

Otsego County Bus System

1254 Energy Dr.
Gaylord, MI 49735
(989)731-1204

September 11, 2018

Addressed to Vendor

Re: Solicitation for Quotation

Dear Vendor;

Please see the attached, Solicitation for Quotation, for your review. Enclosed you will find the solicitation, specifications, federal clauses that apply to all purchases funded under federal grant dollars, and the compliance form required to be sign by the selected vendor.

Please review documents and submit your quote by the date stated. Questions or inquiries must be submitted via email to tcherwinski@otsegocountymi.gov.

Thank you for your interest.

Tim Cherwinski
Otsego County Bus System Manager

Enclosures

Solicitation & Specifications
Federal Clauses
Compliance Form

SOLICITATION FOR QUOTATIONS

Otsego County Bus System (OCBS) is soliciting quotations for a tire balancer with associated hardware. Quotations must be sent to the attention of Tim Cherwinski, OCBS Manager, and are due on or before **12 p.m. Friday, September 28th, 2018:**

- By mail: 1254 Energy Dr. Gaylord, MI. 49735
- By fax: (989)731-9924
- By email: tcherwinski@otsegocountymi.gov

Complete Specifications are attached. (Wherever brand, manufacturer, or product names are used, they are included only for the purpose of establishing a description of minimum quality of the item or product and are intended to be the minimum requirements allowed.)

Summary of specifications are as follows:

- One (1) Wheel Balancer
 - Max Tire Diameter: 52"
 - Rim Diameter: 10" to 30"
 - Rim Width: 1.5" to 19.5"
 - Integrated power wheel lift 500 lb. capacity
 - TDC and BDC Laser for accurate weight placement
 - Max Wheel Weight: 500 lbs.
 - 100 RPM balancing speed
 - Tire Runout Measurement for match mounting.
 - Heavy Duty adapter kit covers 8-10 lug HD trucks and bus assemblies

Quotations must be for the total cost of the entire purchase. Quotations must be valid for a minimum of 30 days. Delivery of all of the items must occur within 30 days after the order to proceed is given by OCBS.

The purchase will be awarded to the lowest cost responsive and responsible bidder.

Payment will be made by OC BS within 30 days of receipt of all items and an invoice for same.

METHOD OF PROCUREMENT DECISION MATRIX
(To be used for all procurements except micropurchases)

As required by Federal Transit Administration Circular FTA C 4220.1F Third Party Contracting Guidance, Rev. 4, March 18, 2013, and all subsequent editions, as available on FTA's website, www.fta.dot.gov

AGENCY Otsego County Bus System	
ITEMS BEING PROCURED Tire Balancer w/ assoc. equipment	PROJECT AUTHORIZATION 2017-0113/P3 (MI-2016-037-01)

SMALL PURCHASE (Lowest Quote)

Amount < \$150,000 (threshold for grants awarded before 12/26/14 remains \$100,000)	<input type="checkbox"/>
Multiple sources	<input type="checkbox"/>
Price is the only determining factor in award	<input checked="" type="checkbox"/>

SEALED BID (IFB)

Any dollar amount	<input type="checkbox"/>
Multiple sources	<input type="checkbox"/>
Complete and adequate specifications or description	<input type="checkbox"/>
Selection can be made on basis of price alone	<input type="checkbox"/>
Suitable for firm, fixed price	<input type="checkbox"/>
No discussion with bidders needed after receipt of offers	<input type="checkbox"/>

COMPETITIVE PROPOSALS (RFP)

Any dollar amount	<input type="checkbox"/>
Multiple sources	<input type="checkbox"/>
Selection based on price and other criteria	<input type="checkbox"/>
Discussion needed with bidders after receipt of offers	<input type="checkbox"/>
Fixed price can be set after discussion	<input type="checkbox"/>

ARCHITECTURAL AND ENGINEERING (QUALIFICATION BASED)

Multiple sources	<input type="checkbox"/>
A & E services that lead to construction	<input type="checkbox"/>

SOLE SOURCE

Custom item	<input type="checkbox"/>
Only one source	<input type="checkbox"/>
Public urgency/emergency	<input type="checkbox"/>
Competition is inadequate after public solicitation	<input type="checkbox"/>
MDOT approval	<input type="checkbox"/>

MiDEAL/PIGGYBACK PURCHASE

<input type="checkbox"/>

SIGNATURE 	DATE 01/09/18
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Specifications



FM03 shown

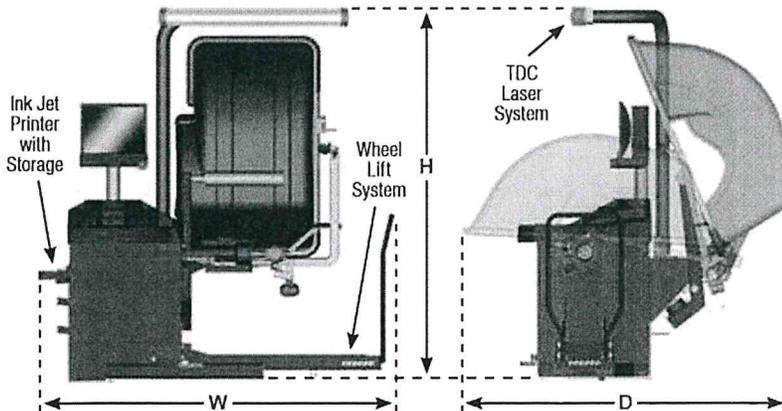
Power requirements	196-253V, 10 amp, 50/60 Hz, 1 ph (Power cable includes: NEMA 20 amp plug, L6-20P)
Air supply requirements	100-175 psi (7-12 bar)
Capacity	
Rim width	1.5 in to 19.5 in (38 mm to 495 mm)
Rim diameter	10 in to 30 in (254 mm to 762 mm)*
ALU	7.5 in to 38 in (191 mm to 965 mm)*
Auto Inside Dataset* range	10 in to 30 in (254 mm to 762 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
Shipping weight	832 lbs (377 kg)

* Extreme wheel sizes may require manual data entry.

