

# SmartWeight® Elite

High capacity balancer with class-leading features

**NEW**

**AUTOMATIC DIMENSION ENTRY!**



**HunterNet®**  
Connectivity

# SmartWeight® Elite at a glance

EXCLUSIVE

Speed! .....



- ✓ Balance wheels faster with automatic dimension entry

PATENTED

Vision System .....



- ✓ Eliminate error opportunities
- ✓ Evaluate rim condition
- ✓ More information in less time

NEW EXCLUSIVE

HunterNet®



Run Size	Balance Type
6/4/2021 5:49:22 PJJ	Balance Only
6/4/2021 5:49:53 PJJ	balanced
	Balance Only

- ✓ View balancer usage
- ✓ Track weight usage



Shown with options



**NEW** PATENTED

### Automatic Centering Check®



- ✓ Ensure proper centering
- ✓ Reduce comebacks

PATENTED

### Enhanced SmartWeight®



- ✓ Even better balance
- ✓ Maximum efficiency
- ✓ More single weight solutions

STANDARD

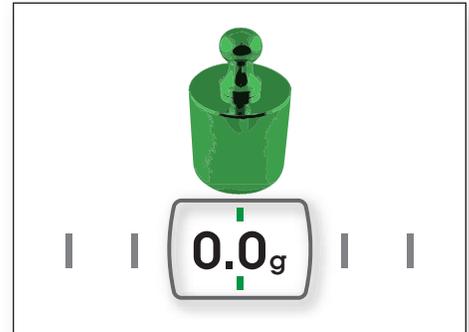
### Touchscreen Interface



- ✓ Intuitive interface
- ✓ Reduces training

PATENTED

### eCal Auto-Calibration



- ✓ True “self-calibration”
- ✓ No operator input required
- ✓ Ensures accurate balance

EXCLUSIVE

### On-Demand Videos



- ✓ Simplify training
- ✓ Improve results

EXCLUSIVE

### Superior alloy shaft



- ✓ Most durable in industry
- ✓ Ensures accurate balancing for years to come



# SmartWeight® Elite vision technology unlocks more



Hunter SmartWeight® Elite

VS.

