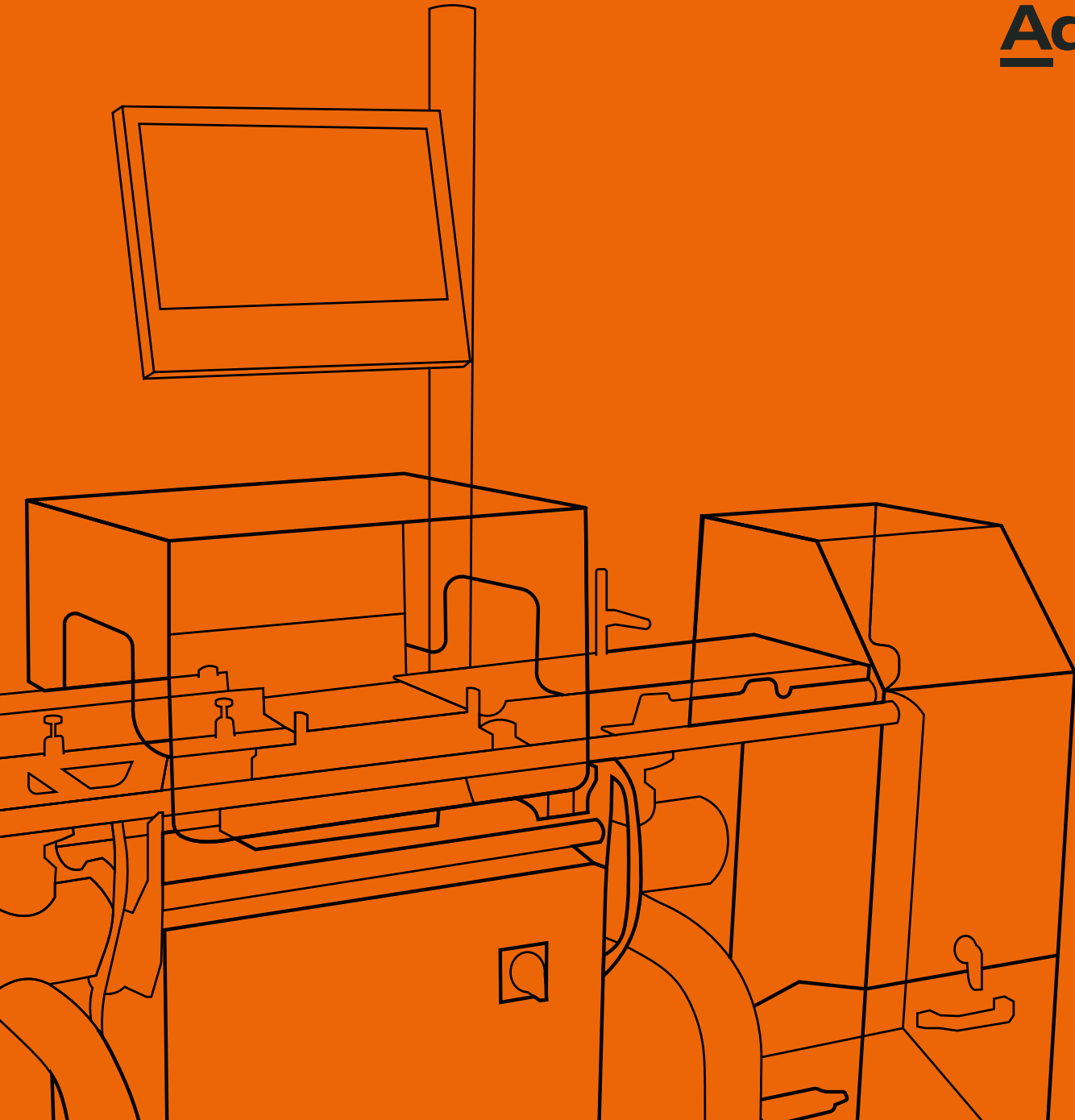




Sentinel Dynamic Inline Checkweigher

- High speed, high accuracy checkweighing
- Compliant with industry standards
- Easy integration with production line equipment
- Automated operation

1 year
warranty

Adam is the answer.

adamequipment.com

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Why you need a Dynamic Inline Checkweigher