Models



	FM03	FM02	FM01	FM00
Wheel Lift System	✓	✓	✓	✓
TDC Laser System	✓	✓		
Ink Jet Print w/Storage	✓		✓	
Width (W)	77 in 1956 mm	69 in 1753 mm	77 in 1956 mm	69 in 1753 mm
Height (H)	86.5 in 2197 mm	86.5 in 2197 mm	81 in 2057 mm	81 in 2057 mm
Depth (D)	73 in 1854 mm	73 in 1854 mm	73 in 1854 mm	73 in 1854 mm



Be sure to check out other Hunter literature for more quality products from Hunter Engineering.

HUNTER
Engineering Company

www.hunter.com

Submitted to:

Mr. Jeff Andrews
jandrews@otsegocountymi.com
Otsego County Bus System
1254 Energy Dr
Gaylord, MI 48735
989-731-4875

Quoted through:

MOHAWK RESOURCES LTD



FM02 (Mfr. sug. price: \$15,165.00)

13,472.98

ForceMatch Vibration System

- For Heavy Duty applications up to 500lbs and 52" diameter
- Fits passenger car and light truck applications
- TPMS Spec Database (Sensor Type & Reset Procedures)
- SmartWeight™ Better Balance & Saves Excess Weight
- Integrated Power Wheel Lift – 500lb capacity
- Hammerhead TDC and BDC Laser for accurate weight placement
- ForceMatch Tire Runout Measurement for match mounting
- Wheel Runout Measurement
- Auto Double Dataset Arms
- Factory Installation and Training
- Made in USA



20-3155-1 (Mfr. sug. price: \$4,740.00)

4,211.14

20-3155-1 provides comprehensive coverage without duplication:

- BullsEye® collet set provides comprehensive coverage for passenger car and light truck wheels
- Medium-duty centering kit handles wheels from F-250s up to 19.5" assemblies
- Heavy-duty adaptor kit covers 8-10 lug HD trucks and bus assemblies
- Factory Installation & Training
- Made in USA



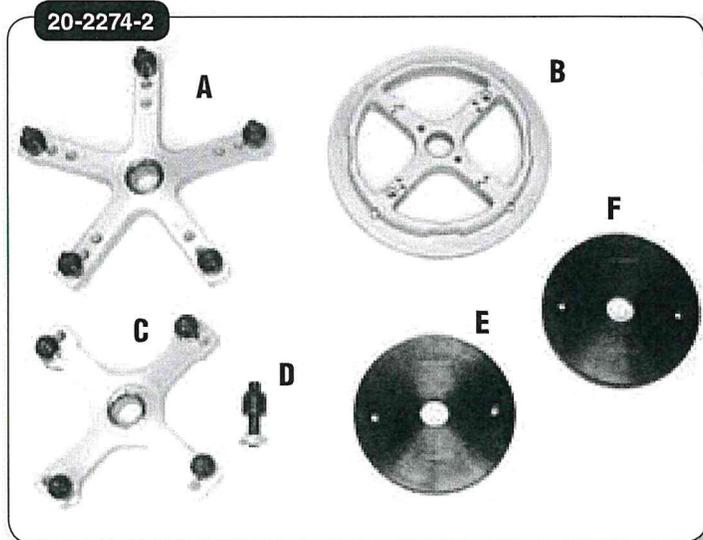
20-2274-2 – Truck / bus adaptor kit

Kit includes:

- A. 175-396-2** Adaptor - 5 arm clamp star
- 175-394-2** Pin HD steel (5)
- 76-463-2** Nut - knurled HD M16 (5)
- B. 175-393-2** Adaptor - wheel support HD (also supports 281 mm bore size)
- C. 175-397-2** Adaptor - 4 arm clamp star MD
- D. 175-420-2** Pin HD steel (5)
- E. 192-182-2** Cone - HD 219.9 mm
- F. 192-181-2** Cone - HD 220.8 mm

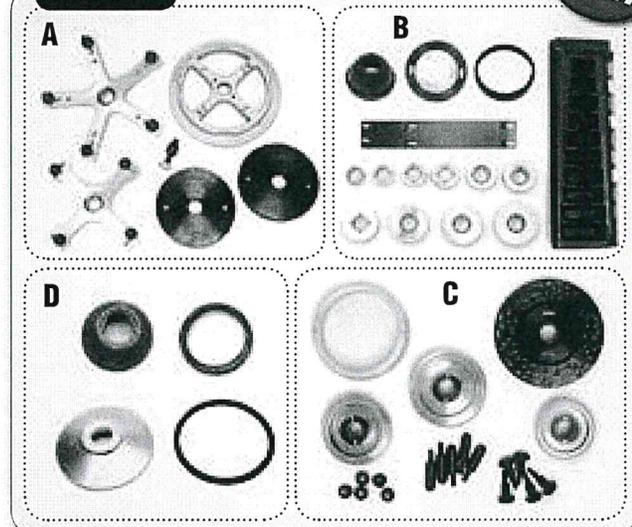
Not shown:

- 74-418-2** SHCS - 3/8 - 16 X 2.00 BO (2)



20-3155-1

NEW!



