





HD ELITE[™] Industry-leading heavy-duty diagnostic wheel balancer



Provide a smooth ride for big wheels



Solve vibration problems



Error-proof CenteringCheck® Automatic wheel

measurements



SmartWeight[®] savings technology



HD Elite[™] at-a-glance BIG WHEELS. NO PROBLEM.



EXCLUSIVE

Unmatched speed

 Measure runout and balance faster than any traditional balancer!



STANDARD Touchscreen Interface

- Intuitive interface
- ✓ Quickly train new technicians



PATENTED

Laser Vision system

- ✓ Eliminate error opportunities
- ✓ More information in less time



OPTIONAL | PATENTED

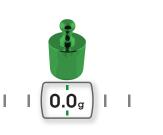
Diagnostic load roller

- Roller detects high spot of tire and allows matching
- Measures entire contact patch for accurate results



STANDARD Wheel Lift

- Easily lifts wheel assemblies up to 500 lbs
- ✓ Aids proper mounting



PATENTED eCal Auto-Calibration

- ✓ True "self-calibration"
- \checkmark No operator input required



Balance Any Size Wheel

- Services cars and light trucks
- ✓ Uses standard adaptors



PATENTED Automatic CenteringCheck®

- Ensures proper centering
- Eliminates setup errors



STANDARD SmartSpot

✓ Reduce technician errors

- ✓ Reduce wheel weight waste
- ✓ Better balance



ForceMatching® ELIMINATE WHEEL-RELATED VIBRATION AND INCREASE TIRE LIFE



2 Specialized Sensors Measure the Assembly



The HD Elite balancer automatically measures runout (eccentricity) of a tire and wheel assembly.



The roller measures the <u>entire</u> contact patch of the tire, detecting if the assembly is out of round.

3 Match-Mounting Cancels the Vibration



Match-mounting the high spot on a tire to the low spot on a rim makes the assembly roll as smoothly as possible.



Runout-related vibration is minimized, ensuring your customer a smoother ride and longer tire life.

ForceMatching® MATCH DUAL ASSEMBLIES FOR LONGER TIRE LIFE.

Opposing High Spots

Dual tire assemblies with aligned high spots behave like single assemblies with runout. Marking and installing wheels with high spots 180 degrees opposed makes the dual assembly more round than the two assemblies alone.

- ✓ Reduces Vibration
- ✓ Increases Tire Life

Unequal Load on Duals

Mismatched diameters on dual tires causes the larger tire to carry more load, thus generating more heat and reducing tire life. The lesser diameter tire may develop premature tire wear due to slippage relative to the road surface.

✓ Increases Tire Life

SMARTWEIGHT® REDUCES LABOR COSTS AND SERVICE TIME

- Provides better balance
- Maximizes productivity
- Minimizes weight usage
- Reduces labor costs

Saves Labor Time

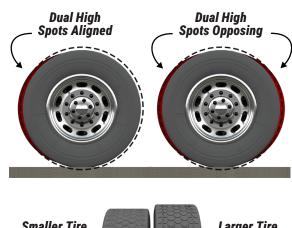
SmartWeight[®] reduces "floor-to-floor" cycle time on more than 30% of wheels balanced by optimized use of a single weight to achieve the best possible balance.





Typical Correction ✓ Double Weight





Smaller Tire Carries Less Load



Larger Tire Carries More Load

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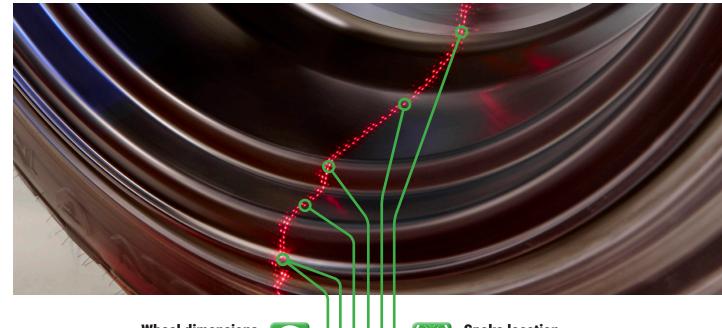


Watch your investment grow



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

Patented vision technology **MORE FEATURES. LESS ERRORS.** NO HASSLE.



Wheel dimensions **AUTOMATIC**

Automatically determines weight plane locations



Selects clip or tape weight usage, if desired

> Rim runout AUTOMATIC

Calculates force-match solution





Spoke location AUTOMATIC

Automatically hides tape weights behind spokes

SmartWeight[®] optimized



AUTOMATIC Allows more single weight solutions

Rim profiled



Creates three-dimensional model of the rim

Reduce operator error

- ✓ Automatically measures wheel dimensions
- ✓ Automatically selects weight mode
- Automatically measures rim runout

Configuration **BUILT FOR YOUR SHOP'S NEEDS.**

HDE-	33	32	31	30	13	12	11	10
Diagnostic Load Roller	~	~	~	~				
TDC Laser	~	~		~	~	~		
Ink Jet Print w/Storage	~		~		~		~	
Width (W)	75.75 in 1924 mm	71 in 1803 mm						
Height (<mark>H</mark>)	88 in 2223 mm	88 in 2223 mm	80.5 in 2046 mm	80.5 in 2046 mm	88 in 2223 mm	88 in 2223 mm	80.5 in 2046 mm	80.5 in 2046 mm
Depth (<mark>D</mark>)	73.5 in 1867 mm	73.5 in 1867 mm						
Weight	824 lb 374 kg	804 lb 365 kg	801 lb 363 kg	781 lb 354 kg	785 lb 356 kg	765 lb 347 kg	762 lb 346 kg	742 lb 337 kg

POPULAR EQUIPMENT ACCESSORIES



PATENTED

- ✓ Greater weight placement accuracy to avoid mistakes
- ✓ Overhead LED light illuminates work area



Color Printer*

- ✓ Help sell premium service
- Explain results to customer





Configurations Without Diagnostic Load Roller

- Maintains all superior balancing features
- > Eliminates diagnostic roller benefits
- > Reduces overall package price

HammerHead® Top-Dead-Center Laser

✓ More single-spin balances improve productivity and shop profitability





STANDARD

Convenient **Storage Options**

Adaptor tree conveniently stores oversized balancer accessories.

Available as a field-installed option.

HD ELITE SPECIFICATIONS*



Power Requirements	196-253V, 10 amp, 50/60 Hz, 1 ph NEMA L6-20P plug included
Air Supply Requirements	100-175 psi (7-12 bar)
Capacity	
Rim Width	1.5 in to 19.5 in (38 mm to 495 mm)
Rim Diameter	10 in to 30 in (254 mm to 762 mm)*
ALU	7.5 in to 38 in (191 mm to 965 mm)*
Max. tire diameter	52 in (1321 mm)
Max. tire width	19.5 in (495 mm)
Max. tire weight	500 lbs (227 kg)
Min. tire diameter for roller application	26 in (660 mm)
Imbalance resolution	± 0.05 oz (1.0 g)
Placement accuracy	512 positions, ± 0.35°
Balancing speed	100 rpm
Motor	Programmable drive system and DC motor

* Extreme wheel sizes may require manual data entry.

LASER RADIATION - DO NOT STARE INTO THE BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. Viewing the laser output with magnifiers or related optical instruments within a distance of 100 mm from the laser aperture may pose an eye hazard.



The HD Elite Wheel Balancer is a Class 1 laser product.



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- 宿 Get a free quote or on-site demo
- ᢙ Register for ASE-accredited training courses
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