

# TDW-204W

## Applications

Perfect for any packaging application where a small give-away cost money. The TDW is designed to decrease give-away and increase production.

## Features

- ◆ Combination By Weight
- ◆ Priority Combination
- ◆ Optimum Combination
- ◆ 2-Operator Weighing
- ◆ Sorting
- ◆ One-Touch Tare
- ◆ 13 Product Memory
  - Store and recall upper and lower limits
- ◆ Independent Scale Suspension
- ◆ Batching
- ◆ Scale Diagnostic Check

<b>Model</b>	TDW-204WS (small) or TDW-204WL (large)
<b>Capacity and Minimum Division</b>	<b>Main Scale (10 units):</b> 3 kg x 0.001 kg or 6 lb x 0.002 lb
	<b>Satellite Scale (2 units):</b> 3 kg x 0.001 kg, 6 kg x 0.002 kg, or 15 kg x 0.005 kg 6 lb x 0.002 lb, 15 lb x 0.005 lb, or 30 lb x 0.01 lb
<b>Weighing System</b>	Single Point Strain Gauge Load Cell (hermetically sealed with housing)
<b>Displays</b>	Console: Fluorescent Tube Combination Lamps: LED Display
<b>Maximum Taring</b>	Scale Capacity Power Supply:
<b>Power Requirement</b>	100/115/200/220/230/240 VAC +/-10% 50-60 Hz Power Consumption: 15 VA
<b>Operating Temp.</b>	32 °F - 104 °F (0 °C - 40 °C)
<b>Shipping Weight</b>	S: 215 lb (97 kg), L: 275 lb (125 kg)

All weights and dimensions are approximate.

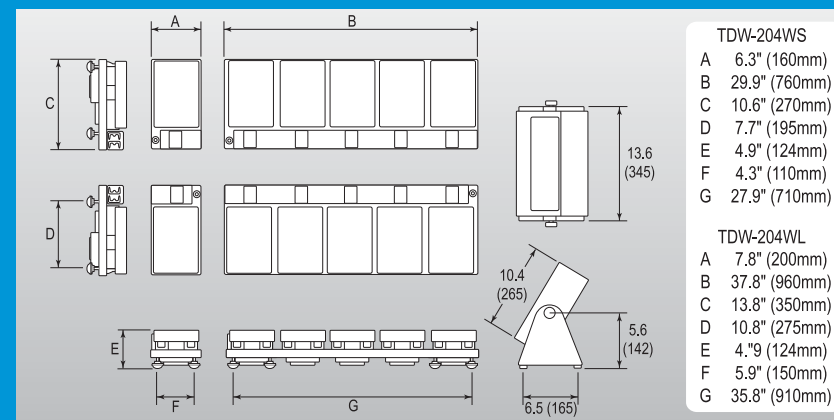
## How the TDW will make us money!

Product:	Salmon Fillets (3 piece pack)	Product:	Lobster Tails (10 lb box)
Unit Price:	\$2.98/pack	Unit Price:	\$130.00/box
Target Weight:	1.500 lb	Target Weight:	10 lb
Current Give-away:	0.060 lb	Current Give-away:	0.125 lb
New TDW Give-away:	0.020 lb	New TDW Give-away:	0.035 lb
Savings per Pack:	0.040 lb	Savings per Pack:	0.090 lb
Production:	3600 packs/day (6 hour work day)	Production:	2160 boxes/day (6 hour work day)
Savings per Day:	3600 packs x 0.040 lb = 144 lb	Savings per Day:	2160 packs x 0.090 lb = 194.4 lb
Extra Packs per Day:	144 lb / 1.5 lb = 96 packs	Extra Packs per Day:	194.4 lb / 10 lb = 19 boxes
Extra Income per Day:	96 packs x \$2.98 = <b>\$286.08</b>	Extra Income per Day:	19 boxes x \$130 = <b>\$2470.00</b>

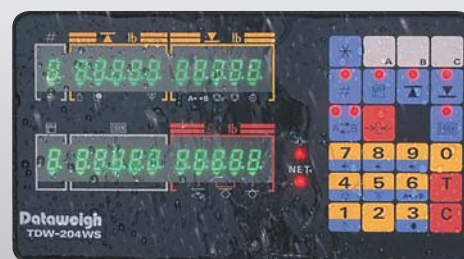
TDW pays for itself in 63 days!

TDW pays for itself in 8 days!

## Dimensions



## Display / Keypad



Display pictured is wet.