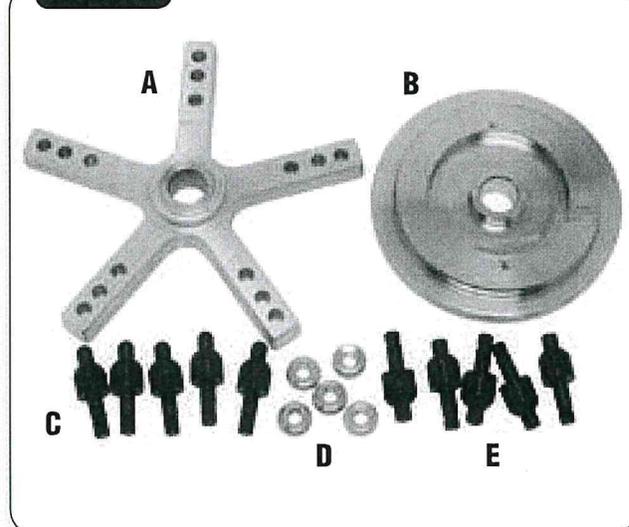
20-3155-1 Heavy-duty "super set" kit

This new kit provides ultimate balancer centering for the smallest passenger cars up to the largest HD trucks; coverage from KIA to Kenworth.

Kit includes:

- A.** Heavy-duty truck & bus adaptor
- B.** BullsEye® light-duty kit
 - BullsEye® dual-taper collet set
 - 6" cup, sleeve and spacer
 - BullsEye® collet storage
- C.** Medium-duty centering kit
- D.** 4" and 9" cups and sleeves

20-2761-2



20-2761-2 Heavy-duty "economy" kit*

The "economy kit" is now available for HD balancing applications. This kit is a lower cost alternative for those customers only balancing 22.5 in. and 24.5 in. tractor trailer wheels. The disc used in this kit is double-sided and handles both bore sizes seen on these wheels without needing the expensive offset spacer (wagon wheel).

Kit includes:

- A. 175-396-2** Adaptor - 5 arm clamp star
- B. 192-242-2** Centering ring, 200 mm
- C. 175-420-2** Pin HD steel (5)
- D. 76-463-2** Nut - knurled HD M16 (5)
- E. 175-394-2** Pin HD steel (5)

* This kit cannot handle the 11.45 in. bore size found on some bus wheels and motor coaches.

This Proposal was Prepared for

Legal Name of Business

Otsego County Bus System

Billing Address

1254 Energy Dr

City, State Zip

Gaylord, MI 48735

Main Contact

Mr. Jeff Andrews

jandrews@otsegocountymi.com

Main Phone Number

989-731-4875

X

Approval

Items on this Proposal

1 FM02
1 20-3155-1

Your Local Hunter Team



William Backos
Manufacturer's Representative
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Mathews, Darren
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Russell, Jeff
Regional Manager
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Tim Gralewski
MOHAWK RESOURCES LTD
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PO Box 110
Amsterdam, NY 12010
800-833-2006
timg@mohawkklifts.com

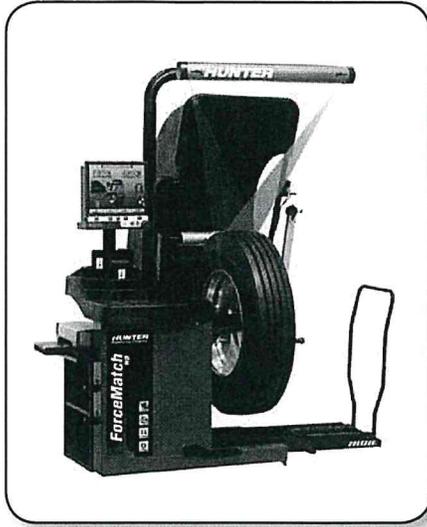
Total investment (Cash / Check)

