

UPGRADABLE

NEW



**MADE
IN USA** ★

HUNTER ENGINEERING COMPANY ST. LOUIS, MO

Hunter's latest productivity features!

PATENTED



New adaptor design!

- ▶ Faster setups!
- ▶ No metal-to-metal contact!
- ▶ No knob twisting!

PATENTED



New target design!

- ▶ Lighter design!
- ▶ Narrower profile!
- ▶ Faster readings!



EXCLUSIVE



QuickComp™!

Compensate all wheels and capture initial measurements in one motion.

OPTIONAL



Patented steering system reset integration!

Reset computerized steering systems on a wide variety of vehicles with one simple tool.

PATENTED



High-resolution cameras!

Four high-resolution cameras provide alignment measurements with pinpoint accuracy.

EXCLUSIVE



Convenient storage!

Store targets within arm's reach to maximize productivity.



New QuickGrip® wheel adaptors & three-dimensional targets

Hunter's patented QuickGrip® adaptors and three-dimensional targets accelerate service with set-up times in seconds instead of minutes...

Extremely Fast Installation



- ✓ Spring-loaded arms grip the tire
- ✓ Thumb switch secures the clamp
- ✓ Off-center clamping has no effect on accuracy

Avoid Damage to Expensive Rims



- ✓ Grips tire, not rim
- ✓ No metal-to-metal contact
- ✓ Only protective ring contacts wheel

Less Weight



- ✓ Weighs only 2.7 kg (6 lbs.)
- ✓ Nearly 50% lighter than previous designs

Space-Efficient Profile



- ✓ Approx. 228 mm (9 in.) profile
- ✓ Easy to work around
- ✓ Great for narrow bays





Quick-Change Arms



- ✓ Interchangeable arms cover up to 940 mm (37 in.) wheel assemblies

- ✓ **One arm fits approximately 90% of applications**

Deep-Wheel Extension



- ✓ Deep rims or protruding hubs, no problem
- ✓ Standard accessory

Wide-Angle Targets



- ✓ Perform max steer procedure, as needed
- ✓ Standard accessory

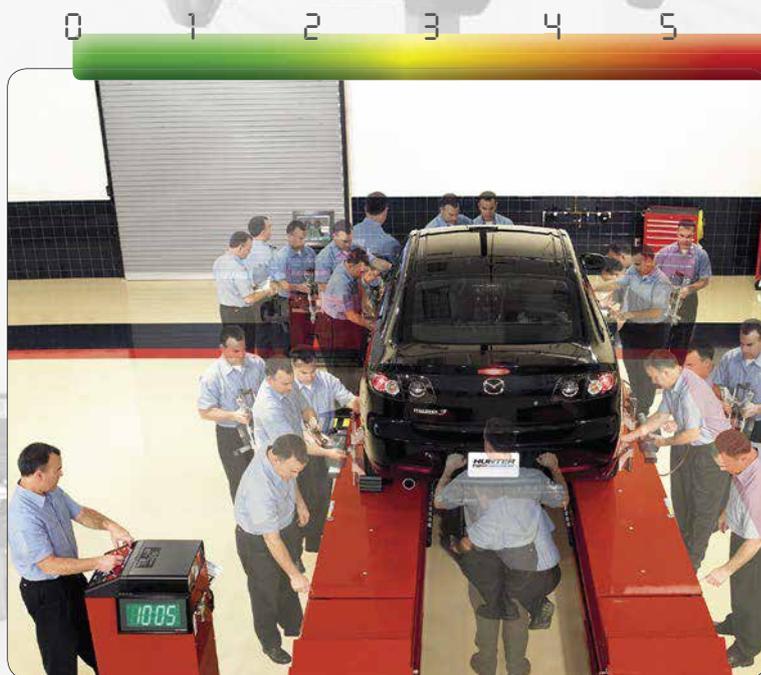
Low Maintenance



- ✓ Shop-tough polymer structure withstands drops
- ✓ No electronics, cables or calibration
- ✓ Only occasional cleaning required

Previous setups used valuable shop time...

