination systems - checkweighers with metal detectors or x-ray inspection

Add checkweighing technology to leading metal detection or x-ray inspection solutions to minimize space

Highest level of food safety and integration with a smaller footprint

The Thermo Scientific™ combination systems are designed to provide a wide range of weighing and metal detection or x-ray inspection solutions. They feature a reduced total footprint compared to separate checkweighers and metal detectors or x-ray inspection systems and combine important functions like program changes, alarms, and rejection statistics software.

Features and benefits

- Space savings and budget savings
- Choose from metal detectors or x-ray inspection to combine with checkweigher
- Wide range of checkweigher belt widths and lengths to fit your production line
- Dual rejecters separating foreign objects from over/under weights to facilitate root cause problem determination and action

Metal Detection Combo System



X-ray Inspection Combo System



Metal detector combo configuration guidelines

Metal detector model	Checkweigher model		
	VersaWeigh	Versa GP	Versa Chain
Sentinel 5000	Freestanding infeed required		Freestanding infeed conveyor
Sentinel 3000	Integral to checkweigher frame		Freestanding infeed conveyor

X-ray inspection combo configuration guidelines

X-ray inspection model	Checkweigher model
	Global VersaWeigh
NextGuard C330	Shared conveyor belt design

Checkweighers available as combos



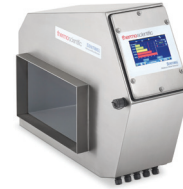
	Global VersaWeigh checkweigher	Versa GP checkweigher	Versa Chain checkweigher
Design	Widest application range	Cantilever design	Wide application range
Weight range	10g to 10kg weighing range, high accuracy	10g to 3kg weighing range, ultra-high accuracy	up to 10kg, high accuracy
Throughput*	Up to 400 packs per minute throughput	Up to 400 packs per minute throughput	Up to 700 packs per minute throughput
Material handling	Belt	Belt	Chain
Cleaning**	Light wash down, IP65	Light wash down, IP65	IP65; harsh environment harsh environment upgrades available

* Pack rates dependent upon package length, weigh table length and data output/archiving

** For other cleaning and sanitation requirements contact factory

For more information on each checkweigher model visit thermofisher.com/checkweigher

Metal detectors available as combos



	Sentinel 5000 metal detector	Sentinel 3000 metal detector
Sensitivity	Very high	High
Case width	Starting at 330 mm	250 mm
Technology	Multiscan for high sensitivity and probability of detection	Multiscan for high sensitivity and probability of detection
Flanges to reduce metal free area	Optional	Standard
View metal detector interface on checkweigher screen	Yes	Yes
Cleaning	IP69K	IP69K

For more information on each metal detector model visit thermofisher.com/metaldetection

X-ray inspection available as combos



	NextGuard C330 X-ray inspection as combo
Sensitivity	Very high
Case width	340 mm
Technology	X-ray inspection; product verification; mass estimation
Shielding curtains	Standard or thin-slit
HMI Screens	Both are visible from a single point allowing simultaneous review of real time data from both systems
Cleaning	IP65 with air conditioner; IP54 with fan

For more information on the x-ray inspection model visit thermofisher.com/order/catalog/product/NextGuardC330



Inspection solutions can be targeted to specific products. Shown here is a combination metal detector and checkweigher, the Thermo Scientific™ Global VersaWeigh™ and Thermo Scientific™ Sentinel™ 3000 checkweigher combination system.



Thermo Scientific™ Versa Chain and Thermo Scientific™ Sentinel™ 3000 checkweigher combination system

Learn more at thermofisher.com/productinspection

thermo scientific