\$17,684.12

ForceMatch® HD Wheel Balancer

HUNTER
Engineering Company

SPECIFICATIONS



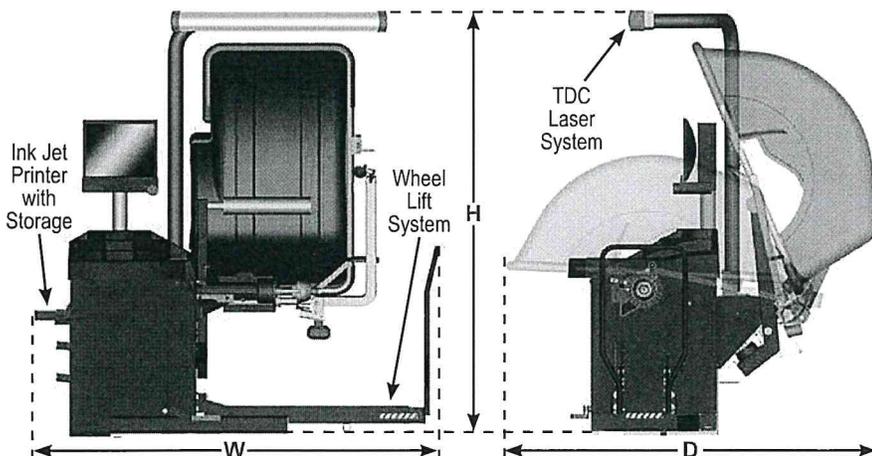
**FM03
Shown**

Power Requirements	196-253V, 10 amp, 50/60 Hz, 1 ph (Power cable includes: NEMA 20 amp plug, L6-20P)
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)*
Auto Inside Dataset® Range	10 in to 30 in (254 mm to 762 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.

MODEL FEATURES / DIMENSIONS

	FM03	FM02	FM01	FM00
Wheel Lift System	✓	✓	✓	✓
TDC Laser System	✓	✓		
Ink Jet Print w/Storage	✓		✓	
Width (W)	77 in 1956 mm	69 in 1753 mm	77 in 1956 mm	69 in 1753 mm
Height (H)	89 in 2261 mm	89 in 2261 mm	81 in 2261 mm	81 in 2261 mm
Depth (D)	73 in 1854 mm	73 in 1854 mm	73 in 1854 mm	73 in 1854 mm
Weight	985 lb 447 kg	934 lb 424 kg	915 lb 415 kg	864 lb 392 kg



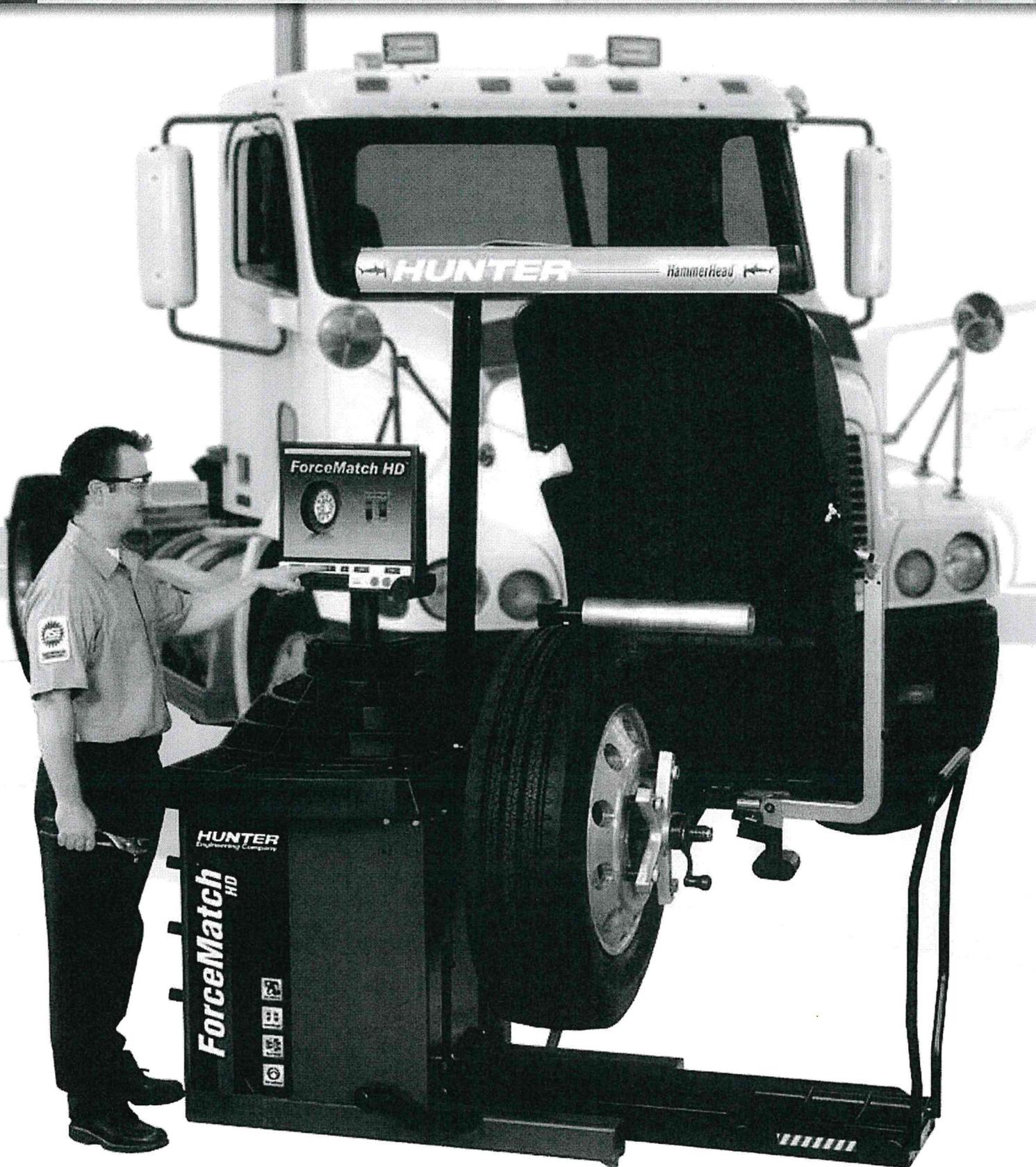
For balancer information visit:
www.hunter.com/balancer