Conventional electronic-sensor system – 10-minute-plus procedure



- ✓ Chock wheels and lift vehicle
- ✓ Jack up front and rear of vehicle
- ✓ Check air pressure and recall specs
- ✓ Mount all 4 sensors, compensate each sensor, and remove pins
- ✓ Lower rear and front of vehicle and jounce
- ✓ Steer to measure caster
- ✓ Print results

10:00+

ACTIVITY TRACKER

4 

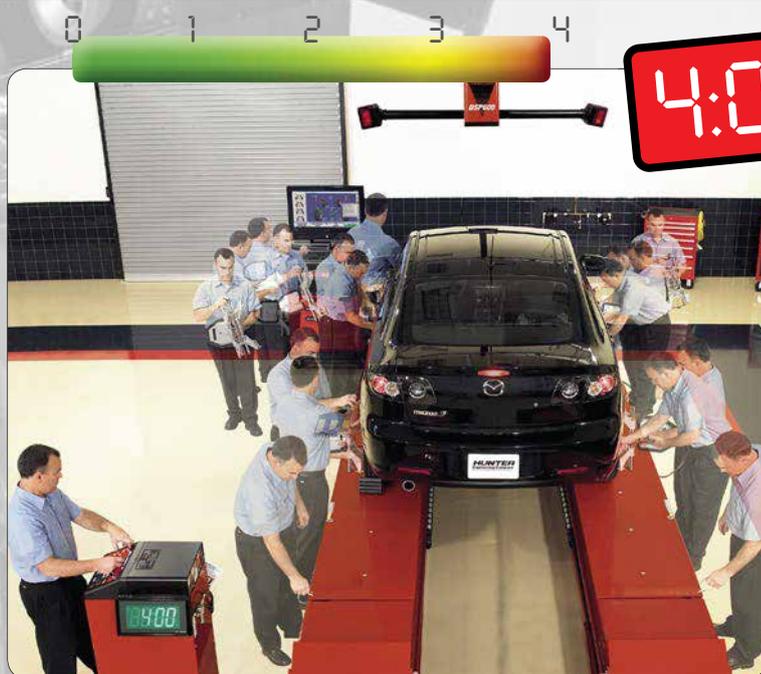
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246 

Older technology requires long set-up times...

10:05 Total

Camera-sensor systems speed up the process



- ✓ Chock wheels and lift vehicle
- ✓ Check air pressure and recall specs
- ✓ Mount targets
- ✓ Roll backward, then forward to compensate
- ✓ Remove pins
- ✓ Steer to measure caster
- ✓ Print results

4:00

ACTIVITY TRACKER

3 

6 

183 

Early camera technology improved efficiency...

4:00 Total

...Today, present **your results in just 70 seconds!**

0 1



Hunter's HawkEye Elite and Premium RX Lift **capture all readings and produce measurements in 70 seconds!**

Hunter's 70-second procedure

- ✓ Chock wheels and raise lift to work height
- ✓ Mount targets and set air pressure
- ✓ Roll forward to compensate sensors
- ✓ Recall specs and perform **faster caster** steer
- ✓ Vehicle results print automatically

1:10 Total

ACTIVITY TRACKER

1

0

72

- trip around the vehicle**
- trips to the console**
- total walking steps**



Fast printouts in 70 seconds!

Use detailed printouts featuring your company's logo to sell more work.

FIA Fully Integrated Alignment



FIA streamlines the entire alignment process. Communication links automate tasks once performed by the technician manually, eliminating time-consuming trips around the vehicle and to-and-from the console.



1 RX Scissor Lift console



- ✓ Raising the vehicle triggers the sensors to look for wheel targets
- ✓ Control PowerSlide® and Inflation settings on the lift console



H Optional AlignLights turn on automatically at alignment height

2 WinAlign® console



- ✓ Centralized control of entire system
- ✓ Communicate directly with lift to set tire pressure and automatically operate turnplates and slipplates
- ✓ Guide the technician through the alignment process



H Measurements are taken automatically once the fourth target is installed

3 PowerSlide® system **OPTIONAL**

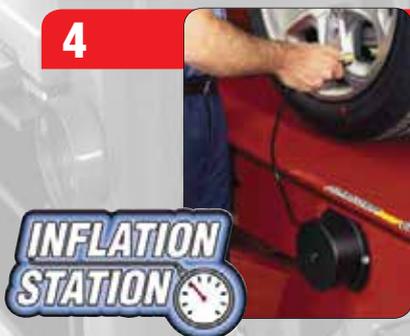


- ✓ Slipplates and turnplates automatically lock and unlock at appropriate times
- ✓ No more struggles with lock pins

