

Thermo Scientific VersaWeigh®



We Understand Your Challenges

You spoke. We listened. You need to increase productivity, improve efficiency, minimize downtime and lower operating costs. You want a checkweigher that's accurate, easy to use, easy to clean, easy to maintain and can handle a broad range of applications. And now you have it: the Thermo Scientific VersaWeigh.



Shown at right the Thermo Scientific VersaWeigh model 40-100
400-mm (15.7-in) wide belt, 10 kg capacity
with 2,010-mm (79.1-in) overall length and IP-66 option pack.

On the cover Thermo Scientific VersaWeigh model 10-015 model
100-mm (3.9-in) wide belt, 1.5 kg capacity, 610-mm (24-in) overall length



A Versatile Checkweigher to Meet Your Needs

VersaWeigh is a new generation of checkweighers from the global leader in scientific and process instrumentation. We've been in the checkweighing business for more than 50 years, and we've built upon our vast experience and strong legacy (former Ramsey and Icore brands) to bring you a versatile checkweigher under our new product brand, Thermo Scientific.

With VersaWeigh, you benefit from:

Sanitary Design — Designed for clean in place; flat surfaces avoided to reduce risk of product buildup; minimized footprint; routine sanitation of the system in five minutes or less.

Ease of Maintenance — Rapid release conveyors and belts; quick disconnect cabling; DIN-rail mounted networked modular electronic architecture; no tools required for belt replacement or replacement of most electronic modules; most repairs done in less than 30 minutes.

Durable Design — Full stainless steel frame, electronics enclosure, and conveyor beds; high-torque sealed brushless DC motors; trouble-free operation with minimal maintenance.

Accuracy and Reliability — Better accuracy at faster speeds than previous generation models.

Ease of Use — Microsoft® Windows® XP operating system; large, easy-to-read, color touch-screen operation; configurable security access levels.

Versatility — the VersaWeigh family covers a broad range of your checkweighing applications from lightweight packages to packs up to 10 kg, with a standard architecture and standard HMI.

Future-proof Technology — parts compatibility with all Thermo Scientific checkweighers, general purpose and specialty.

OEM Integration — Our modular weigh-engine approach enables integration into larger packaging systems.



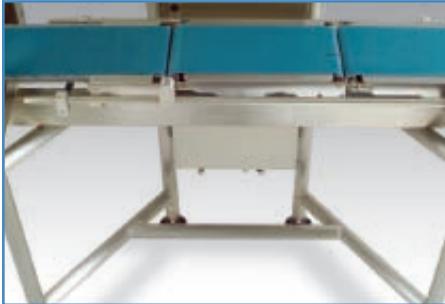


Your Complete Standard Solution

Sanitation

VersaWeigh's unique trapezoid frame eliminates bacteria traps and provides a hygienic design that is designed for easy sanitization:

- Stainless steel construction of frame, cabinet and conveyor beds with optional stainless steel rollers and loadcell.
- Open frame provides easy access for cleaning.
- Rapid-release belts facilitate tool-less slackening of the conveyor belts for cleaning.
- Rounded tube and cabinet surfaces virtually prohibit any buildup of product that could present a sanitation risk.
- IP-65 rated, with optional IP-66 configuration.



Technology

VersaWeigh uses a fully upgradeable technology platform:

- 10.4-in XGA color touch-screen
- Windows XP based user interface
- Independent weigh-engine improves filtering, stability, control.
- Independent weighing engine uses a powerful Blackfin™ digital signal processor supporting proprietary signal processing algorithms enabling our new Thermo Scientific AutoCalc™ system which eliminates complex setup requirements.
- Networked controller modules utilize latest technology CANbus and Ethernet networks to provide easy module exchange and simple repair.

Performance

- Accuracy equal to or better than the requirements of European, North American or international standards.
- Exclusive Thermo Scientific DBSVAC™ (Dynamic Broad Spectrum Vibration Analysis and Compensation) eliminates ambient environmental influences to optimize performance
- A new standard of accuracy at line rates surpassing the capabilities of competitive checkweighers.
- Accuracy standards maintained over time and environmental changes thanks to proprietary software, including advanced automatic-zero algorithms.

