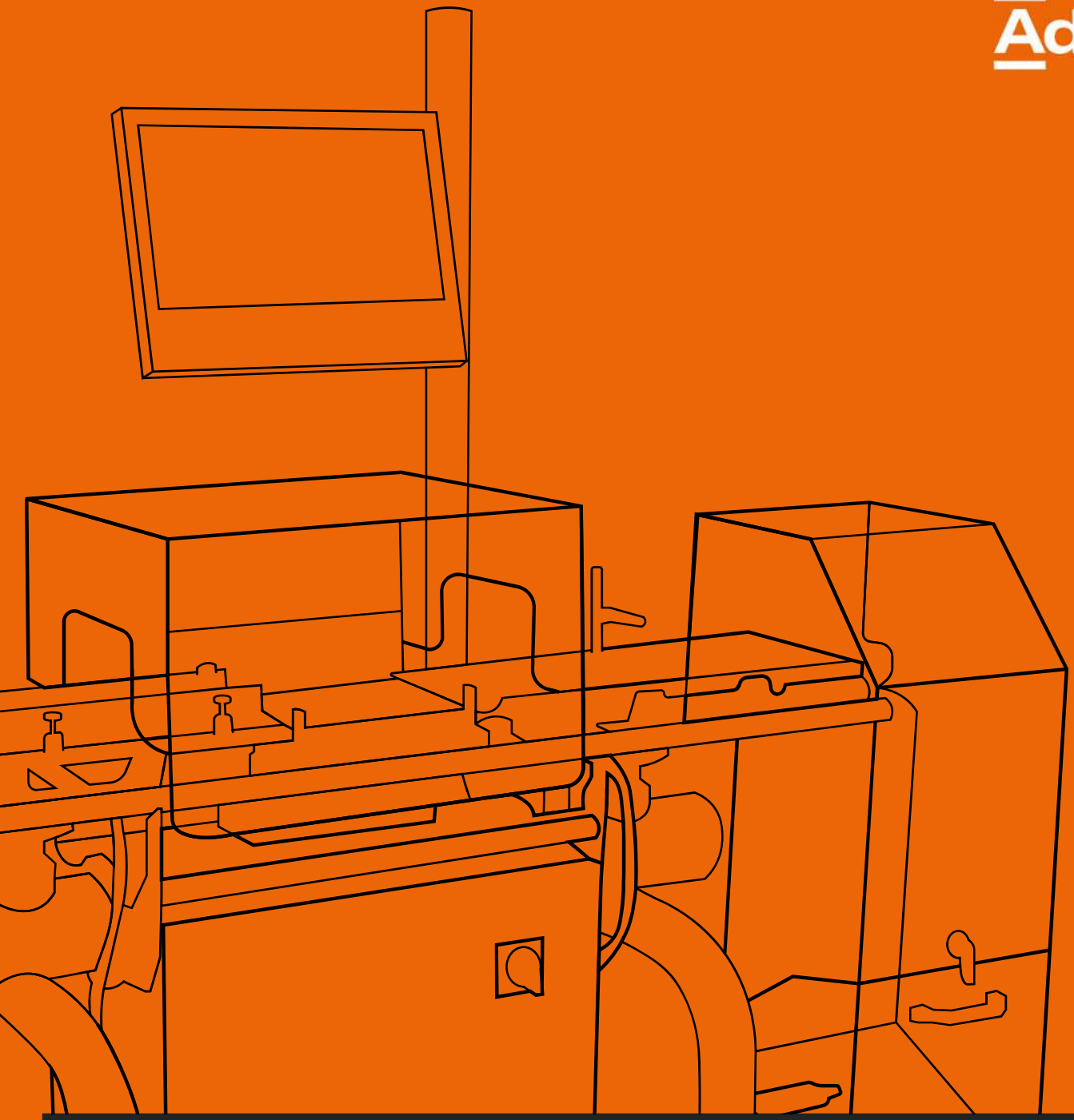


Sentinel
Inline Inspection & Checkweigher Range

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

Adam is the answer.

adamequipment.com

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Sentinel SPH 300
Dynamic Inline Checkweigher

- Premium dynamic checkweigher for the Pharma industry with 400 ppm top speed
- 15.6-inch full-colour touchscreen display can be tilted up to 30 degrees for ergonomic operation
- Automatic optimisation via AI-based intelligent dynamic filtering