For local contact visit:
www.hunter.com/company/findrep.cfm

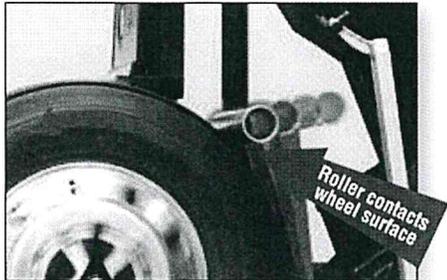
For general inquiries visit:
www.hunter.com
or call
800-448-6848

ForceMatch® HD

The world's #1 heavy-duty diagnostic balancer



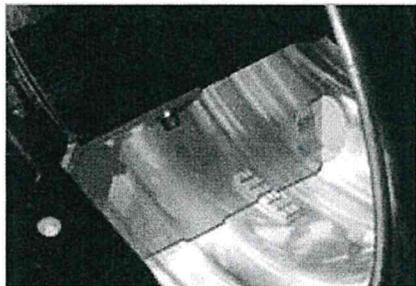
ForceMatch® HD balancer quickly measures runout with every balance



PATENTED

Load Roller

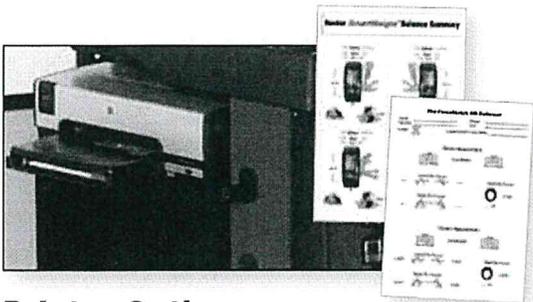
- ✓ Roller detects high spot of tire and allows matching
- ✓ Measures entire contact patch for accurate results