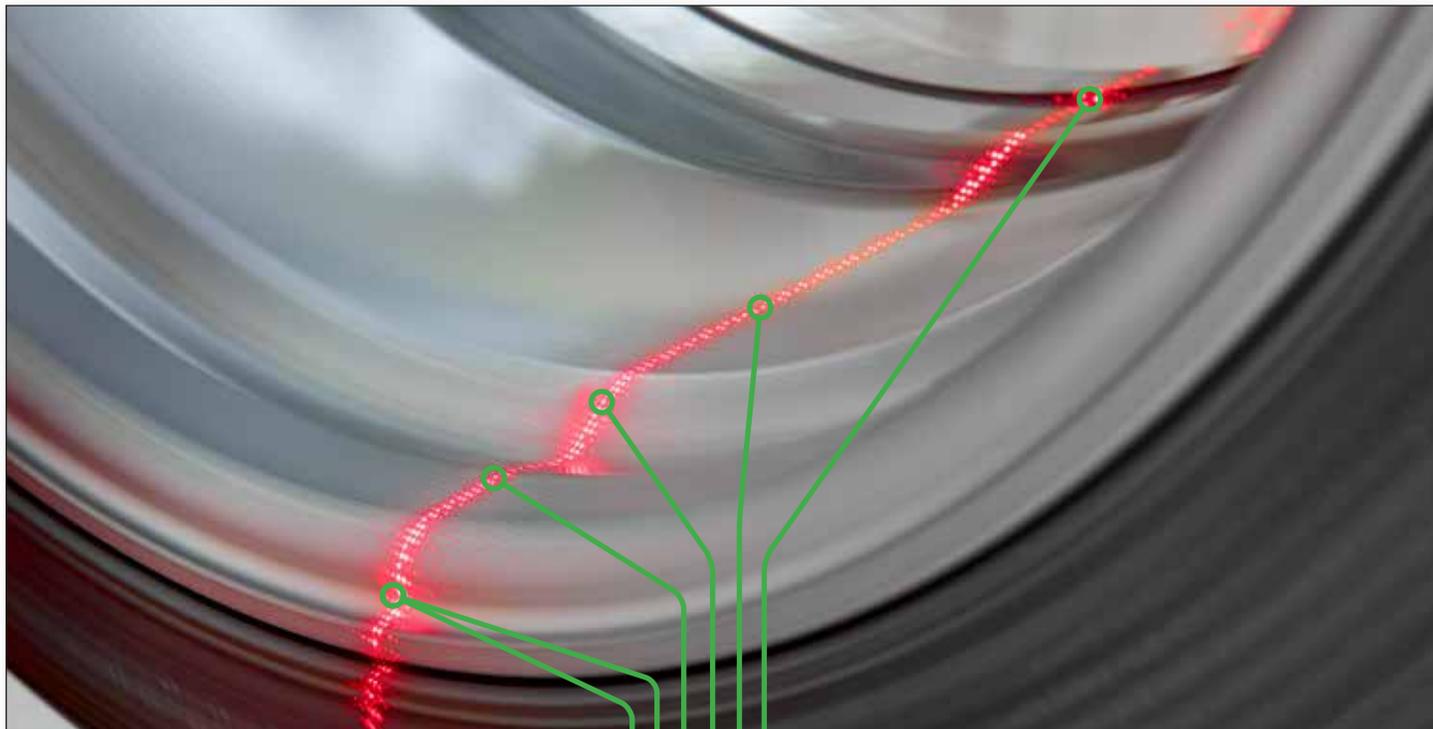


Standard Balancer

-  Wheel dimensions  
**AUTOMATIC**
-  Weight mode  
**AUTOMATIC**
-  Spoke location  
**AUTOMATIC**
-  Rim profile  
**AUTOMATIC**
-  SmartWeight® optimized  
**AUTOMATIC**
-  Rim runout  
**AUTOMATIC**
-  Error-proof  
**AUTOMATIC**
-  **Guided balance**

-  Wheel dimensions  
**MANUAL**
-  Weight mode  
**MANUAL**
-  Spoke location  
**MANUAL**
- Rim profile
- SmartWeight®-optimized
- Rim runout
- Error-proof
-  **Unguided balance**

# benefits in less time!



## Wheel dimensions

**AUTOMATIC**

Automatically determines weight plane locations



## Weight mode

**AUTOMATIC**

Selects clip or tape weight usage



## Rim runout

**AUTOMATIC**

Diagnose bent rims



## Spoke location

**AUTOMATIC**

Automatically hides tape weights behind spokes



## SmartWeight® optimized

**AUTOMATIC**

Allows more single weight solutions



## Rim profiled

**AUTOMATIC**

Creates three-dimensional model of the rim



## Reduce operator error

- ✓ Automatically measures wheel dimensions
- ✓ Automatically checks wheel centering
- ✓ Automatically selects weight mode

# Automatic Centering Check<sup>®</sup> reduces setup errors

Miscentering during wheel balancing procedures is the **number one cause of improper balancing and customer comebacks**. Automatic Centering Check<sup>®</sup> always monitors wheel centering to reduce setup errors.

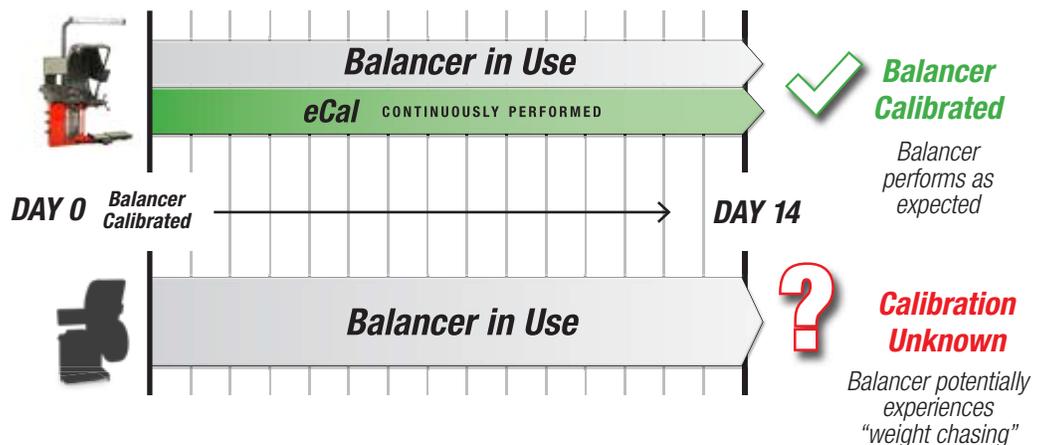
- ✓ Automatically monitors centering
- ✓ Notifies technician of setup errors
- ✓ Reduces customer comebacks