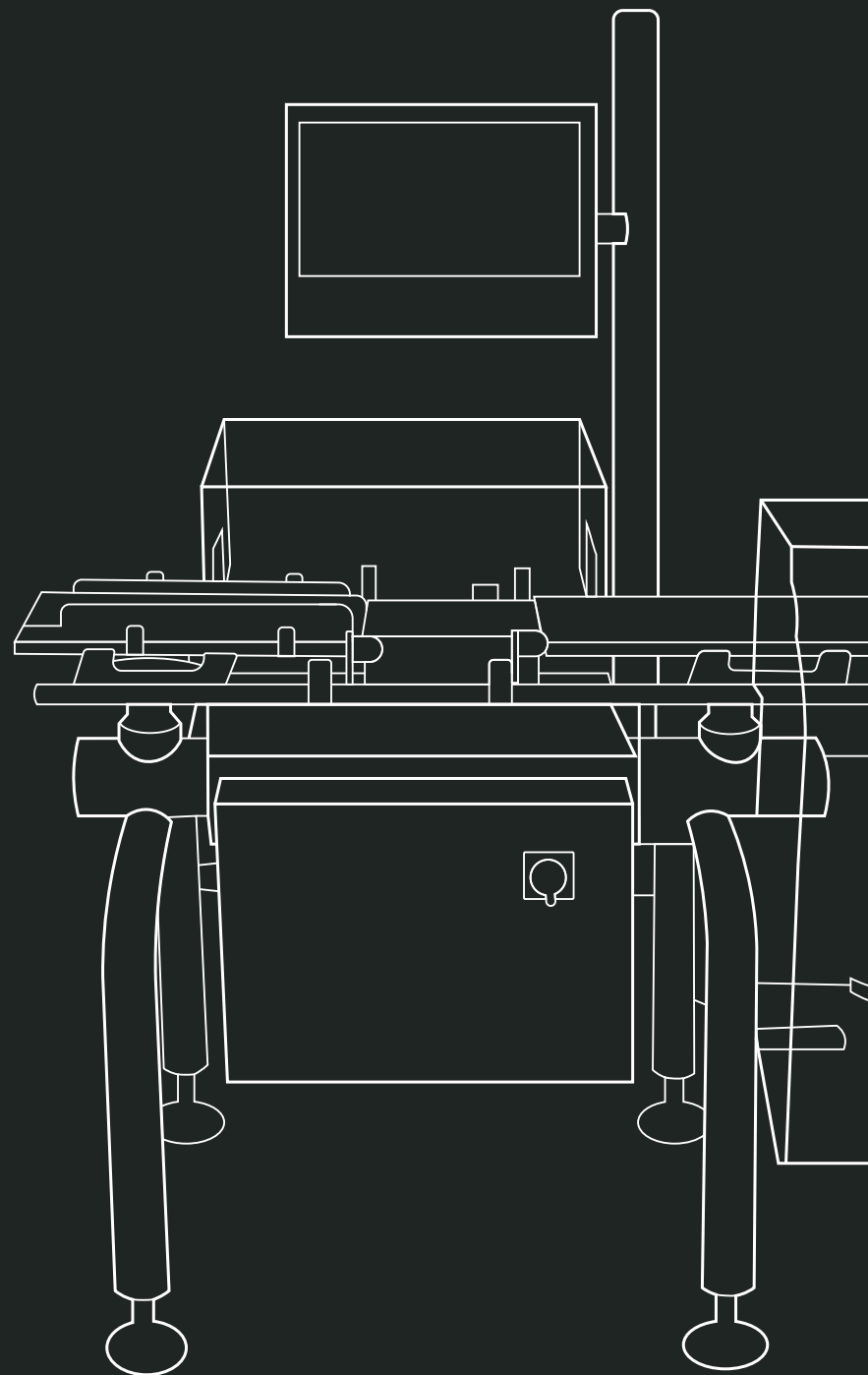
An inline checkweigher performs dynamic weighing of each product on a production line, classifying and counting overweight, underweight and conforming products. By ensuring accurate weight control, it helps you meet process requirements and regulatory standards.

Why Sentinel is the answer to your automated checkweighing needs

Sentinel has been specially designed to meet the standards of the pharmaceutical industry, including Good Manufacturing Practice (GMP) compliance, compatibility with pharmaceutical applications to ensure drug quality and support the FDA 21 CFR Part 11 audit trail.

Sentinel can weigh a wide range of pharmaceutical packaging, including cartons, glass bottles, plastic bottles, sachets and film packs. In addition to standard checkweighing to detect missing tablets/capsules or insufficient filling, Sentinel can also detect missing inserts like mandatory leaflets.

Patented non-contact taut band high-accuracy technology in combination with a low-friction aluminum conveyor and precision-controlled stepper motor allows Sentinel to ensure exceptional accuracy on high-speed production lines.