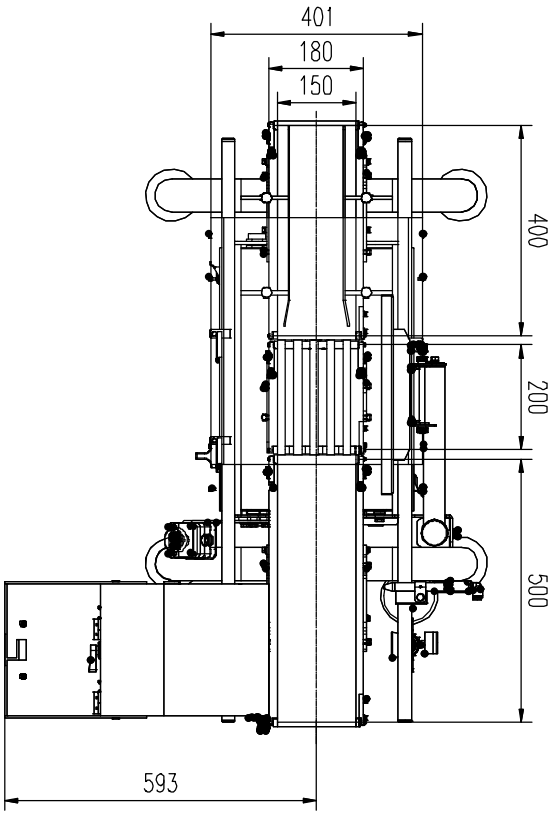
Technical Specifications

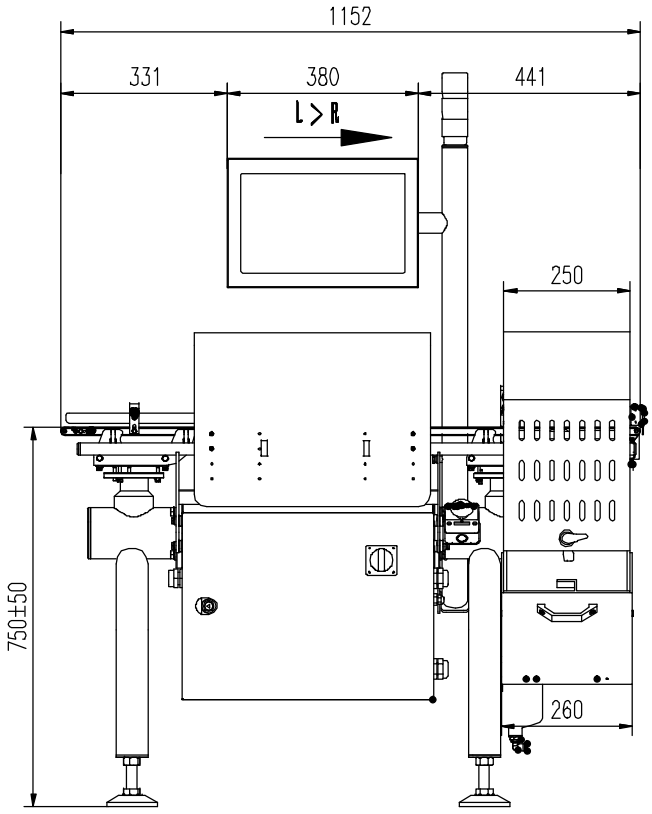
Weigh Range	5-600g
Top Speed	400 ppm
Belt Speed	5-60m/min
Best Accuracy	+/- 0.1g
Readability	0.01g
Structure	SS304 / Aluminium
Operating Temperature	0°C ~ +40°C (+32°F ~ +113°F)
Power Supply	200 - 240 VAC, 50/60 HZ 480W5.5 - 6.9 bar
Air Supply	5.5 - 6.9 bar (80-100 PSI)
IP Rating	IP54
Line Height	800mm +/- 50mm
Communication	RS485, Modbus TCP/IP
HMI	15.6" Touch-screen with 30º tilt
Protection	Windshield, preventing air turbulence and dust
Rejector	Air blast

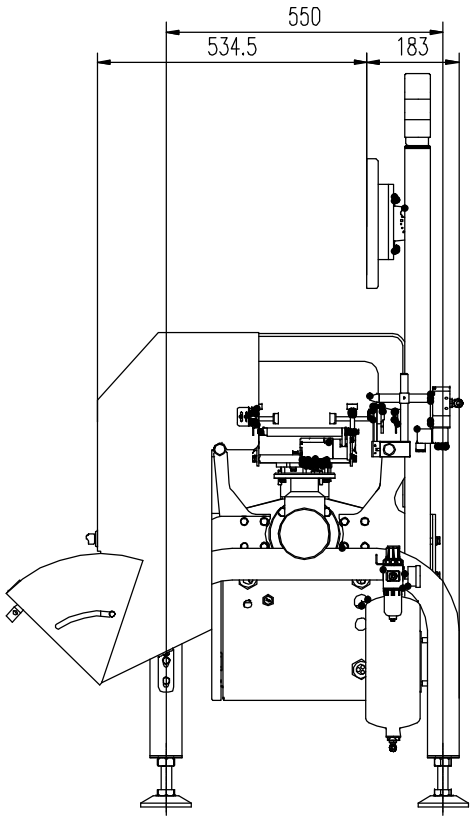
Compliance

Compliant with pharmaceutical GMP standards.
Includes required certifications and supports FDA 21 CFR Part 11 audit trail.


2.48g
Adam


401
180
150
400
200
500
593


1152
331
380
441
L > R
250
260
750±50


550
534.5
183

Sentinel SFD 200
Dynamic Inline Checkweigher

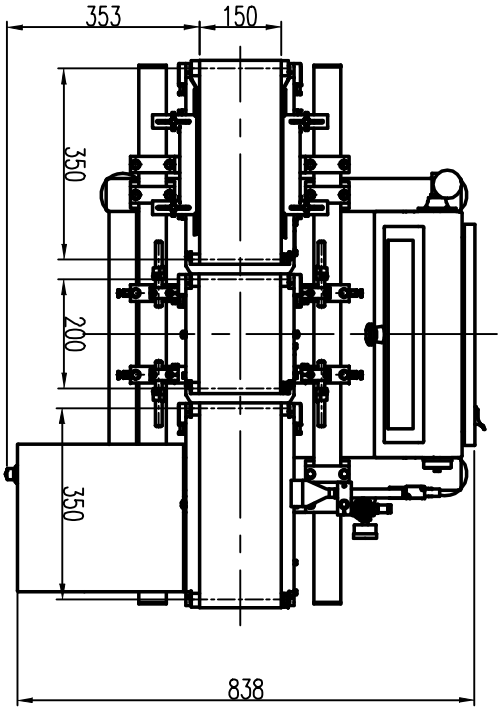
- Premium dynamic checkweigher for the Food industry
- Tool-free conveyor and belt replacement
- Hygienic design: round-tube frame and smooth surfaces reduce dirt and clogging risk
- Stores up to 200 recipes; 400gb of data storage

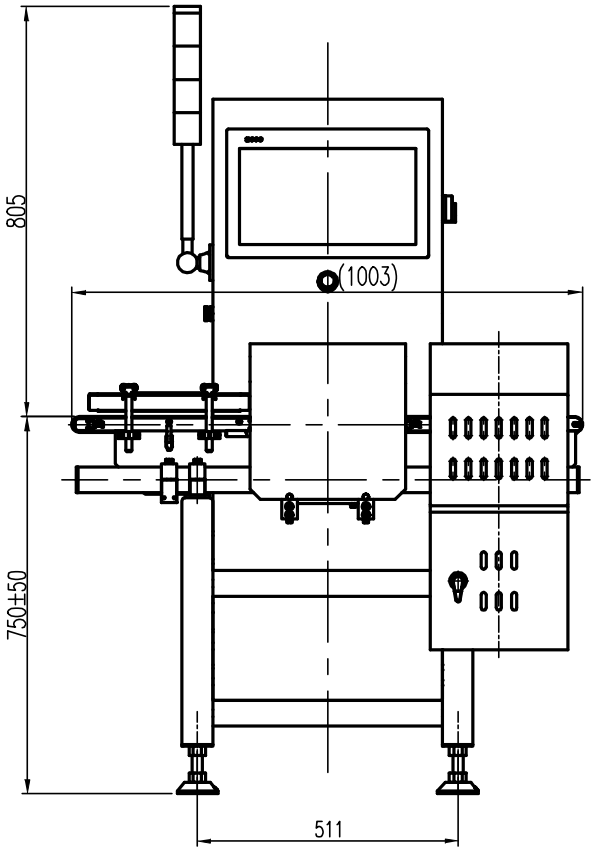


Technical Specifications

Weigh Range	5-3000g
Top Speed	250 ppm
Best Accuracy	+/- 0.3g
Readability	0.1g
Structure	SS304 / Aluminium
Operating Temperature	0°C ~ +40°C (+32°F ~ +113°F)
Power Supply	200 - 240 VAC, 50/60 HZ 480W5.5 - 6.9 bar
Air Supply	5.5 - 6.9 bar (80-100 PSI)
IP Rating	IP65
Line Height	800mm +/- 50mm
Communication	RS485, Modbus TCP/IP
HMI	15" Touch-screen
Protection	Windshield, preventing air turbulence and dust
Rejector	Air blast