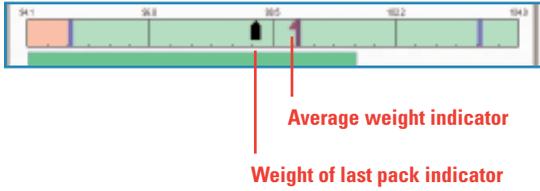
Maintenance

When maintenance is required, VersaWeigh is designed to return to full production quickly using innovative features such as:

- Powerful brushless DC motors and sealed-for-life bearings which require no routine maintenance.
- Rapid-release mechanical and electrical conveyor attachments which allow conveyors to be removed in a matter of seconds.
- PSC (Parameter Storage Card) permits motor controllers to be changed with no setup or re-programming requirement.
- Networked Modular Electronic Architecture (Thermo Scientific NMEA™) enables virtually any electrical or electronic module being able to be replaced without the use of tools.
- Tool-less thumb-screw adjustment of belt tracking, with captive conveyor rollers makes belt adjustment or changing a snap!



SmartZone™ Indicator
(shown with three-zone configuration)



Shown here is the Thermo Scientific VersaWeigh model 40-100 with optional Thermo Scientific APEX 300 Metal Detector



Other Features

Everything you've come to expect from a checkweigher but in an easier-to-use product! VersaWeigh innovations include:

- Enhanced AutoCalc™ capability – taking the automatic setup introduced in our previous generation products to a whole new level, almost eliminating any need for formal setup training!
- Contextual help screens to guide operation.
- User configurable operator level – controlled access for complete security and data integrity.
- Available expanded statistics and graphs provide detailed views of production line performance.
- One hundred standard product memories, expandable, searchable by product or name.
- Thermo Scientific SmartZone™ display for snapshot product information on the main screen.
- Large, high visibility weight display is supplemented by a bright 'good/bad' or 'go/no-go' indicator; similar to the revolutionary display introduced in the Thermo Scientific EZx™ X-ray inspection product.

Your Complete Expandable Solution

Building on a foundation of standard features, the Thermo Scientific VersaWeigh offers options to expand capabilities to create application-specific solutions according to your needs. A wide variety of options are individually available, but for convenience common selections are available in groups, including:

- IP-66 option pack
- Electrical option pack
- Power-user option pack
- Pharma option pack
- Reject integrity option pack
- Combo (combination metal detector/checkweigher system) utilizing the Thermo Scientific APEX™ advanced metal detection capabilities.



Standard main weight display screen
(shown with three-zone configuration)