## eCal Automatic Calibration

eCal automatically monitors and adjusts balancer calibration **without** operator intervention.

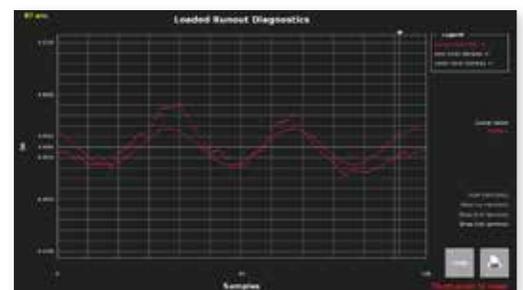
- ✓ Guarantees highest balancing accuracy
- ✓ No operator intervention required
- ✓ Ensures happy customers



# Rim Condition Measurement

SmartWeight® Elite measures rim runout with every spin.

- ✓ Finds bent and damaged rims
- ✓ Show customers rim conditions



# TruWeight® Weight Selection

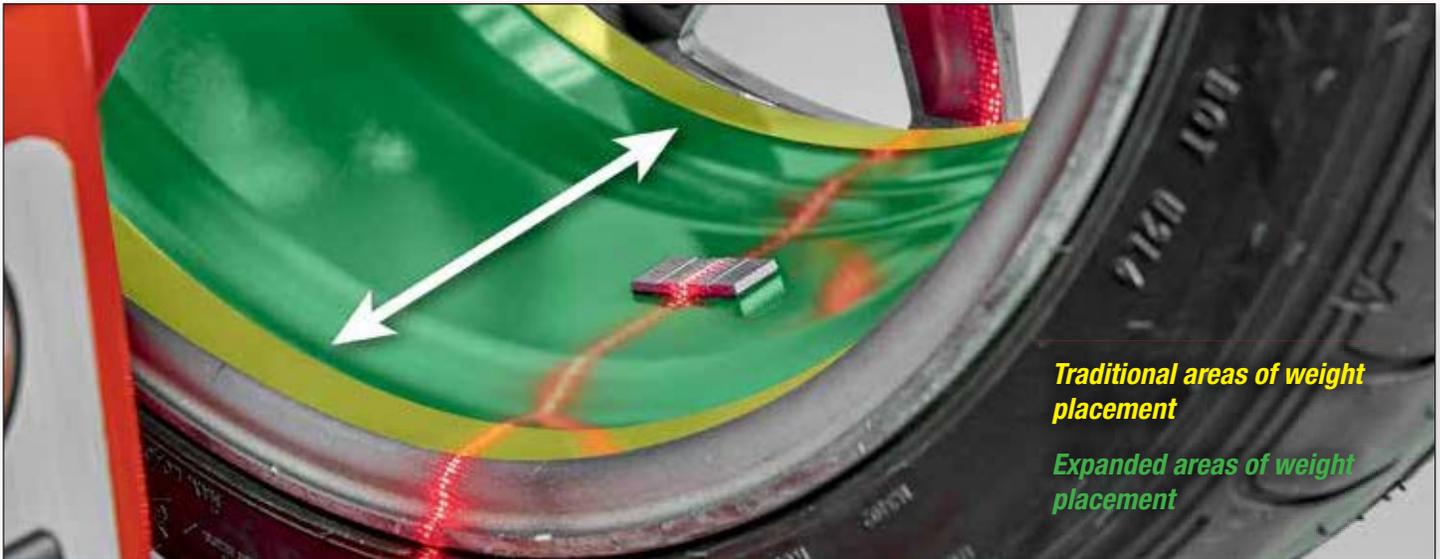
The rim is scanned and 3D modeled with every spin.