353
150
350
200
350
838


805
(1003)
750±50
511

Sentinel SFD 300
Dynamic Inline Checkweigher

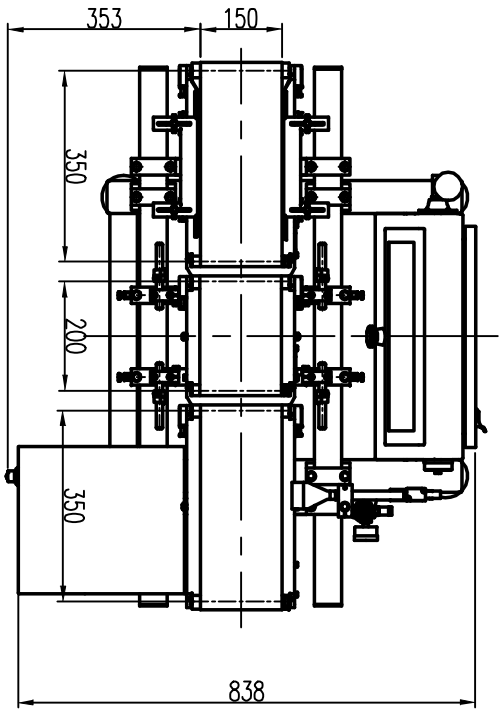
- Premium dynamic checkweigher for the Food industry
- Tool-free conveyor and belt replacement
- Hygienic design: round-tube frame and smooth surfaces reduce dirt and clogging risk
- Stores up to 200 recipes; 400gb of data storage

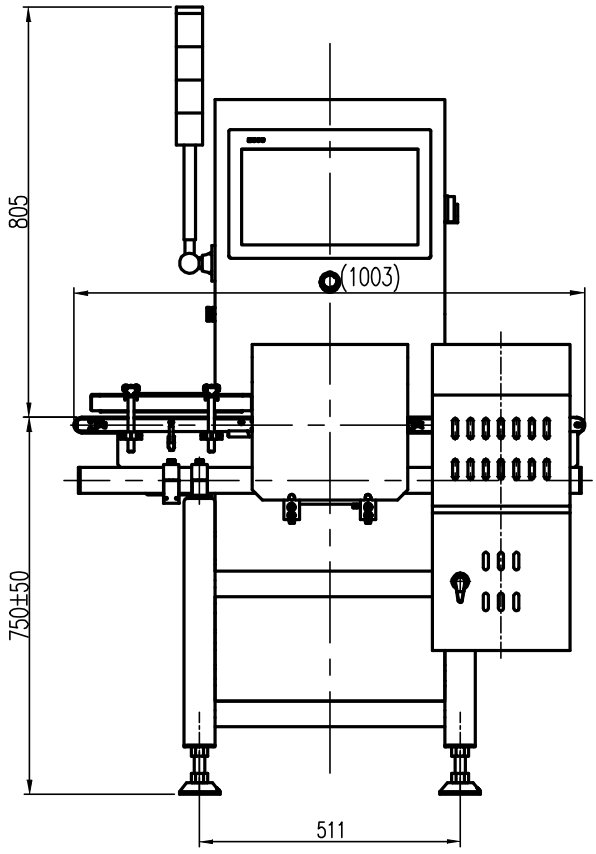


Technical Specifications

Weigh Range	20-500g
Top Speed	300 ppm
Belt Speed	10-70m/min
Best Accuracy	+/- 0.1g
Readability	0.05g
Structure	SS304 stainless steel
Operating Temperature	0°C ~ +40°C (+32°F ~ +113°F)
Power Supply	200 - 240 VAC, 50/60 HZ 480W5.5 - 6.9 bar
Air Supply	5.5 - 6.9 bar (80-100 PSI)
IP Rating	IP65
Line Height	750mm +/- 50mm
Communication	RS485, Modbus TCP/IP
HMI	15" Touch-screen
Protection	Windshield, preventing air turbulence and dust
Rejector	Air blast; Pusher

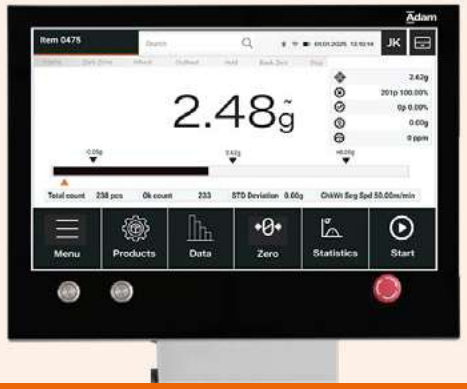



353
150
350
200
350
838


805
(1003)
750±50
511

Sentinel SHD 100
Heavy Duty Inline Checkweigher

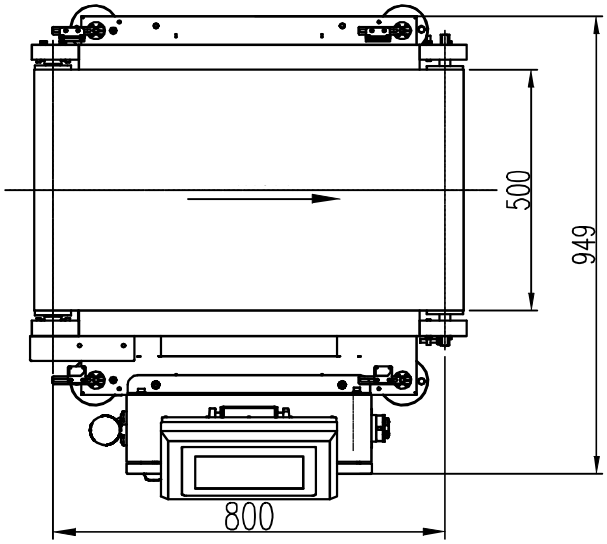
- Heavy duty, high capacity dynamic checkweigher
- 1,000,000 pcs weight value for production statistics
- Continuously variable belt speed control
- Automatic weighing compensation and zero