A Checkweigher designed for the Pharmaceutical Industry

Impressive speed and efficiency:

400
pcs/min

Wide weighing capacity range:

5-600
g

Readability*:

±10
mg

Repeatability*:

±0.1
g



Intelligent Filtering Technology

Designed for unstable products, Sentinel's AI algorithms monitor machine vibration and continuously adapt through model-based learning to ensure ultimate accuracy, even under complex conditions.

High-Performance Weighing

Sentinel's weighing range is 5-600g, with up to 400 ppm depending on packaging size. This makes it suitable for small-dose to medium-size pharmaceutical packages.

Non-Contact High-Precision Taut Band Weighing Platform

Using high accuracy, patented non-contact taut band technology combined with a low-friction aluminium conveyor and precision-controlled stepper motor, Sentinel ensures exceptional accuracy on high-speed production lines.

Compliance with Pharmaceutical Regulatory Requirements

Choose Sentinel for accurate and repeatable dynamic weight measurement. Sentinel supports FDA 21 CFR Part 11 audit trails. It includes fail-safe rejectors, reject verification and open-flap detection.

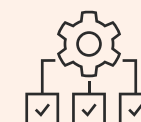
* Actual readability and repeatability may vary, depending on the length, weight, speed and stability of the product being weighed



FDA
Approval



3Q
Documentary



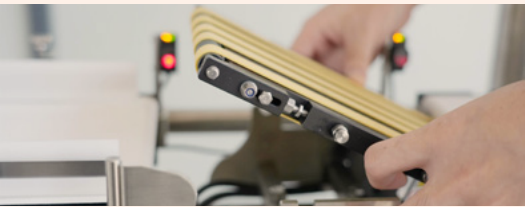
Factory
Acceptance Test

Stable and Precise Performance



Flexible and Convenient

- Copy design with adjustable height, making it easy to integrate with cartoners
- Modular weighing unit for easy installation and maintenance
- Touch-screen operation with 30-degree tilt – adjust to your height and needs



Durable and Reliable

- Industrial-grade construction using maintenance-free components to reduce downtime and equipment maintenance
- Designed for 24/7 operation



Hygienic Design

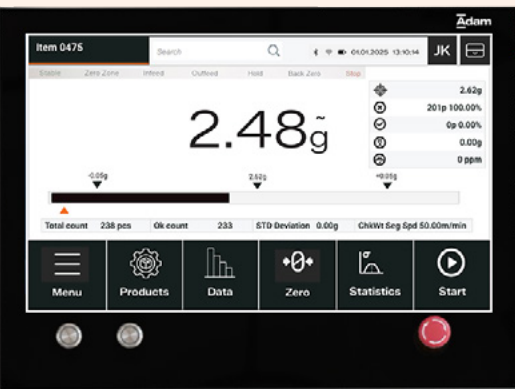
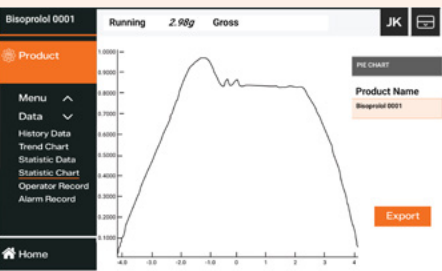
- GMP-compliant structure with smooth surfaces for easy cleaning – Sentinel meets the requirements of clean production environments to help avoid risk of cross-contamination



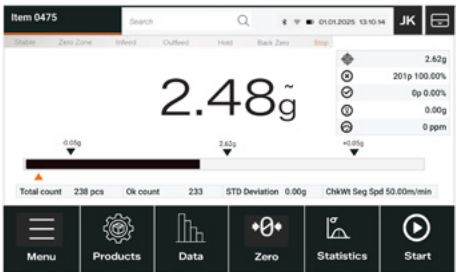
Wind Shield Enclosure

- Prevents air turbulence and vibration interference
- Blocks dust contamination, and helps avoid cross-contamination
- Transparent for real-time production monitoring

Smart, Intuitive Touchscreen Operation



- 15.6-inch full-color touchscreen display can be tilted up to 30 degrees for ergonomic operation
- An editable, one-touch style interface allows easy switching without the need for dropdown menus, increasing user efficiency



- Automatic optimisation via AI-based intelligent dynamic filtering



- Multiple dashboards for data analytics provide real-time production trend monitoring with Statistical Process Control