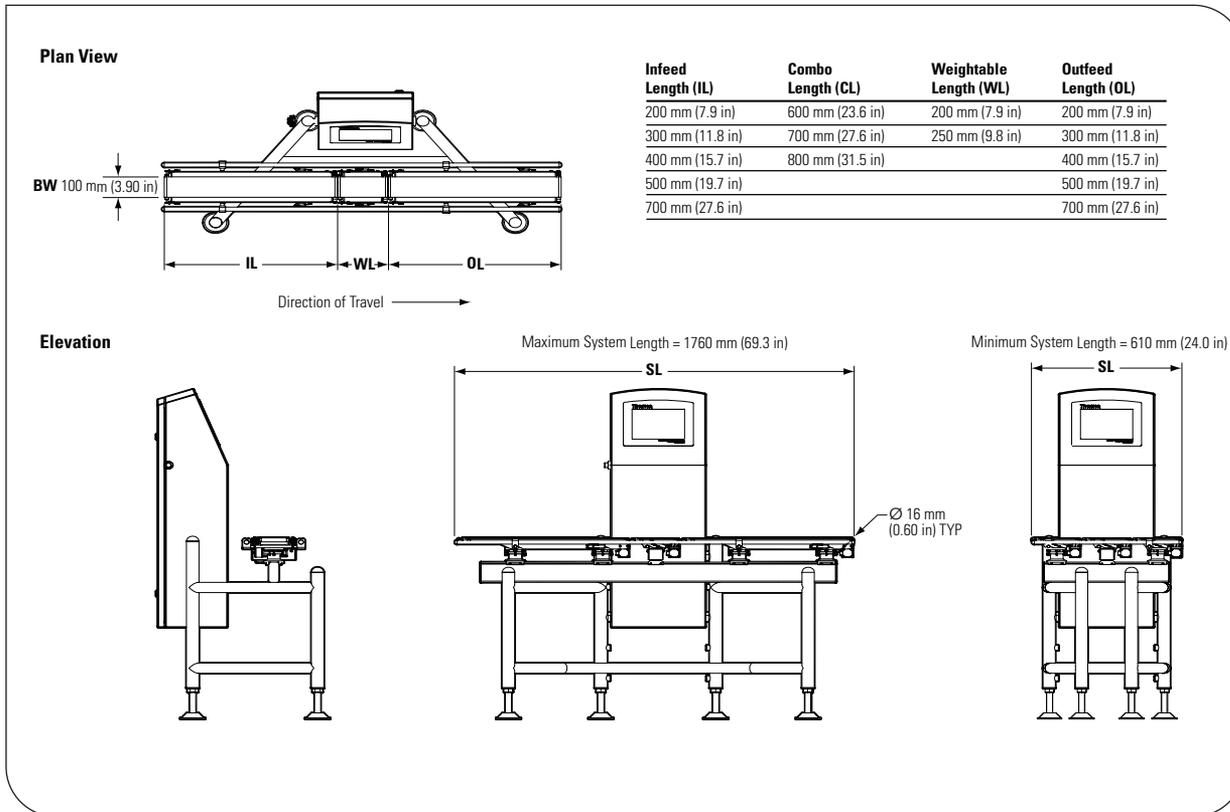
Specifications



General Specifications

Maximum Package Weight	1.5 kg (3.31 lb)
Belt Width	100 mm (3.94 in)
Standard Conveyor Height (TH)	800 mm, 900 mm, 1000 mm, or 1100 mm
Standard Adjustment	+100 mm / -80 mm
Motor Power Rating	100 W (1/8 hp)
Conveyor Roller Diameter	16 mm (0.63 in)
Number of Loadcells	1
Frame Tubing	Stainless steel, 50 mm (1.97 in) Diameter

Thermo Scientific VersaWeigh 300 Model 10-015



Several rejecter designs are available. Contact Thermo Fisher for more information.

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Thermo Scientific VersaWeigh® 300 Model 20-015, 20-030