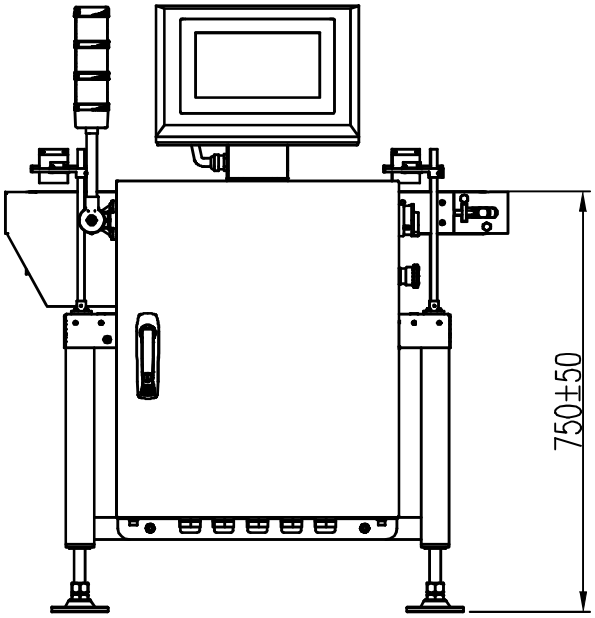


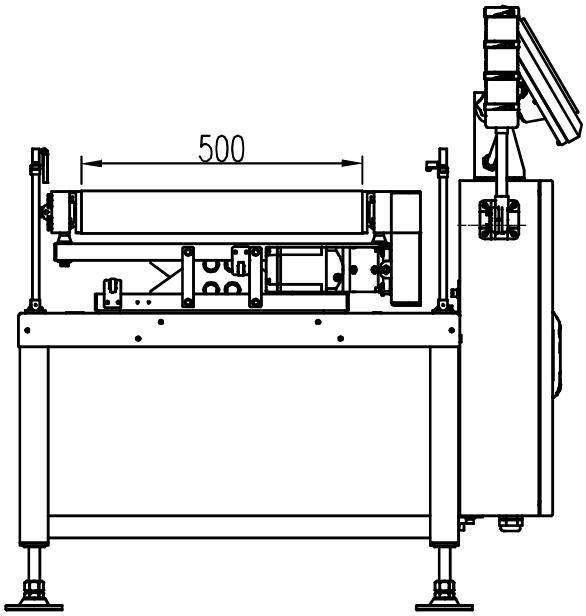
Technical Specifications

Capacity	15kg
Top Speed	85 ppm
Belt Speed	45 - 68 m/min
Best Accuracy	+/- 5g
Readability	1g
Structure	Carbon steel frame, SS304 stainless steel weighing platform
Operating Temperature	0°C ~ +40°C (+32°F ~ +113°F)
Power Supply	200 - 240 VAC, 50/60 HZ 675W
Air Supply	5.5 - 6.9 bar (80-100 PSI)
IP Rating	IP54 or IP65
Line Height	750mm +/- 50mm
Communication	RS485, Modbus TCP/IP
HMI	10" Touch-screen
Rejector	Optional roller pusher



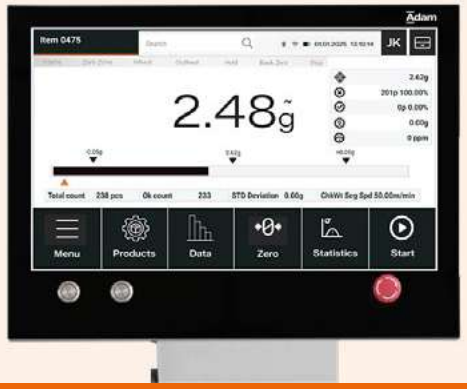

500
949
800


750±50


500

Sentinel SHD 300
Heavy Duty Inline Checkweigher

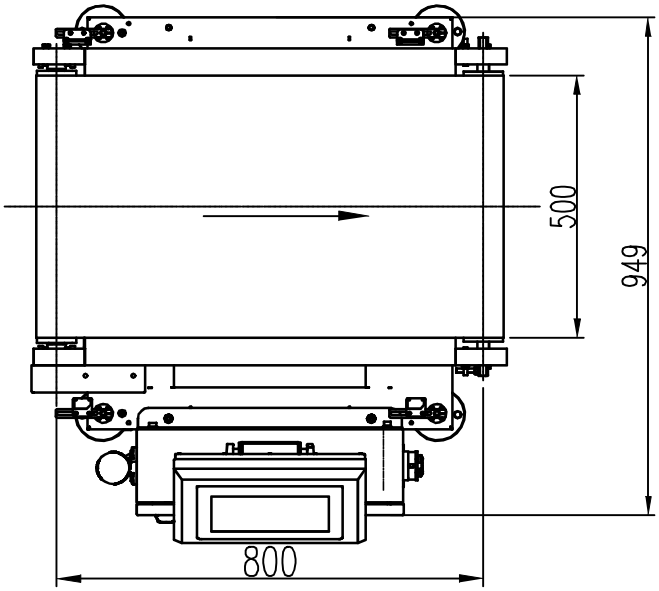
- Heavy duty, high capacity dynamic checkweigher
- 1,000,000 pcs weight value for production statistics
- Continuously variable belt speed control
- Automatic weighing compensation and zero

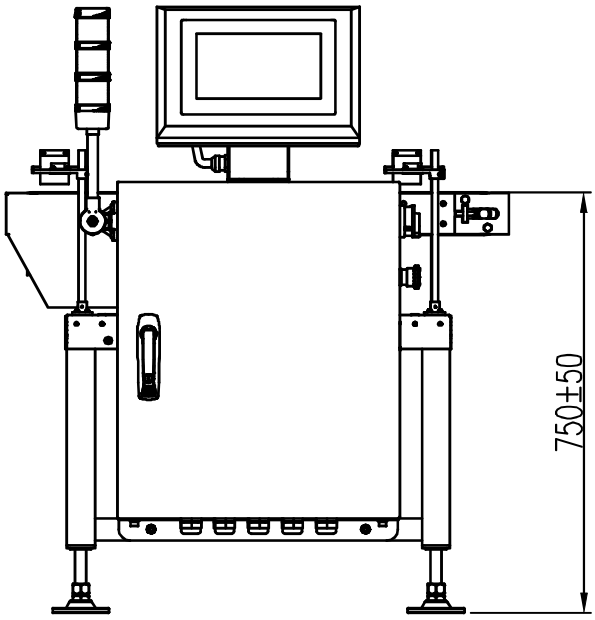


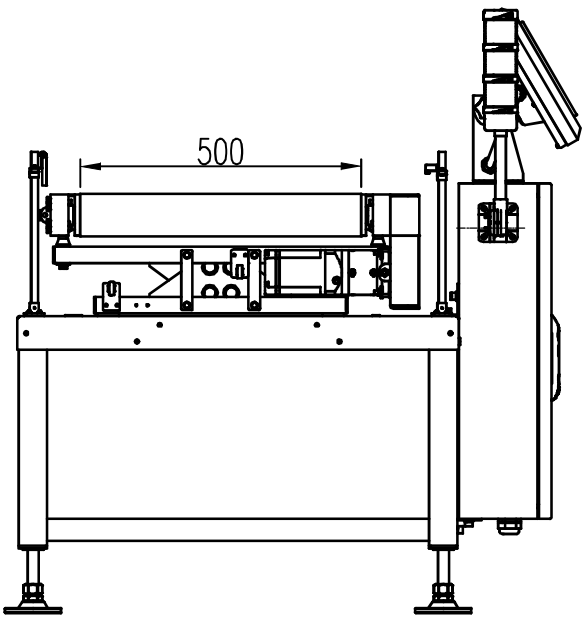
Technical Specifications

Capacity	30kg
Top Speed	40 ppm
Belt Speed	30 - 40 m/min
Best Accuracy	+/- 5g
Readability	1g
Conveyor Size	800x500mm
Structure	Carbon steel frame, SS304 stainless steel weighing platform
Operating Temperature	0°C ~ +40°C (+32°F ~ +113°F)
Power Supply	200 - 240 VAC, 50/60 HZ 675W
Air Supply	5.5 - 6.9 bar (80-100 PSI)
IP Rating	IP54 or IP65
Line Height	750mm +/- 50mm
Communication	RS485, Modbus TCP/IP
HMI	10" Touch-screen
Rejector	Optional roller pusher