STANDARD

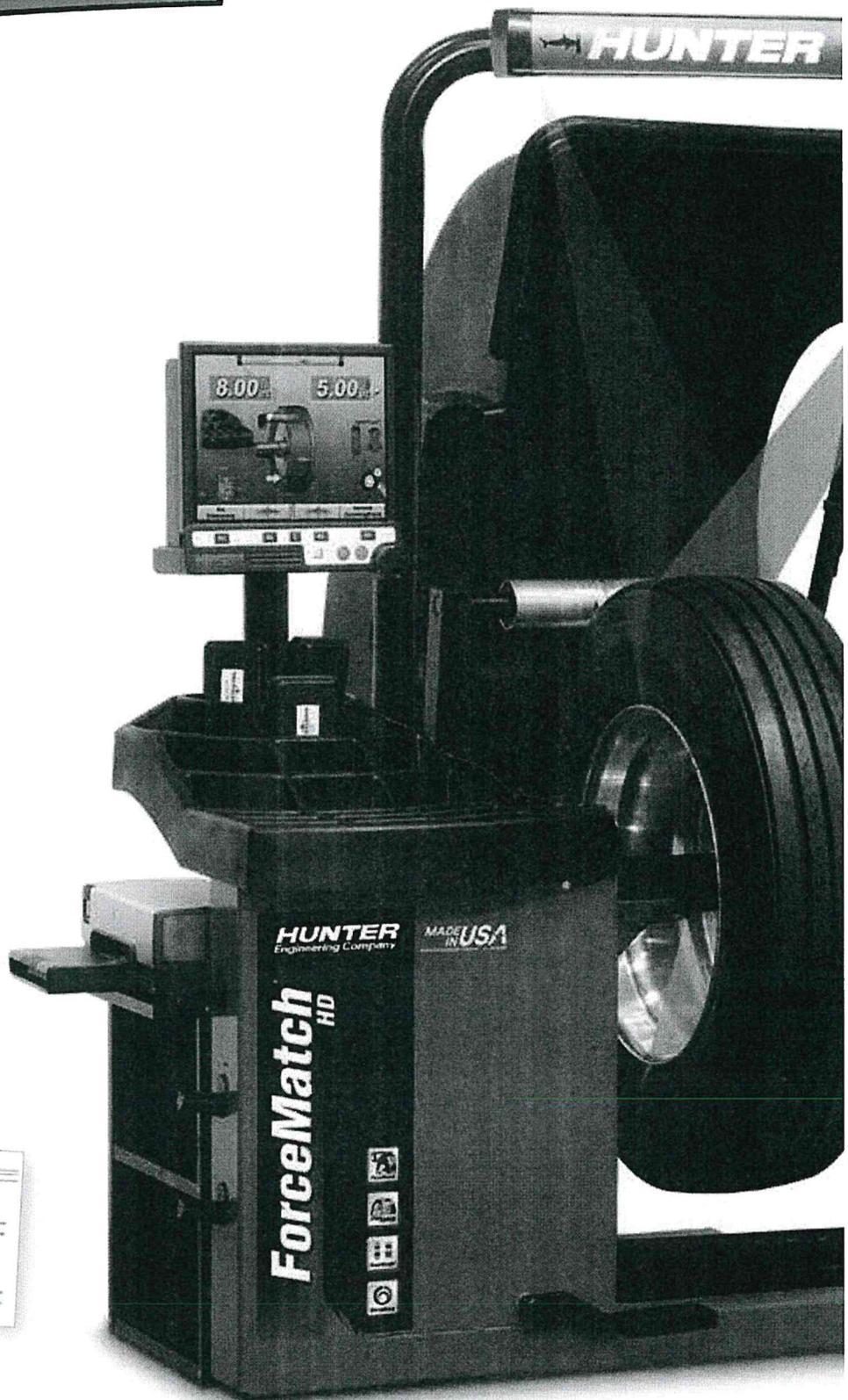
Bottom-Dead-Center Laser

- ✓ Speeds tape-weight placement
- ✓ Improves accuracy



Printer Option

- ✓ Prints service report
- ✓ Explain results to customers



MADE IN USA
HUNTER ENGINEERING COMPANY • ST. LOUIS, MO



HUNTER
Engineering Company

Patented & Exclusive
SmartWeight®

\$7,304.96

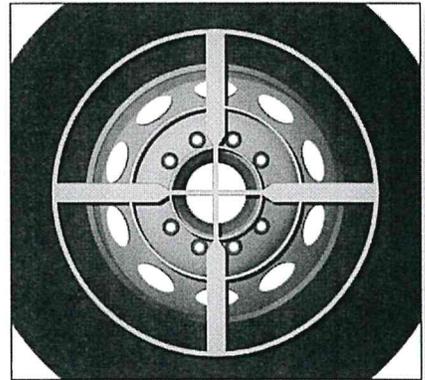
1,209.00 lbs

Savings since 3/1/2013

PATENTED

SmartWeight®

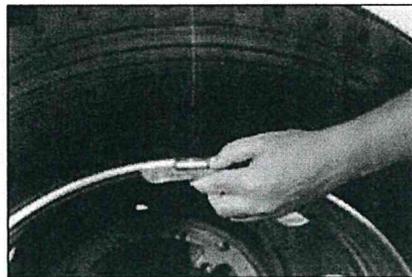
- ✓ Odometer tracks savings
- ✓ Minimizes weight usage
- ✓ Maximizes productivity



PATENTED

CenteringCheck®

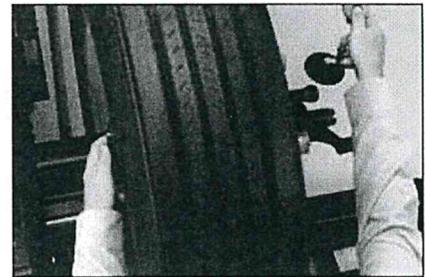
- ✓ Ensures proper centering
- ✓ Eliminates setup errors



PATENTED

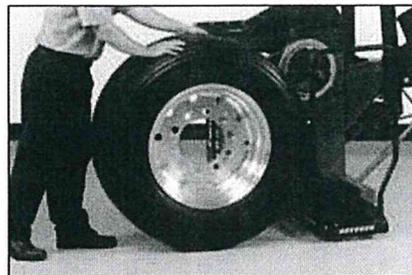
HammerHead® Option

- ✓ Speeds clip-weight placement
- ✓ Improves balance



Dataset® Arms

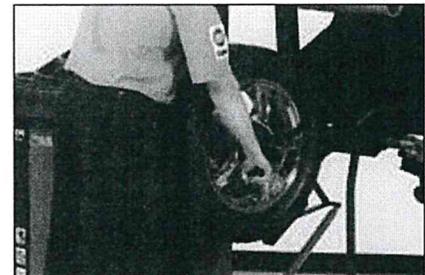
- ✓ Auto-select balancing mode
- ✓ Perform runout measurement on rim



STANDARD

Wheel Lift

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



Balance Any Size Wheel

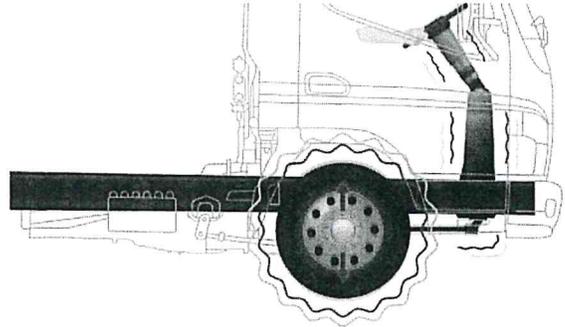
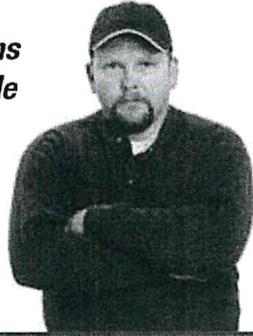
- ✓ Services cars and light trucks
- ✓ Uses standard adaptors



ForceMatch® helps eliminate wheel-related vibration

step 1 An Unknown Force Vibrates the Spindle

Customer complains about strong vehicle vibrations.

