

NEW  
MODEL

Yamato

Semi automatic Table-top Dataweigh™

# TSD-N3™ series

An ideal combination scale for fixed weight food packages



# An ideal combination scale for fixed weight food packages.

Simple Operation



Low Maintenance



Accurate & Labor saving



Gentle Handling



Space saving design





## Simple Operation

Color Touch Screen Operator Interface

- **10.4 inch color touch screen**
- **User-friendly icons enable easy operation.**
- **Up to 100 pre-set programs can be memorized.**

USB Memory port



- **Data acquisition**
- **Program update**

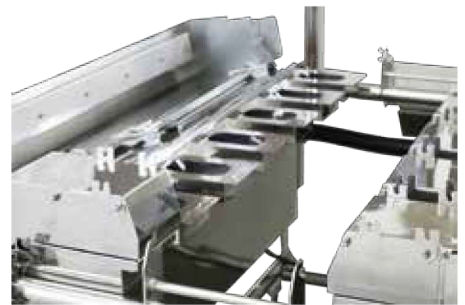
Self-diagnostics

*All important system conditions, including voltages, input/output status, software versions, and analog/digital converter can be monitored and diagnosed through the color touch screen operator interface.*



## Low Maintenance

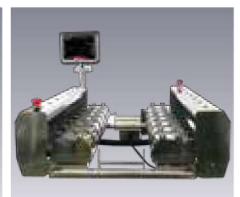
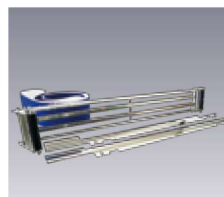
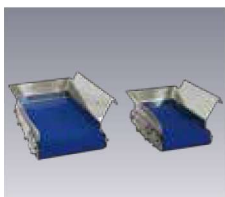
*The modular Actuator Unit incorporates the high-performance Yamato Strain Gauge Load Cell with the brushless motor driven system. This modular design makes troubleshooting and maintenance easy and quick.*



Easy cleaning

*Reduce downtime for cleaning. Weighing conveyors and a collating conveyor are detachable for quick and easy washdown.*

*\*The TSD-N3 series can be washed down with non-pressurized hose water.*



**\*All conveyor belts are easily detachable.**



# Accurate & Labor saving

The TSD-N3 series selects an optimal combination nearest to the target weight and discharges it automatically.

**e.g.) Making a pack of 200g**



## Manual work can result in loss of product

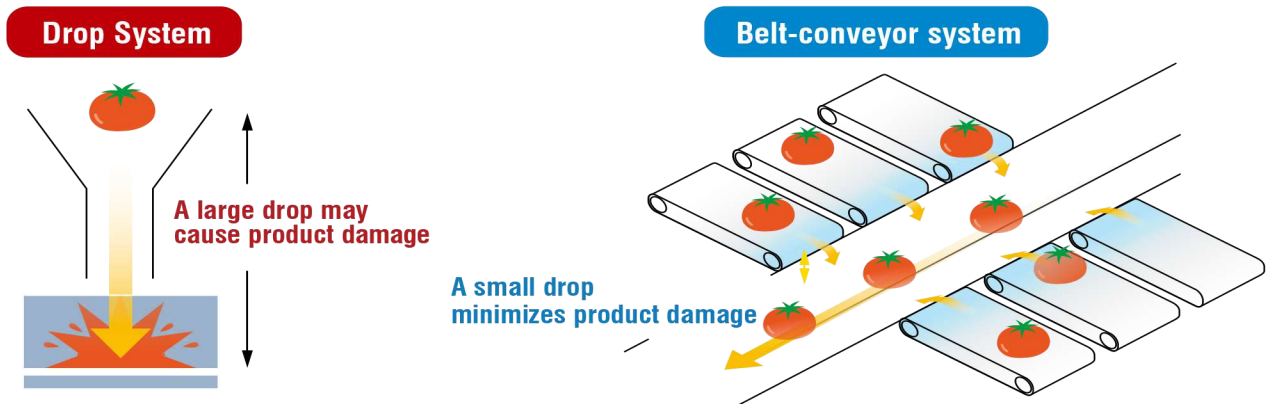
The TSD-N3 series increases the number of final packed products from the same amount of materials by reducing weighing loss.



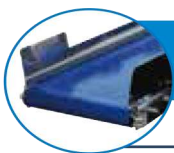
# Gentle Handling

Belt-conveyor system for product discharge

**The TSD-N3 series is suitable for weighing delicate and fragile products.**



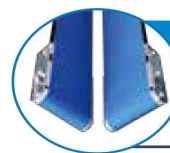
Belt-conveyor system with reduced drop height allows transfer of fragile or sticky products.



## Collating Conveyor - Single Flat Belt Type

Potential Application

- Diced Ham, Sausage, Lobster Tail
- Dried Fruit
- Rice Cracker, Chocolate



## Collating Conveyor - V shaped Belts Type

Potential Application

- Mushroom, Garlic
- Tomato, Mini tomato, Paprika
- Cucumber, Egg plant, Bunch of Grapes



## Space saving design

Compact design and standard casters make it easy to move or relocate the equipment.