500
949
800


750±50


500

Sentinel SHD 500
Heavy Duty Inline Checkweigher

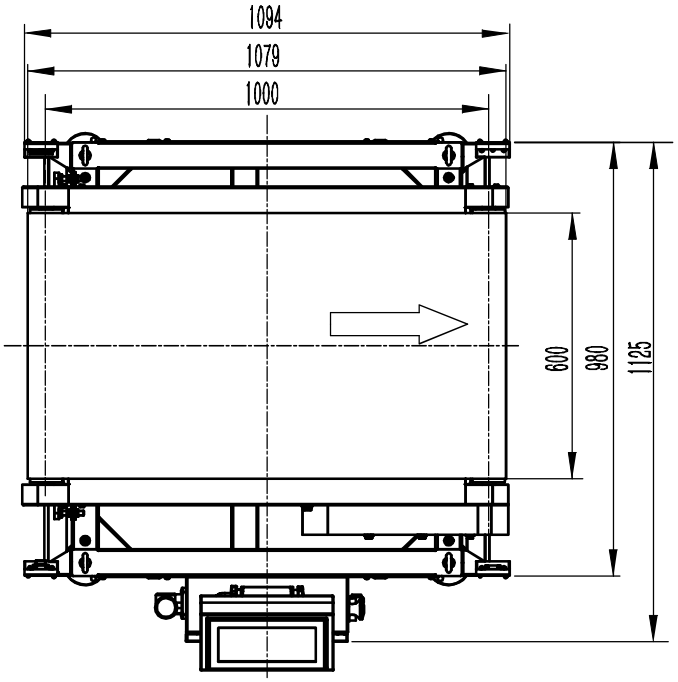
- Heavy duty, high capacity dynamic checkweigher
- 1,000,000 pcs weight value for production statistics
- Continuously variable belt speed control
- Automatic weighing compensation and zero

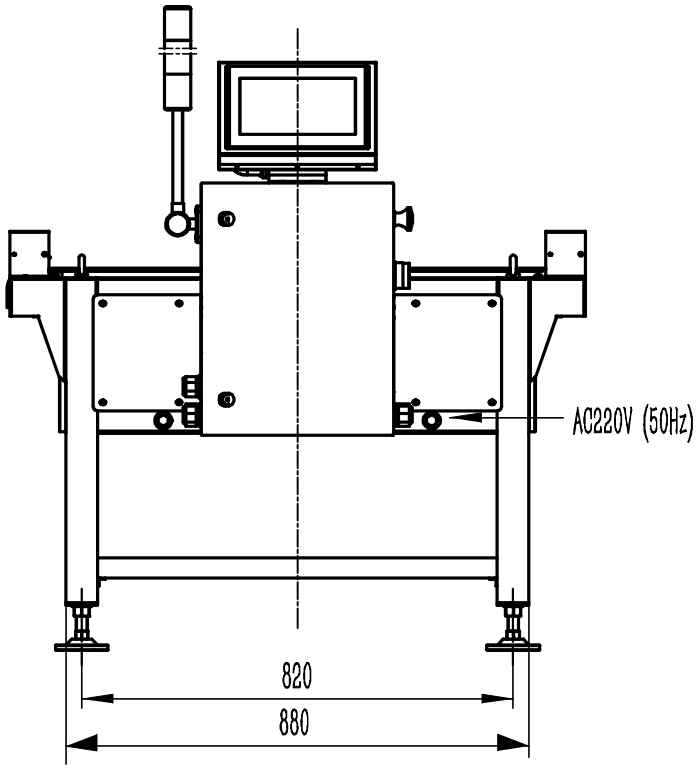


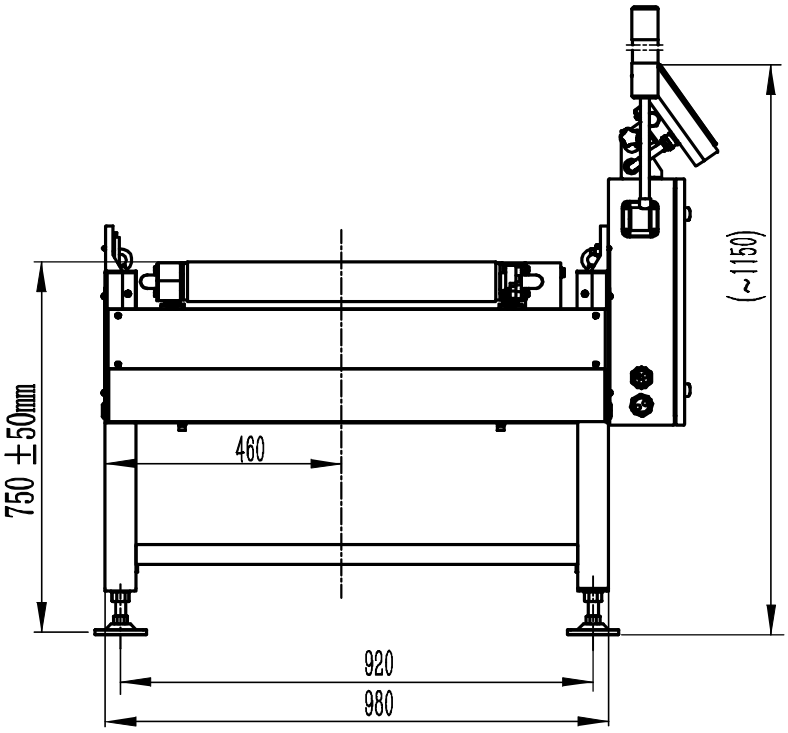
Technical Specifications

Capacity	60kg
Top Speed	60 ppm
Belt Speed	30 - 40 m/min
Best Accuracy	+/- 10g
Readability	5g
Conveyor Size	1000/1200x600mm
Structure	Carbon steel frame, SS304 stainless steel weighing platform
Operating Temperature	0°C ~ +40°C (+32°F ~ +113°F)
Power Supply	200 - 240 VAC, 50/60 HZ 675W
Air Supply	5.5 - 6.9 bar (80-100 PSI)
IP Rating	IP54 or IP65
Line Height	750mm +/- 50mm
Communication	RS485, Modbus TCP/IP
HMI	10" Touch-screen
Rejector	Optional roller pusher




1094
1079
1000
600
980
1125


AC220V (50Hz)
820
880


750 ±50mm
460
(~1150)
920
980

Sentinel SHD 600
Heavy Duty Inline Checkweigher

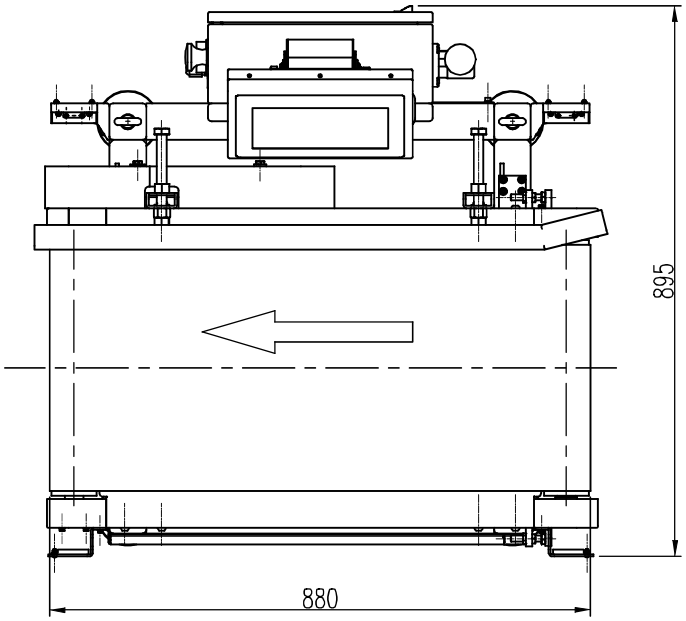
- Heavy duty, high capacity dynamic checkweigher
- 1,000,000 pcs weight value for production statistics
- Continuously variable belt speed control