Blisoprolol 0001						
Running 2.98g Gross						
Product	No.	Product Name	STD Weight (g)	Net (g)	Function	Batch No.
Menu	0001	Blisoprolol	2.0000	0	5	34548023345
	0002	Atenolol	3.0000	0	3	
	0003	Paracetamol	1.0000	0	0	
Home						
New Copy Delete Edit						



- 400 GB data storage for full traceability and memory of up to 200 product recipes

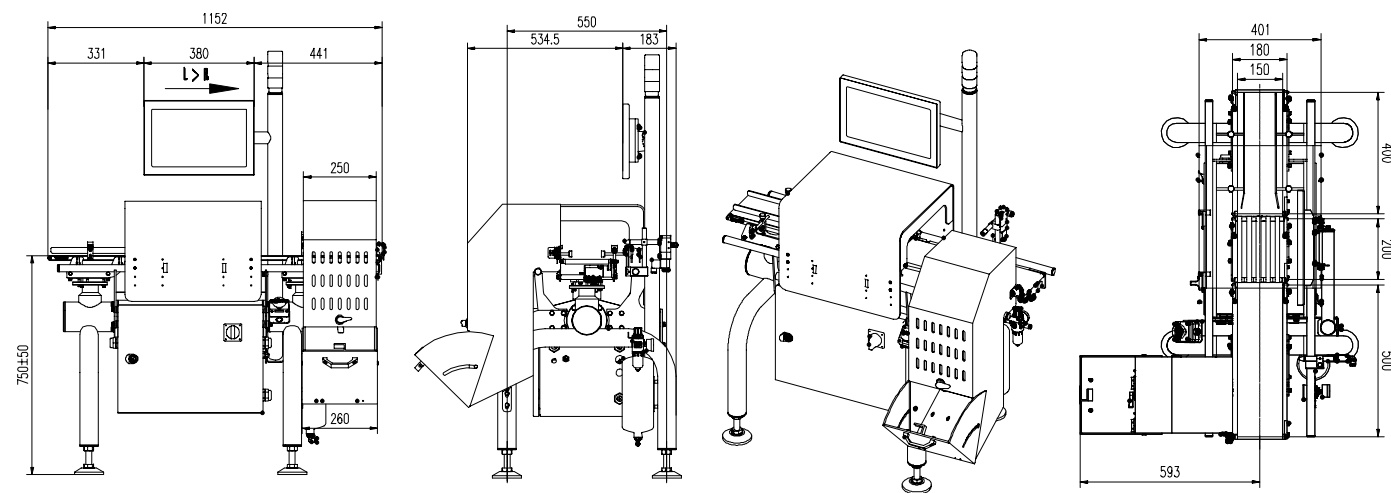
Technical Specifications

Technical Data

Weight Range	5-600g (0,011-1,32lb)
Top Speed	400 ppm
Best Accuracy	± 0,1g
Motor	Servo Motor
Structure	SS304 / Aluminium
Operating Temperature	0°C ~ +45°C (+32°F ~ +113°F)
Humidity	20% ~ 90%, Non condensing
Power Supply	90 - 250 VAC, 50/60 HZ 5A
Air Supply	5,5-6,9 bar (80-100 pai)
IP Grade	IP54
Line Height	830mm (24.8 inch ~ 1150mm (45.3 inch)
Communication	RS232/422/485, Allen Bradley Remote I/O, Ethernet TCP/IP, Mod bus RTU, Modbus TCP/IP

1. The actual accuracy depends on the product's length, weight, speed and stability.
2. The push rejector needs an independent conveying device, and the cantilever length of the conveyor should not exceed 1250mm (combined configuration).

Dimensions (all dimensions are in mm)



When
accuracy is
the priority.

Adam is the answer.

For precise, repeatable results every time,

Adam is the answer.



About Adam

- 50+ years of experience in the weighing industry
- Six international branches
- Global network of 4,500+ authorised dealerships

Adam is a leading designer and manufacturer of precision weighing and inspection solutions for every industry. Headquartered in the United Kingdom with branches and distribution centers worldwide, Adam is part of Indutrade, an international technology and industrial group based in Sweden.

Adam easily provides product support and fast, efficient delivery to consumers in collaboration with our worldwide distribution network.

Customers trust Adam's comprehensive product lineup to offer dependability, intuitive operation, solid performance and superior value to facilitate everyday work and simplify complex applications.

With a strong focus on exceeding customer expectations, Adam is the answer for support that extends well beyond the point of sale with technical support, servicing and calibrations.

Adam is an ISO 9001 manufacturer with a research and development team based in its U.K. headquarters. The company meets or exceeds most international manufacturing standards and regulations.



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