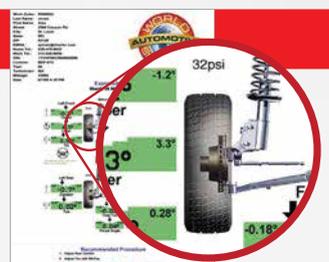


H Auto-locking turnplates and slipplates save trips around the vehicle

4 Inflation Station **OPTIONAL**



- ✓ Automatically inflate all four tires simultaneously
- ✓ Record starting and final pressure
- ✓ Hose recoils to keep work area clear



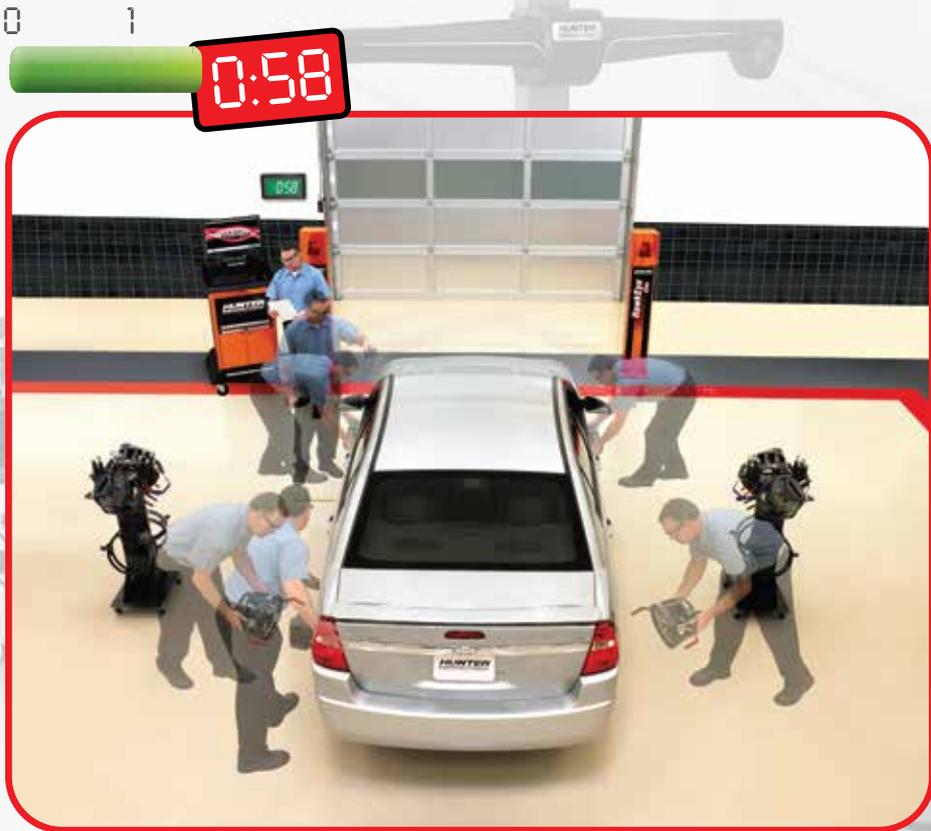
H Software tracks before and after tire pressures for the customer's printout

Requires optional FIA lift. See RX or Four-Post Lift brochure for details.

Use your aligner to perform **Quick Checks!**

Quick Check[®]

HUNTER



Use **detailed printouts** featuring your company's logo to sell more work

- ✓ Total toe front and rear
- ✓ Camber on all wheels
- ✓ Tire wear indication
- ✓ Identifies vehicles that require electronic steering system reset

OPTIONAL



20-2785-1 CodeLink with XF2 Pod Kit*
Retrieves emission codes. Wirelessly transfers important vehicle information to console.

OPTIONAL



20-2781-3 Battery Health*†
Tests battery to OEM specs. Sends results to console wirelessly in 10 seconds.

OPTIONAL



20-2782-1 Tire Tread Depth*
Quick and easy tire wear check. Conditions transmitted to console automatically.



* Requires WinAlign 14.1 software in Quick Check mode.
† Battery Health tester is scheduled for future release.