Specifications

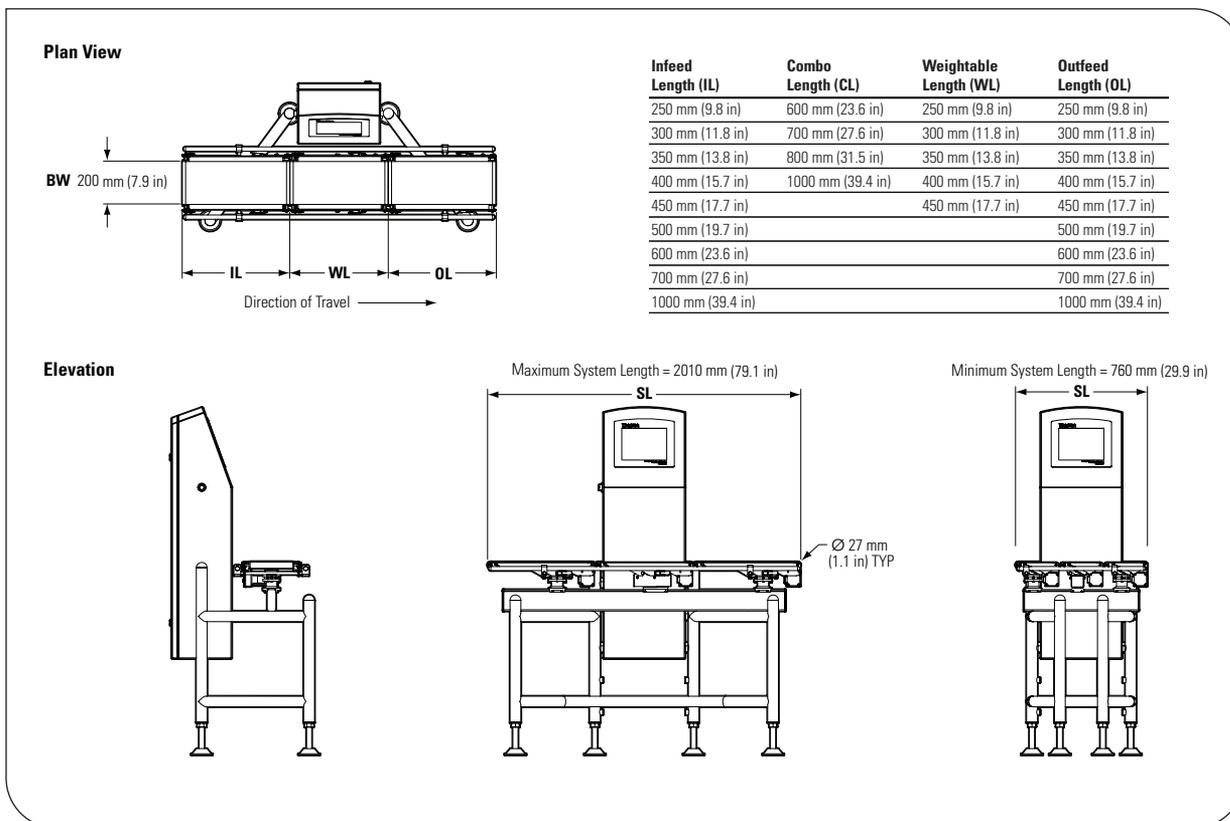


Shown with FDA belts for washdown

General Specifications

Maximum Package Weight	20-015: 1.5 kg (3.31 lb) 20-030: 3.0 kg (6.62 lb)
Belt Width	200 mm (7.87)
Standard Conveyor Height (TH)	650 mm, 800 mm, 900 mm, 1000 mm, or 1100 mm
Standard Adjustment	+100 mm / -80 mm
Motor Power Rating	200 W (1/4 hp)
Conveyor Roller Diameter	27 mm (1.06 in)
Number of Loadcells	1
Frame Tubing	Stainless steel, 50 mm (1.97) Diameter

Thermo Scientific VersaWeigh 300 Model 20-015, 20-030



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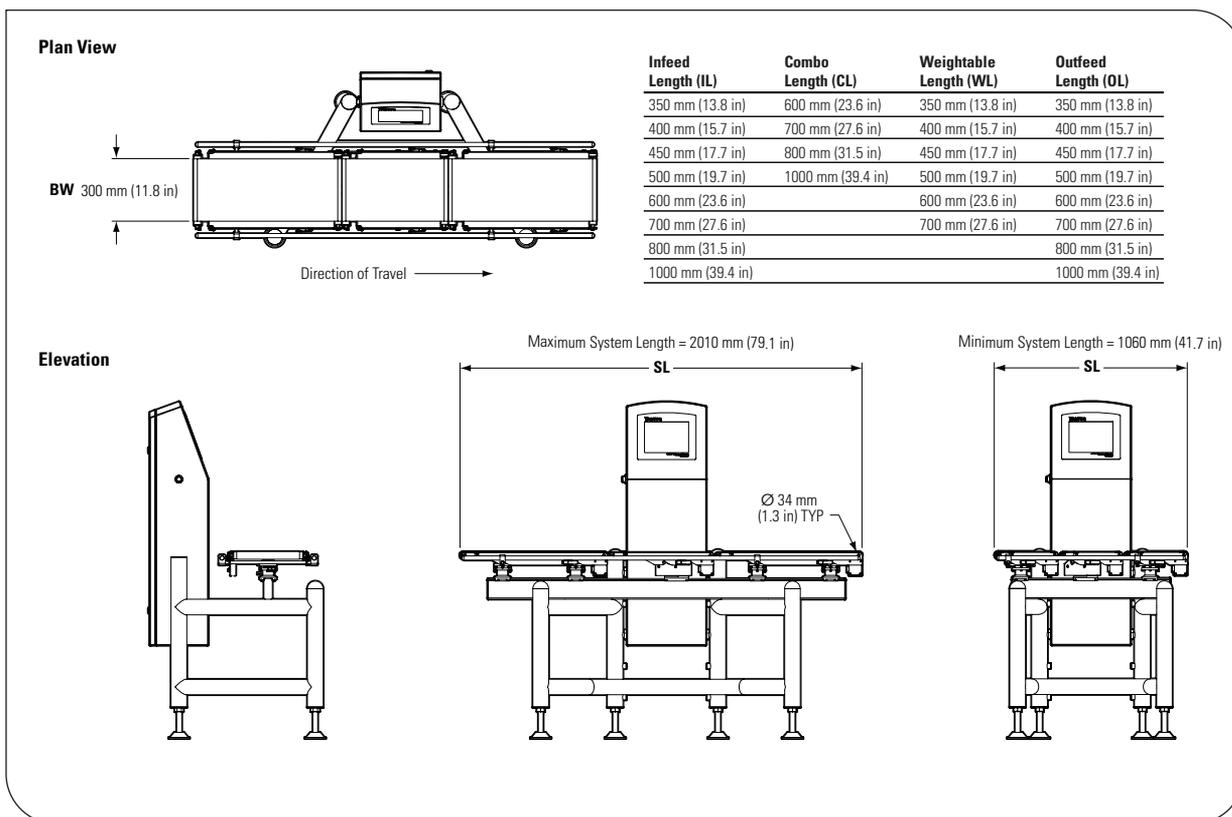
Specifications