# Combination Scale

For Packing

## Increase your profit by decreasing your give-away.



Model:  
**TDW-204W**

**Yamato**

**YAMATO CORPORATION**  
P.O. Box 15070  
Colorado Springs, CO 80935-5070  
U.S.A.  
Tel (719) 591-1500  
Fax (719) 591-1045

**YAMATO TECH CORPORATION**  
#112-19425 Langley By-Pass  
Surrey, B.C. V3S 6K1  
Canada  
Tel (604) 533-2338  
Fax (604) 533-0827

YCO-1012-03-99 Printed in U.S.A.

by **Yamato**

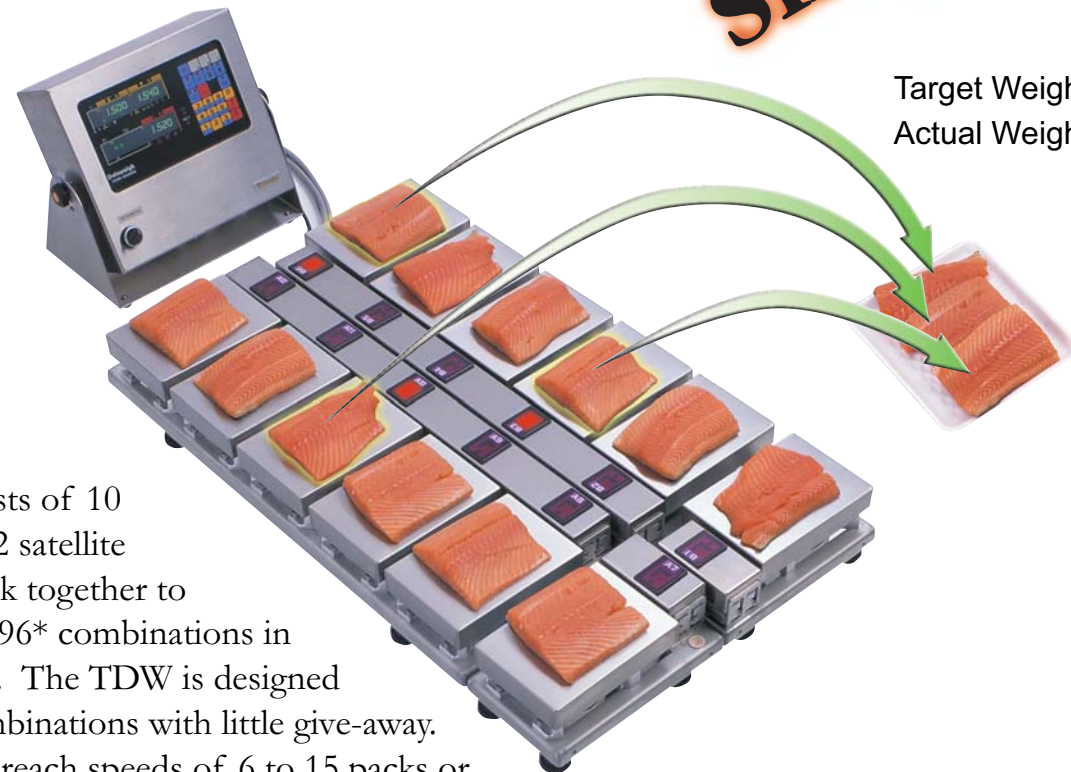
Simply enter the pack weight and give-away, then load the scale. The TDW automatically finds the product combination closest to your pack weight and indicates the result with lights. Once the lit products are removed, the TDW calculates the next combination.

Simply enter the box weight and give-away, then load the main scales with individual products and the two satellite scales with prefilled boxes. The TDW will light one prefilled box and several products to make an optimum combination closest to your box weight.

On Target . . .