CodeLink®

The new last step in alignment service

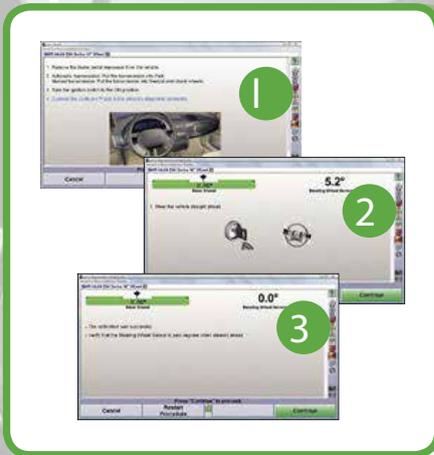
CodeLink® directly "links" the vehicle OBD-II to the aligner to reset steering system sensors, as required by the manufacturer.

Simple and efficient

- ✓ Automatically identifies candidate vehicles
- ✓ Incorporates reset steps into the alignment
- ✓ Uses aligner screen to display instructions
- ✓ Updates automatically with system software upgrades
- ✓ Dedicated alignment tool



One tool replaces multiple OEM scan tools

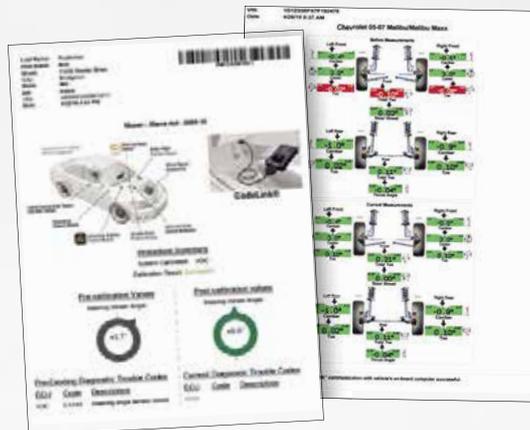


Simplified reset instructions replace confusing OEM procedures

Finishes the job right

- ✓ No other reset tool matches CodeLink's patented integration with the alignment procedure
- ✓ Guarantees precision with exact steering system sensor thresholds
- ✓ Reduces errors that result in customer comebacks

Printed documentation confirms that steering system reset was completed properly



When it comes to **award-winning software**, **WinAlign®** is unmatched

The importance of software...



Over 30 years of experience and the largest R&D department in the undercar industry bring you the most profitable and productive software on the market.



- ▶ The **most extensive** vehicle information database.
- ▶ **Vehicle-specific** procedures guide your technicians with step-by-step instructions.
- ▶ **Patented and award-winning power tools** complete the work accurately the first time, every time.
- ▶ **WinAlign maximizes profit and productivity** in your alignment bay.



Ordinary systems simply present alignment readings



Ordinary camera systems simply speed up these readings

WinAlign maximizes profit and productivity in your alignment bay



ExpressAlign®

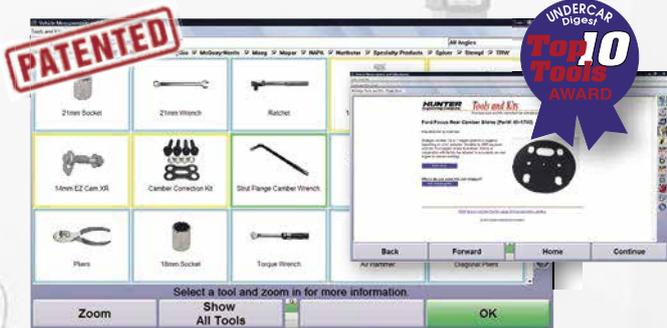
Perform every alignment with a streamlined procedure. ExpressAlign analyzes each job and presents the optimal action sequence with the minimum steps required.



WinToe®

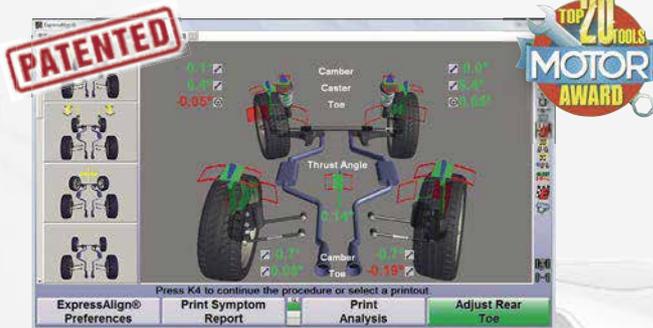
Ensure a straight steering wheel every time without repeated adjustments or using a steering wheel holder.