General Specifications

Maximum Package Weight	30-015: 1.5 Kg (3.31 lb) 30-030: 3.0 Kg (6.62 lb)
Belt Width	300 mm (11.81 in)
Standard Conveyor Height (TH)	650 mm, 800 mm, 900 mm, 1000 mm, or 1100 mm
Standard Adjustment	+100 mm / -80 mm
Motor Power Rating	400 W (1/2 hp)
Conveyor Roller Diameter	34 mm (1.34 in)
Number of Loadcells	1
Frame Tubing	Stainless steel, 75 mm (2.95) Diameter

Thermo Scientific VersaWeigh 300 Model 30-015, 30-030



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Thermo Scientific VersaWeigh® 300 Model 30-060

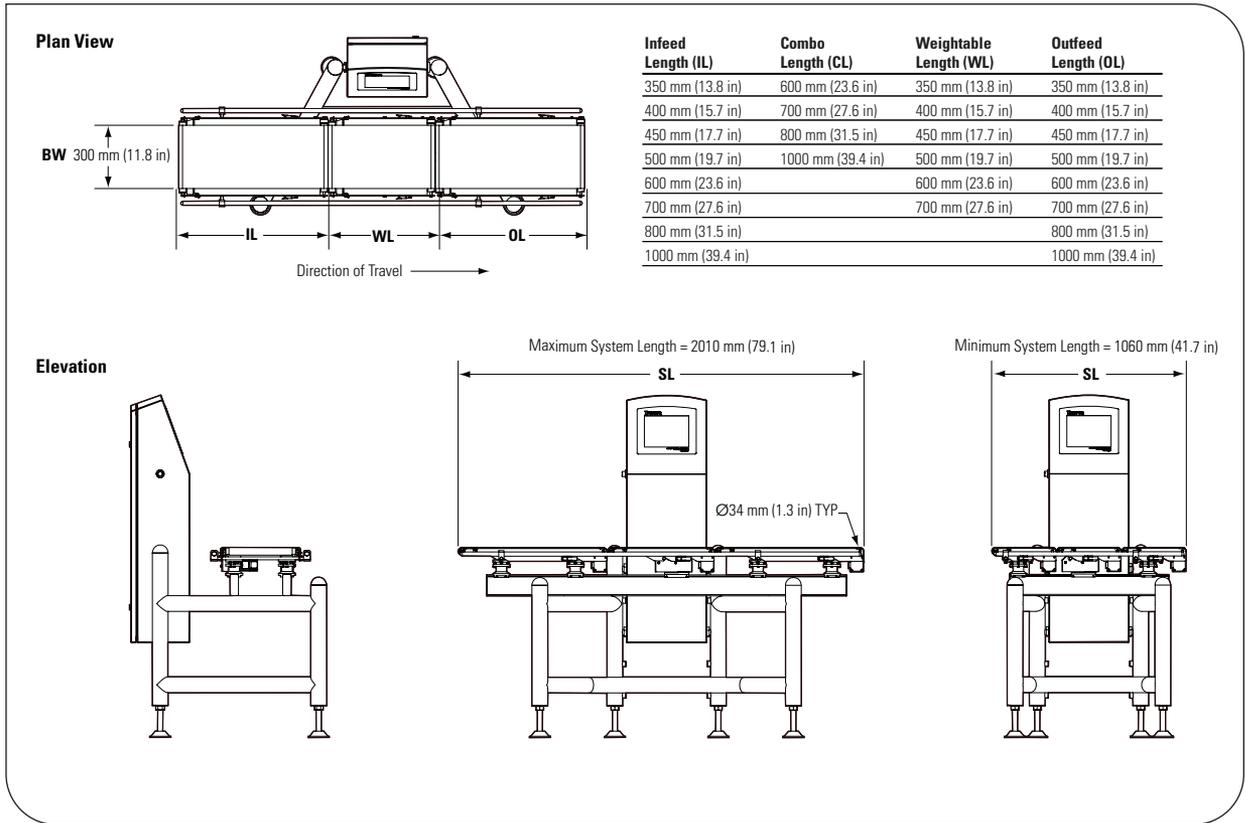
Specifications



General Specifications

Maximum Package Weight	6.0 kg (13.2 lb)
Belt Width	300 mm (11.81 in)
Standard Conveyor Height (TH)	650 mm, 800 mm, 900 mm, 1000 mm, or 1100 mm
Standard Adjustment	+100 mm / -80 mm
Motor Power Rating	400 W (1/2 hp)
Conveyor Roller Diameter	34 mm (1.3 in)
Number of Loadcells	2
Frame Tubing	Stainless steel, 75 mm (2.95 in) Diameter

Thermo Scientific VersaWeigh 300 Model 30-060



Several rejecter designs are available. Contact Thermo Fisher for more information.