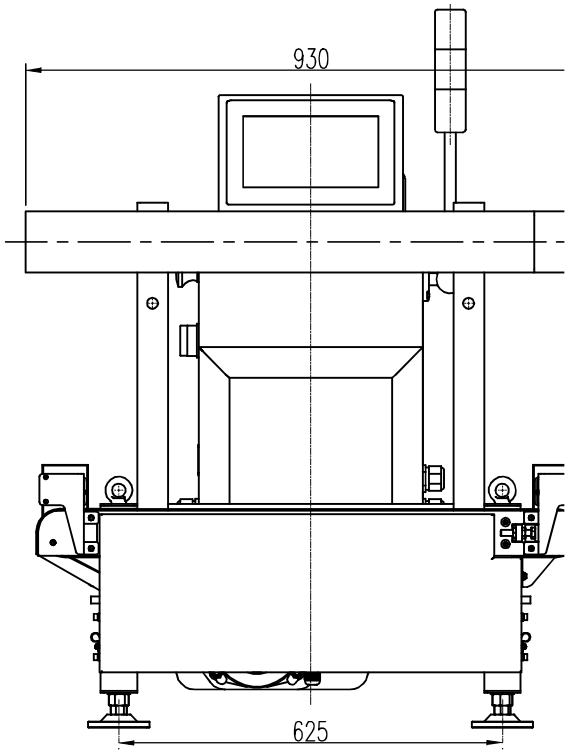


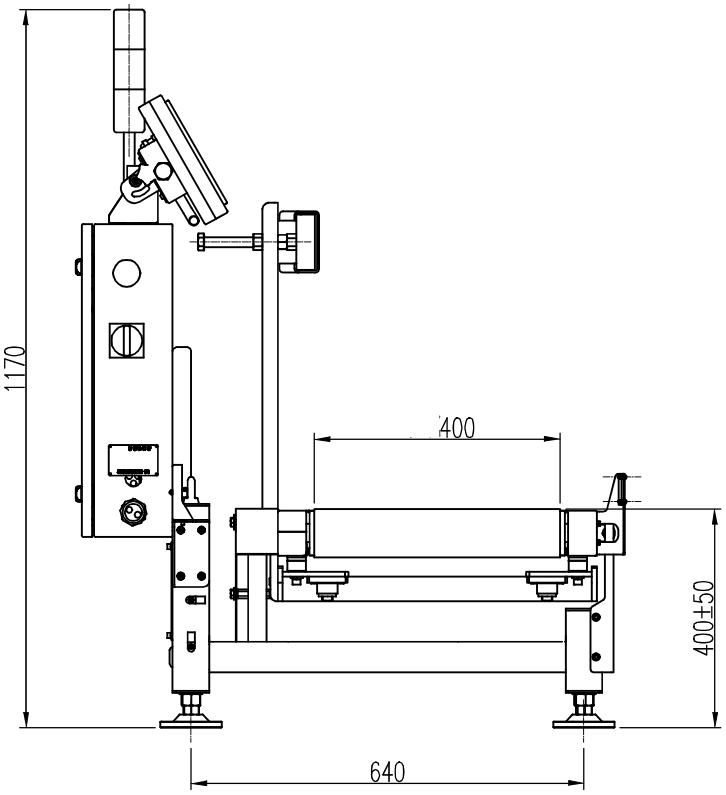
Technical Specifications

Capacity	60kg
Top Speed	45 ppm
Belt Speed	40 m/min
Best Accuracy	+/- 10g
Readability	5g
Conveyor Size	800x400mm
Structure	Carbon steel frame, SS304 stainless steel weighing platform
Operating Temperature	0°C ~ +40°C (+32°F ~ +113°F)
Power Supply	200 - 240 VAC, 50/60 HZ 675W
Air Supply	5.5 - 6.9 bar (80-100 PSI)
IP Rating	IP54 or IP65
Line Height	750mm +/- 50mm
Communication	RS485, Modbus TCP/IP
HMI	10" Touch-screen
Rejector	Optional roller pusher



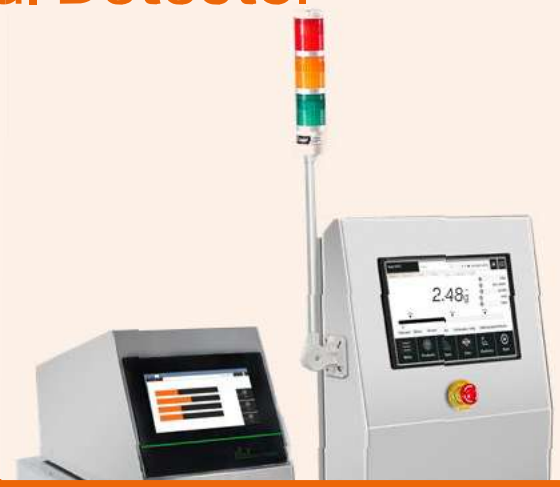

895
880


930
625


1170
400
400±50
640

Sentinel SFC 200 Combi
Inline Checkweigher & Metal Detector

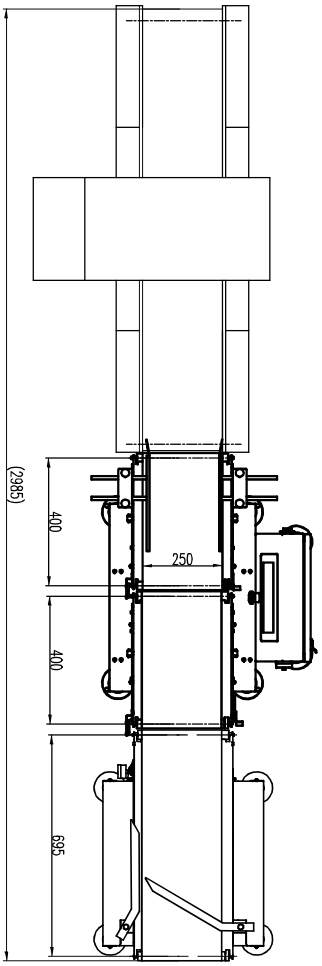
- Premium dynamic checkweigher for the Food industry, with metal detector
- 1,000,000 pcs weight value for production statistics
- Continuously variable belt speed control