### Specifications

Model	TSD-N3I4WS-FP(V)	TSD-N3I4WL-FP(V)
Dust/water protection	IP67 for conveyors and main body, IP65 for RCU	
Weighing capacity	1,500g per weigh head	
Display division	1g	
Combination accuracy	0.1g	
Range of combination	8g (actually 20g) - 6000g standalone 8g - 18,000g with an external scale	
Combination speed	20 to 50wpm	20 to 50wpm
Number of weigh heads	2 row x 7 heads	
Weigh conveyoe size	215(L) × 109(W)mm	305(L) × 139(W)mm
Collating conveyor size	1,515(L) × 153(W)mm (Flat type conveyor) 1,515(L) × 90(W)mm (V type conveyor)	1,725(L) × 293(W)mm (Flat type conveyor) 1,725(L) × 160(W)mm (V type conveyor)
Outer dimensions	1,720(L) × 850(W) × 1325 - 1415(H)mm	1,930(L) × 1170(W) × 1325 - 1415(H)mm
Net weight	170kg(Flat type conveyor) 190kg (V type conveyor)	190kg(Flat type conveyor) 210kg (V type conveyor)
Number of PLU's	Max. 100 items	Max. 100 items
Functions	Priority combination function, Proximity combination function, Remain detecting combination function, Upper/lower limit discriminating function for unit weight, Quantity combination function, Target value setting, Target Speed setting, Multi dump function, Maximum multi-dump count, Mix combination function, Weight value update, Reversed discharge function, Zero point return monitoring function at discharge	
Operating temperature	0°C ~ + 40°C	
Humidity	30% ~ 85% R.H. (No condensation)	
Power	AC100 ~ 240V, 50/60Hz, Single-phase	
Power consumption	Max.530W (Flat type conveyor) Max.520W (V type conveyor)	Max.530W (Flat type conveyor) Max.520W (V type conveyor)

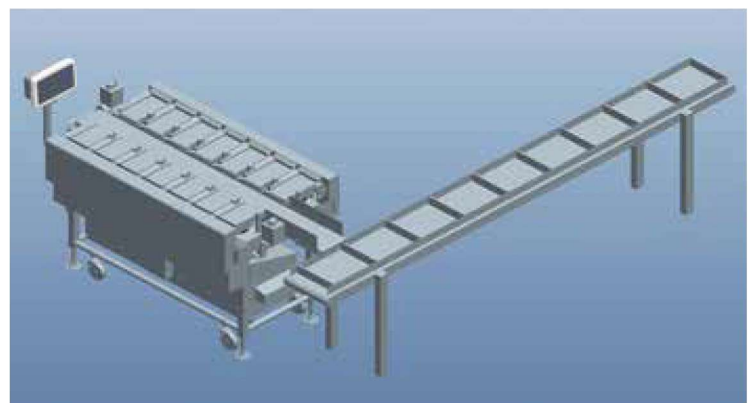


## Layout

### TSD-N3 + Packaging machine

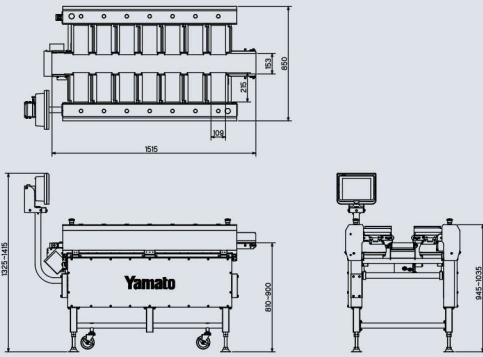


### TSD-N3 + conveyor system

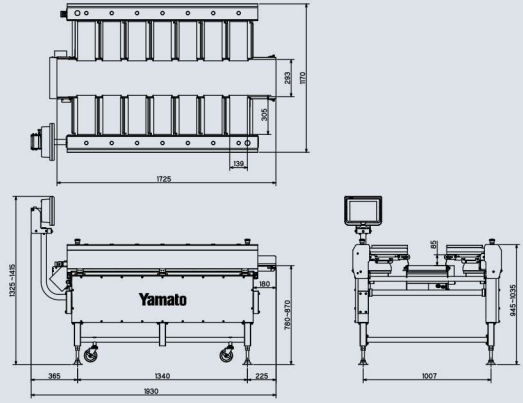


**Outside Dimension**

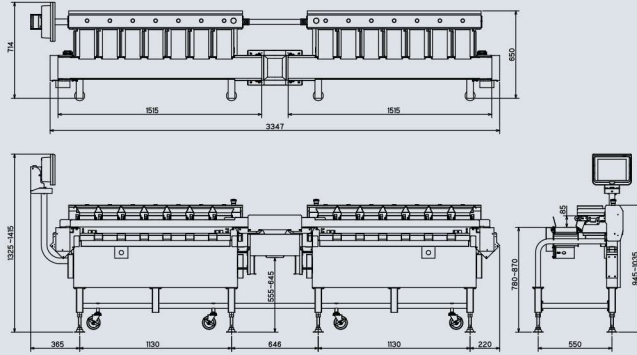
**FLAT S TYPE**



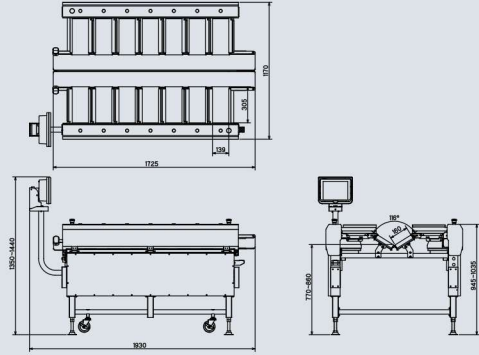
**FLAT L TYPE**



**SINGLE LINE TYPE (Coming soon)**



**V TYPE (Coming soon)**



- Above specifications and designs are subject to change without notice.
- Ensure all level adjusters are firmly on the ground when operating the machine.