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Specifications



Shown with FDA belts for washdown

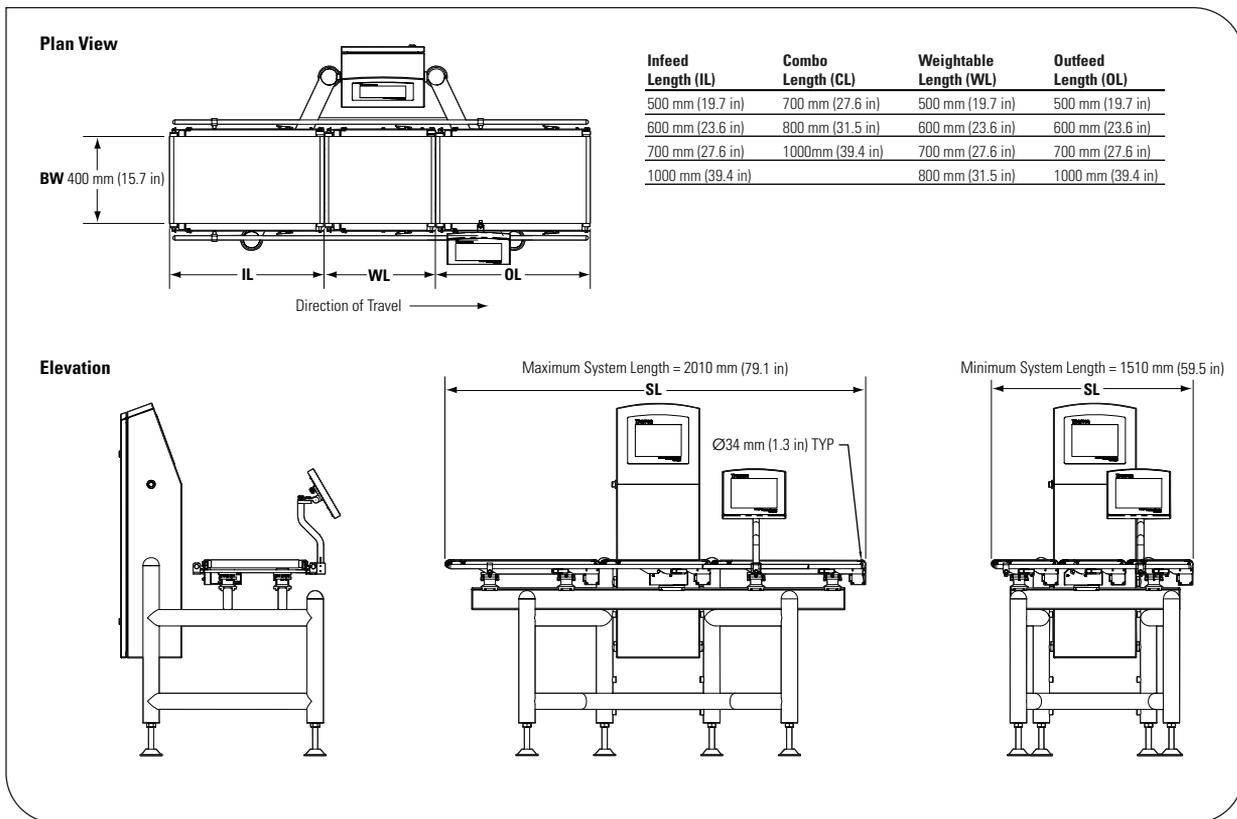


Shown with FDA belts for washdown

General Specifications

Maximum Package Weight	40-030: 3.0 kg (6.62 lb) 40-060: 6.0 kg (13.24 lb) 40-100: 10 kg (22.04 lb)
Belt Width	400 mm (15.7 in)
Standard Conveyor Height (TH)	650 mm, 800 mm, 900 mm, 1000 mm, or 1100 mm
Standard Adjustment	+100 mm / -80 mm
Motor Power Rating	400 W (1/2 hp)
Conveyor Roller Diameter	34 mm (1.34 in)
Number of Loadcells	2
Frame Tubing	Stainless steel, 75 mm (2.95 in)

Thermo Scientific VersaWeigh 300 Model 40-030, 40-060, 40-100



Shown with optional Front Mounted User Interface

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