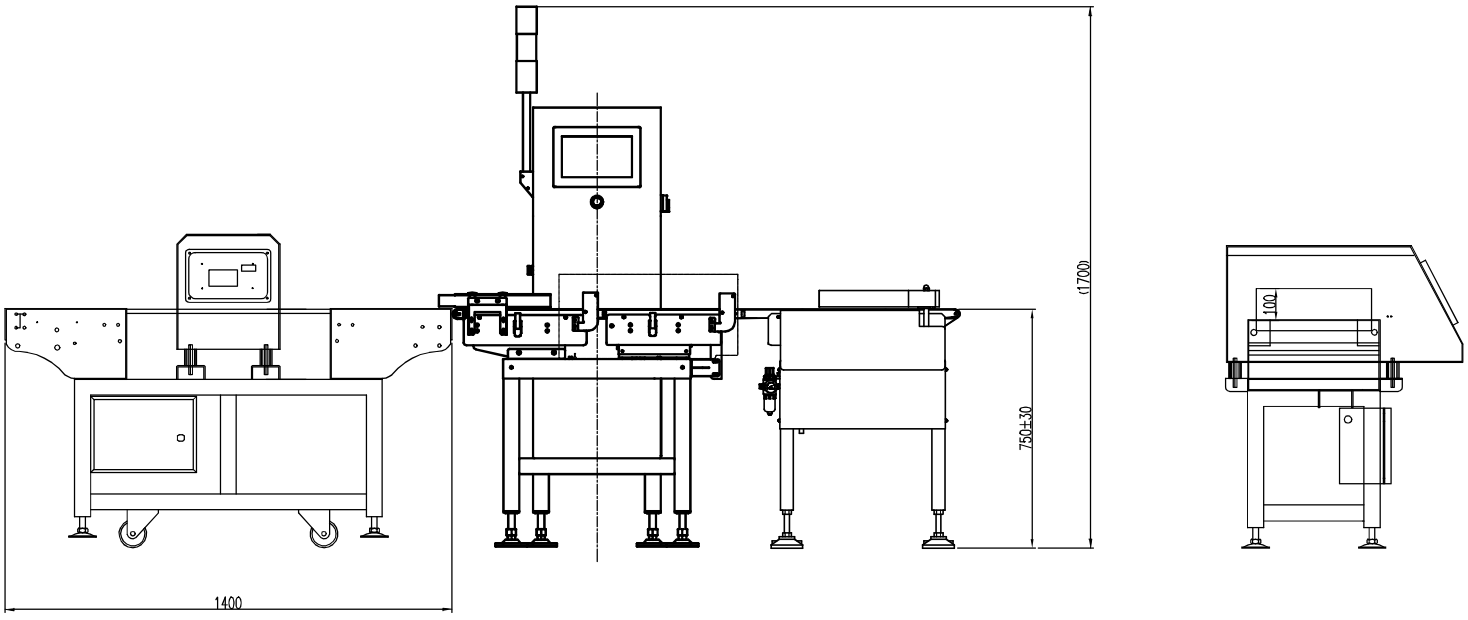


Technical Specifications

Capacity	1200g
Top Speed	100 ppm
Belt Speed	5-40 m/min
Best Accuracy	+/- 0.5g
Readability	0.1g
Conveyor Size	400x250mm
Structure	Carbon steel frame, SS304 stainless steel weighing platform
Metal Detector Sensitivity	Fe 0.7mm SS304 1.2mm Non-Fe 1.0mm (Ball Diameter)
Metal Detector WidthxHeight	250x80mm/100mm/120mm/150mm
Operating Temperature	0°C ~ +40°C (+32°F ~ +113°F)
Power Supply	200-240VAC 50/60 Hz 480W5.5 -6.9 bar
Air Supply	5.5 - 6.9 bar (80-100 PSI)
IP Rating	IP54 or IP65
Line Height	750mm +/- 50mm
Communication	RS485, Modbus TCP/IP
HMI	10" Touch-screen
Rejector	Divert, Pusher, Air Blast

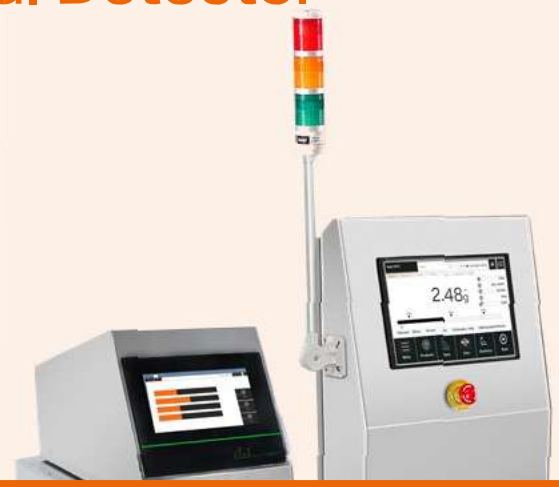



(2985)
400
250
400
695


1400
(1700)
750±30
100

Sentinel SFC 400 Combi
Inline Checkweigher & Metal Detector

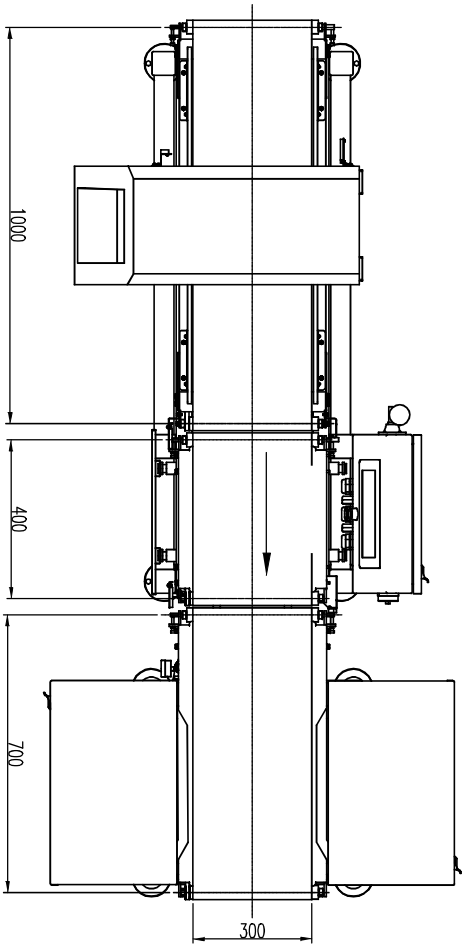
- Premium dynamic checkweigher for the Food industry, with metal detector
- 1,000,000 pcs weight value for production statistics
- Continuously variable belt speed control