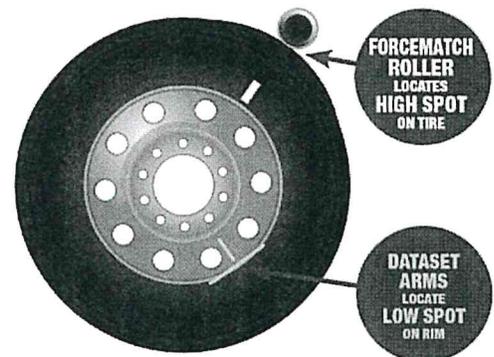


Vibration is transferred from the wheel, through the steering column to the customer.

step 2 Specialized Sensors Measure the Assembly

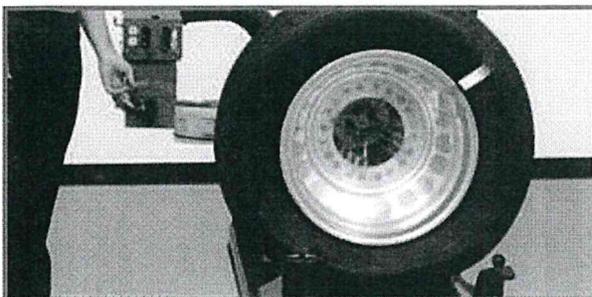


The ForceMatch HD balancer quickly measures runout (eccentricity) of a tire and wheel assembly.

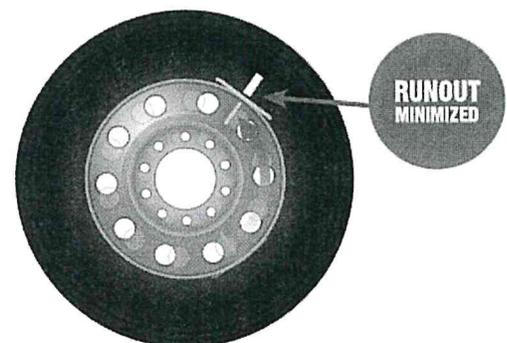


The roller measures the **entire** contact patch of the tire, detecting if the assembly is out of round.

step 3 Match-Mounting Cancels the Vibration

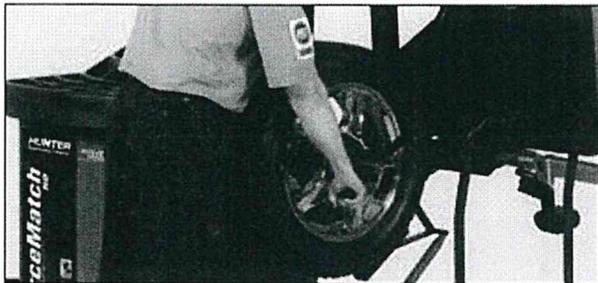


Match-mounting the high spot on a tire to the low spot on a rim makes the assembly roll as smoothly as possible.



Runout-related vibration is minimized, ensuring your customer a smoother ride.

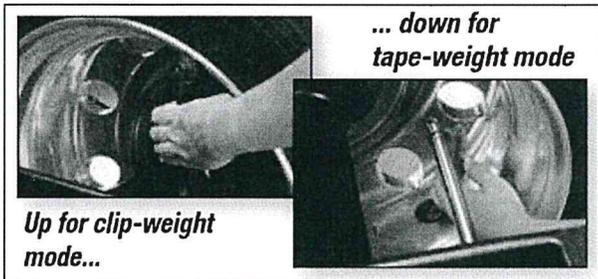
Exclusive features make balancing faster and easier



Balance any size wheel

Service passenger-car, light-truck and heavy-duty assemblies with one balancer.

✓ **Generate more business, higher profits**

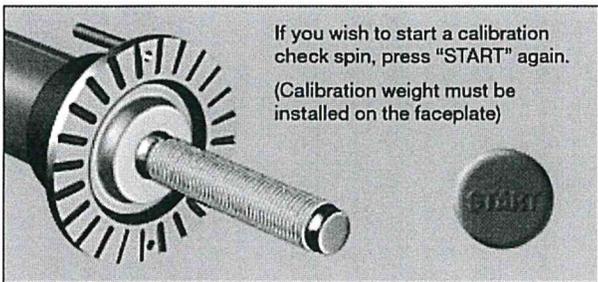


PATENTED

Automatic Mode Detection

Eliminate the need to select the balance mode and reduce service time and possible mode entry errors.

✓ **No need to push buttons**



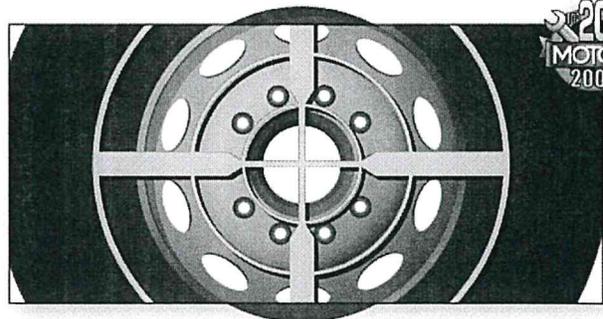
If you wish to start a calibration check spin, press "START" again.
(Calibration weight must be installed on the faceplate)

PATENTED

Quick Cal-Check®

Quickly verify balancer calibration in seconds.

✓ **Ensures proper calibration**

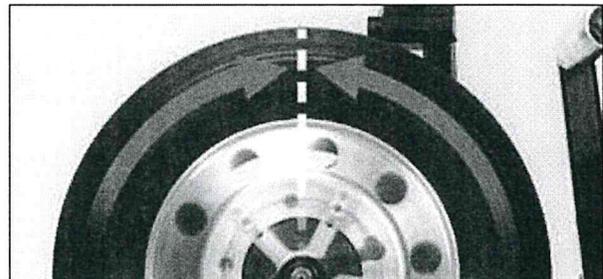


PATENTED

CenteringCheck®

Balancer will tell you if the wheel is properly centered before you proceed with the work.