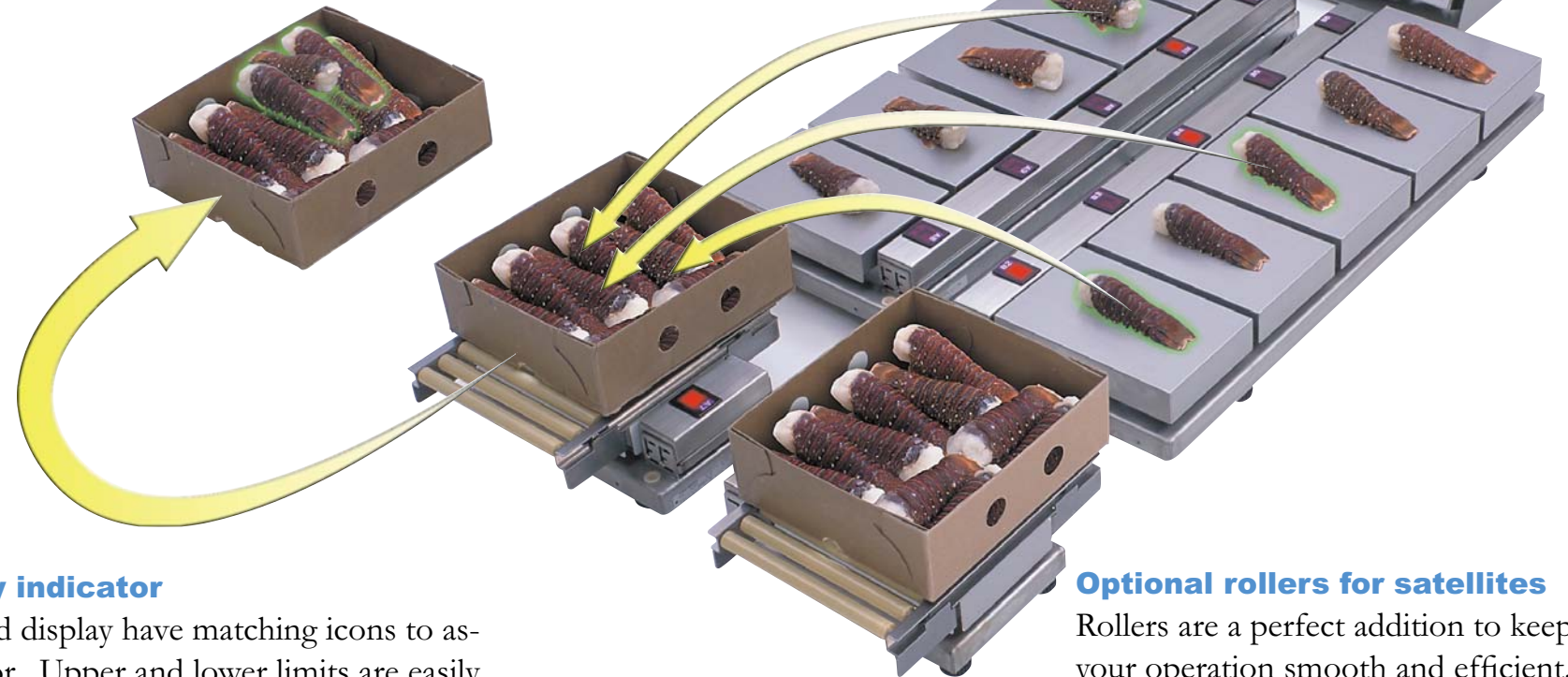
**Simply Follow the Lights**

. . . Every Time!



Target Weight: 1.500 lb  
Actual Weight: 1.520 lb

Target Weight: 10.000 lb  
Actual Weight: 10.035 lb



### Introduction

The TDW consists of 10 main scales and 2 satellite scales which work together to provide up to 4096\* combinations in only 0.1 seconds. The TDW is designed to make fast combinations with little give-away. It is common to reach speeds of 6 to 15 packs or boxes per minutes.

\*Using all 12 scales

### Rugged, washdown construction

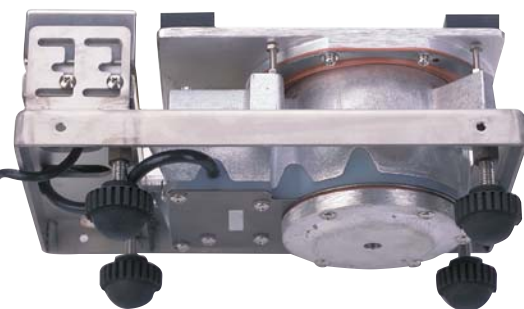
The TDW is constructed from high quality stainless steel. The entire scale is washdown and thrives in the harshest environments. Hermetically sealed housings protect the weighing devices from damaging air and moisture.

### User friendly indicator

The keypad and display have matching icons to assist the operator. Upper and lower limits are easily programmed and recalled with the touch of a button. Up to 13 different products can be stored.

### Optional rollers for satellites

Rollers are a perfect addition to keep your operation smooth and efficient.



Hermetically sealed load cell

**Water Rating:  
NEMA 4, IP 65**



### For grading prior to packaging . . .

use Yamato's Audible Grading Scale. Its revolutionary grading method, Subtraction Grading, will enable you to sort 3 times faster than conventional grading.

Just take the item off the scale and listen.