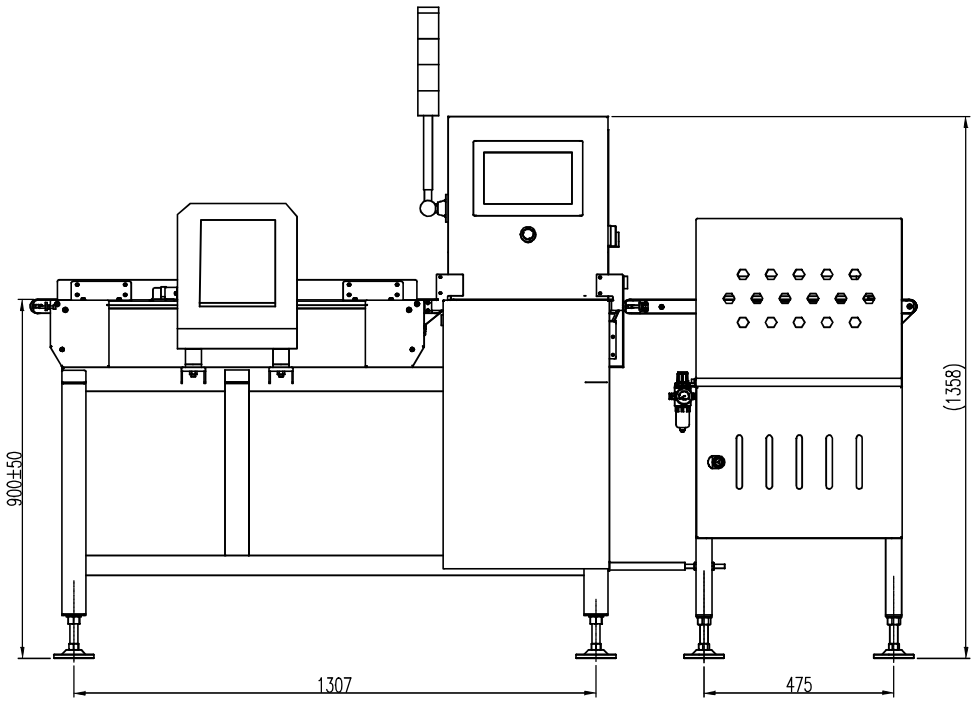


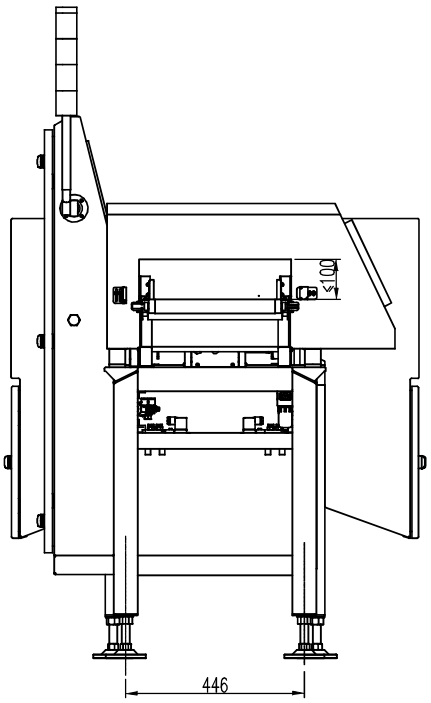
Technical Specifications

Capacity	3kg
Top Speed	100 ppm
Belt Speed	5-40 m/min
Best Accuracy	+/- 1g
Readability	1g
Conveyor Size	400x300mm
Structure	Carbon steel frame, SS304 stainless steel weighing platform
Metal Detector Sensitivity	Fe 0.7mm SS304 1.2mm Non-Fe 1.0mm (Ball Diameter)
Metal Detector WidthxHeight	300x80mm/100mm/120mm/150mm
Operating Temperature	0°C ~ +40°C (+32°F ~ +113°F)
Power Supply	200-240VAC 50/60 Hz 480W5.5 -6.9 bar
Air Supply	5.5 - 6.9 bar (80-100 PSI)
IP Rating	IP54 or IP65
Line Height	750mm +/- 50mm
Communication	RS485, Modbus TCP/IP
HMI	10" Touch-screen
Rejector	Divert, Pusher, Air Blast




1000
400
700
300


900±50
(1358)
1307
475


≤100
446

Models Overview

Model	Capacity/ Weight Range	Readability	Range/Industry	Options
SPH 300	5-600g	0.01g	Pharma	
SFD 200	500-3000g	0.1g	Food	
SFD 300	20-500g	0.05g	Food	
SHD 100	15kg	1g	Heavy Duty	Roller Pusher
SHD 300	30kg	1g	Heavy Duty	Roller Pusher
SHD 500	60kg	5g	Heavy Duty	Roller Pusher
SHD 600	60kg	5g	Heavy Duty	Roller Pusher
SFC 200 Combi	1200g	0.1g	Food	
SFC 400 Combi	3000g	1g	Food	

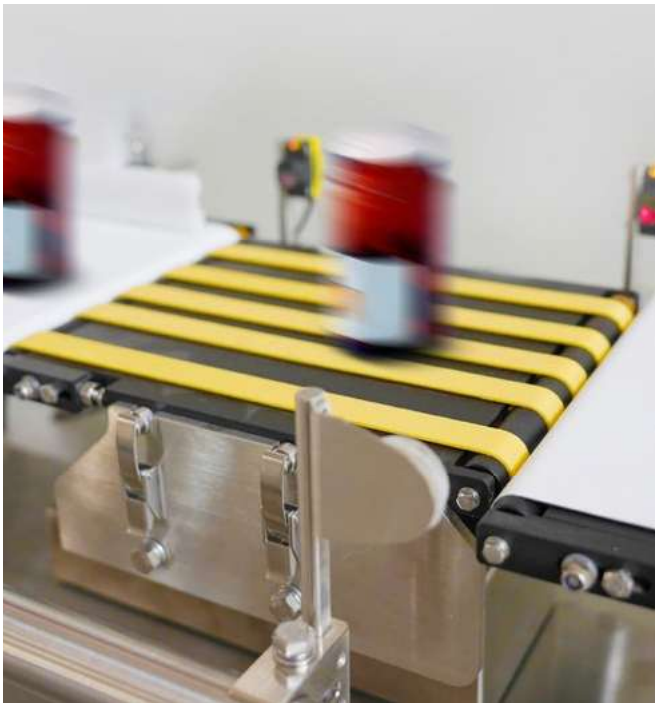
Key Features of the Sentinel Range

Impressive speed and efficiency: **Up to 400** pcs/min

Wide weighing capacity range: **5g - 60kg**

Readability*: **Up to 0.01** g





FDA INSPECTED — FDA Approval

3Q — 3Q Documentary

Factory Acceptance Test

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

Choose from nine capacity options, with belt speeds up to 400ppm. There's a model for almost any application.

Smart, Intuitive Touch-screen Operation

Bright, clear, one-touch operation. Multiple dashboards for data analytics provide real-time production trend monitoring with Statistical Process Control.

Fully Automatic Set-up

Sentinel's dynamic configuration ensures automatic set-up when you're using for the first time, or changing to another product. This reduces down-time and means you're up and running in as little time as possible.

Compliance with Regulatory Requirements

Accurate, repeatable dynamic weight measurment. Where relevant, models complies with relevant industry regulatory requirements such as FDA 21 CFR Part 11 audit trails.

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 calibration.

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.

Adam

adamequipment.com

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