✓ **Eliminate the #1 cause of comebacks**

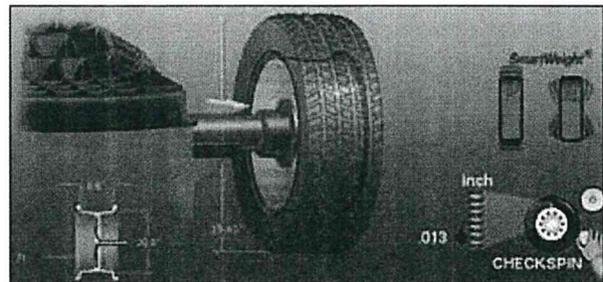


PATENTED

Servo Stop Drive Control

Automatically rotates and holds wheel at top-dead-center or bottom-dead-center weight locations.

✓ **Saves time and increases accuracy**



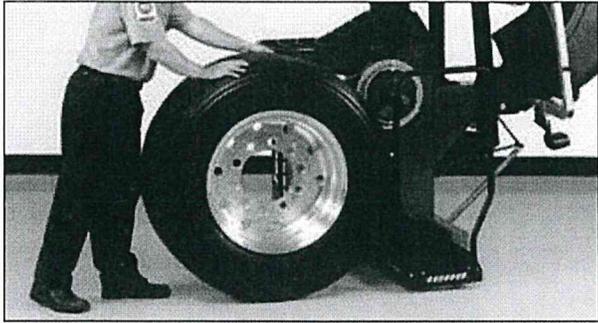
EXCLUSIVE

High-Spot Detection

Match dual wheels to improve tire wear.

✓ **Save money on tires, improve ride quality**

Exclusive features *continued...*

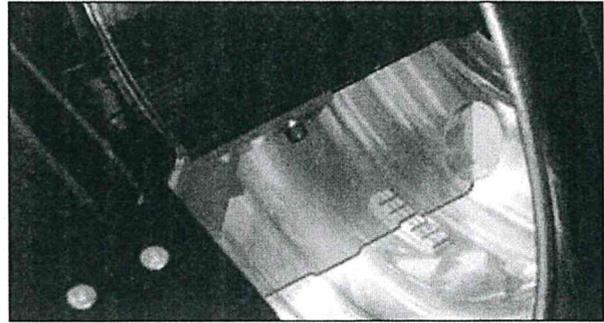


STANDARD

Integrated Wheel Lift

Easily lifts the heaviest wheel assemblies for effortless mounting on the balancer.

- ✓ *Precisely centers all wheels*



STANDARD

Bottom-Dead-Center Laser

Automatically locates and positions wheel at bottom-dead-center for adhesive weight application.

- ✓ *Pinpoint your weight locations to avoid weight chasing.*

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



SmartWeight Correction
✓ Single Weight

View your savings LIVE!



- ✓ Track your weight savings

Watch your investment grow

SmartWeight Savings			
Lifetime Savings			
Material Savings		Labor Savings	
Ounces	19,343.9	Minutes	2,560.2
Pounds	1,209.0	Hours	42.7
Boxes (mixed)	635.0		
Savings	\$6,792.91	Savings	\$512.05
Total		\$7,304.96	

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

Concise TPMS information for passenger-car service



EXCLUSIVE

- ✓ Complicated procedures made simple
- ✓ Eliminate reference manuals



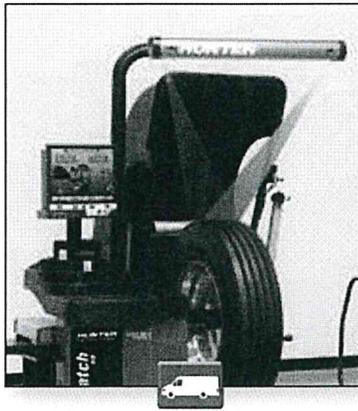
Recall procedures by VIN with barcode scanner (sold separately).



Present TPMS info to customers through internet-connected computers.



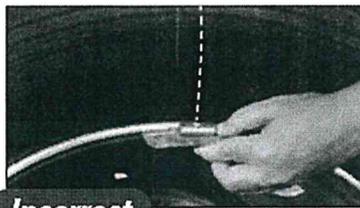
Popular equipment accessories



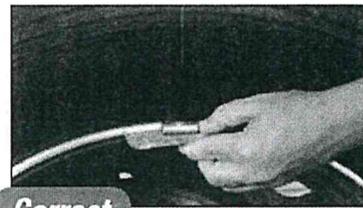
PATENTED

HammerHead® Top-Dead-Center Laser

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



Incorrect



Correct

Color Printer*

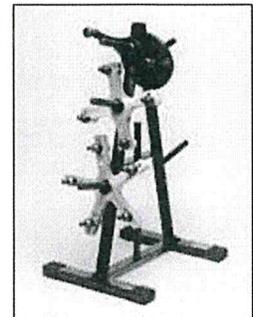
- ✓ Help sell premium service
- ✓ Explain results to customer



STANDARD

Convenient Storage Options

Adaptor tree conveniently stores oversized balancer accessories.



* Printer model may vary from pictured

Available as a field-installed option.