- ✓ Shows weights on 3D model of actual rim
- ✓ Helps techs place weights correctly
- ✓ Ensures the job is done right



# Enhanced SmartWeight®

Additional weight locations save time and money



Road Force® Elite vision system increases balancer accuracy and single weight solutions.

**4**

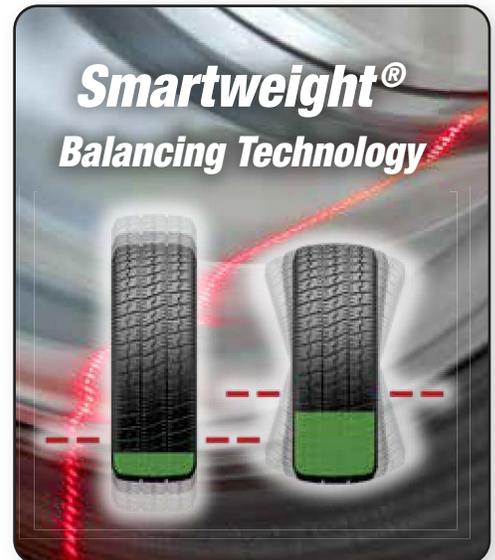
Modern vehicles are **4x** more sensitive to static vibration forces than couple or dynamic forces

**66**

Avoid an average of **66 comebacks** per year by using SmartWeight®

**202.1**

An average shop saves **202.1 kg** per year with SmartWeight®



**Watch your savings grow!**



See weight and labor savings based on your shop's numbers

EXCLUSIVE

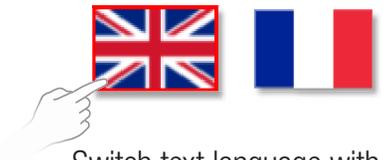
# Intuitive touchscreen simplifies experience



Touching weight value servos wheel to weight location

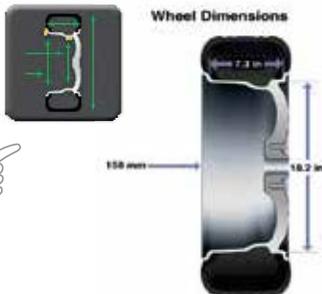


Rim cutaway displays selected weight mode

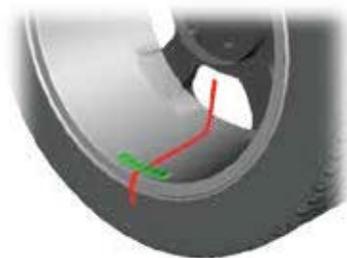


Switch text language with the push of a button

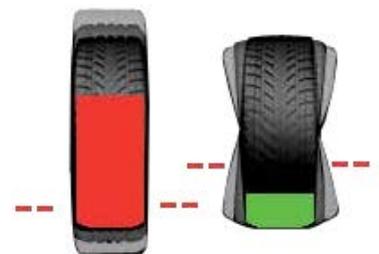
## Balancing interface at a glance



One touch to display rim dimensions



TruWeight® provides live navigation through selection and placement of wheel weights



SmartWeight® panel displays wheel balance condition

# Concise information for your business!



- ✓ Balancing Push Reports
- ✓ Allows you to view balancer usage online
- ✓ Track wheel weight usage and savings



# Popular equipment upgrades

## Wheel lift

- ✓ Safely service heavy, oversized wheels
- ✓ Aids wheel centering
- ✓ Help retain technicians



## SpeedClamp®

- ✓ Clamp wheels automatically
- ✓ Save time and effort
- ✓ Improves clamping consistency



# Popular equipment upgrades

## Premium BullsEye® Collets

- ✓ Provide comprehensive coverage for passenger-car and light-truck wheels
- ✓ Includes 1-ton capacity
- ✓ Provides improved centering and wheel protection



## PATENTED HammerHead® top-dead-center laser

- ✓ Greater weight placement accuracy to avoid mistakes
- ✓ More single-spin balances improve productivity
- ✓ Overhead fluorescent light illuminates work area



**Incorrect**



**Correct**

## Printer shelf kit\*

- ✓ Print balance results
- ✓ Win more approvals with clear and informative printouts



\* Printer obtained locally



# Specifications



SWE00E shown with optional equipment

<b>Power requirements</b>	196-253V, 10 amp, 50/60 Hz, 1 ph (Power cable includes: NEMA 20 amp plug, L6-20P)
<b>Air supply requirements</b>	100-175 psi (7-12 bar)**
<b>Capacity</b>	
<b>Rim width</b>	1.5 in to 20.5 in (38 mm to 521 mm)*
<b>Rim diameter</b>	10 in to 30 in (254 mm to 762 mm)*
<b>ALU</b>	14 in to 40 in (356 mm to 1016 mm)*
<b>Max. tire diameter</b>	44 in (1118 mm)
<b>Max. tire width</b>	20 in (508 mm)
<b>Max. tire weight</b>	175 lbs (79 kg)
<b>Radial runout accuracy</b>	0.002 in (0.051 mm)
<b>Imbalance resolution</b>	± 0.01 oz (0.28 g)
<b>Placement accuracy</b>	512 positions, ± 0.35°
<b>Balancing speed</b>	300 rpm
<b>Motor</b>	Programmable drive system and DC motor

\* Extreme wheel sizes may require manual data entry.

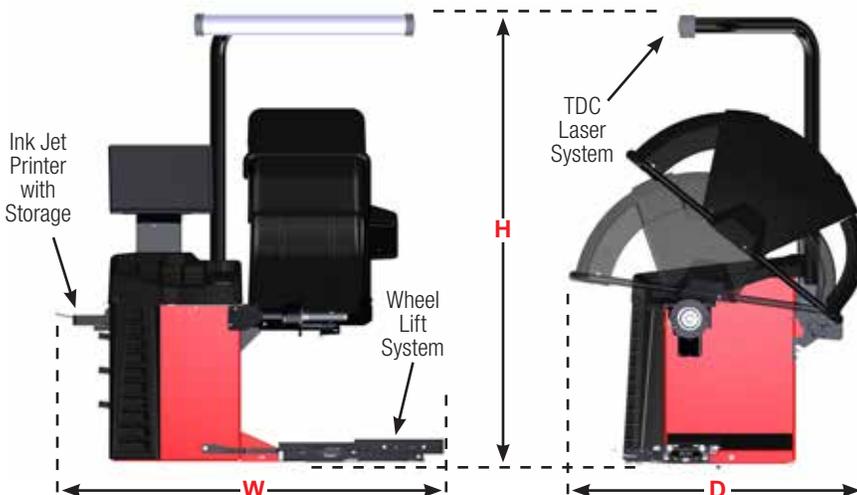
\*\* Only for wheel lift and SpeedClamp® models.

# Models

	SWE20E	SWE00E
<b>SpeedClamp® System</b>	✓	
<b>Width (W)</b>	57 in 1448 mm	57 in 1448 mm
<b>Height (H)</b>	71 in 1804 mm	71 in 1804 mm
<b>Depth (D)</b>	63.5 in 1613 mm	63.5 in 1613 mm
<b>Weight</b>	371 lb 169 kg	371 lb 169 kg

## Optional equipment

- 20-3062-1** Basic collet kit
- 20-3765-1** HammerHead® top-dead-center laser
- 20-3101-1** Wheel lift
- 20-3159-1** BullsEye Collet Carrier
- 20-2711-1** Ten Piece BullsEye Collet kit
- 76-574-2** Ergonomic QuickNut
- 20-1839-1** Flange plate



Because of continuing technological advancements, specifications, models and options are subject to change without notice.

**HUNTER**  
Engineering Company

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