⚡ A timesaver on nearly every alignment.



Tools and Kits Database

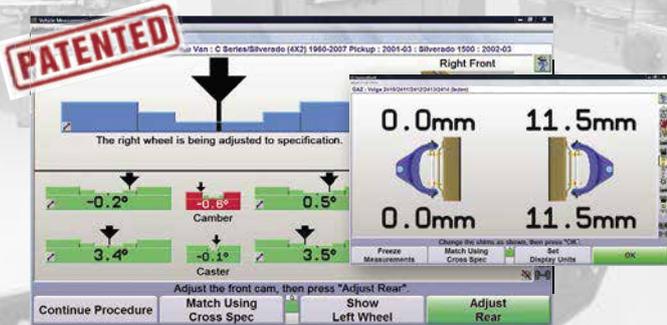
Save trips back and forth to the tool box. Hunter presents all of the tools and aftermarket correction kits needed for each alignment.



Virtual View®

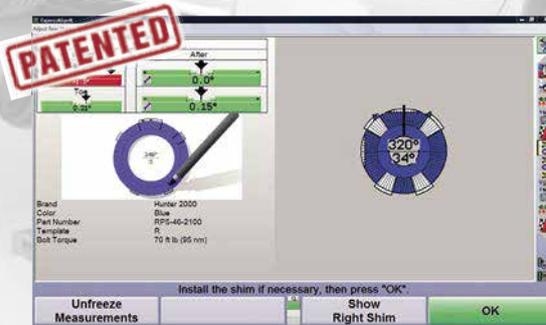
Picture your alignment job in 3-D using real-time 3-D models. Used by experts and novices alike.

Every alignment can be shown in 3-D.



Control Arm Movement Monitor®

Cut adjustment times in half for front-shim, dual-cam or dual-slot vehicles. Step-by-step graphics let you get it right on the first try.



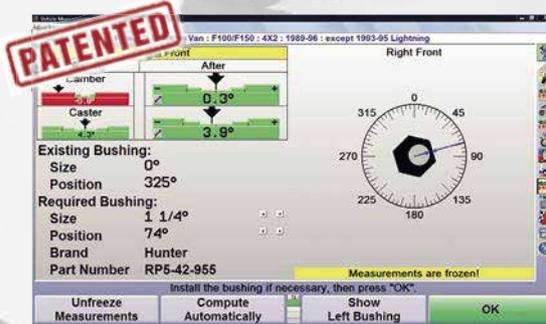
Shim-Select® II

Eliminate confusing shim charts and tables. Shim Select II quickly calculates and displays the template you need for proper shim installation.



Faster Caster

increasing the efficiency and speed of the alignment procedure. Rather than installing the brake pedal depressor on every vehicle.



Automatic Bushing Calculator®

Calculate the proper bushing size and position adjustment without wasting time with a zero bushing.



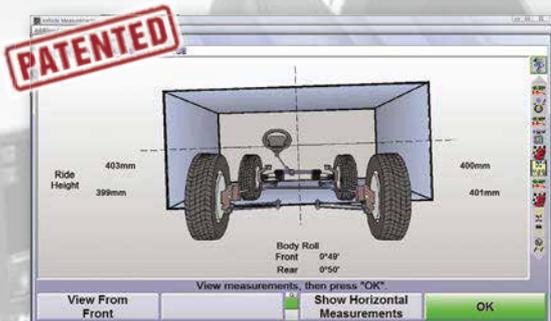
Wheel-Off Adjustment

Speed the alignment process by making adjustments with the wheel removed.*

Available when you need it.

Take your alignment business to the next level!

Perform body shop alignment....



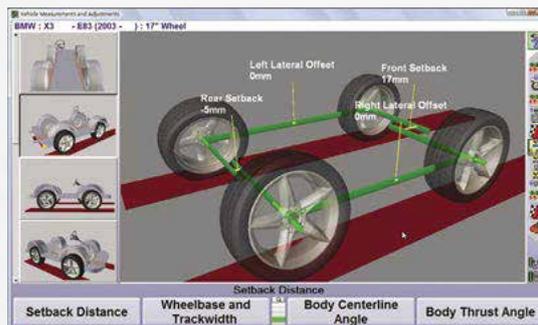
Suspension Body Dimension Audit

Quickly screen vehicles to determine alignability and collision repair needs.



WinAlign Tuner*

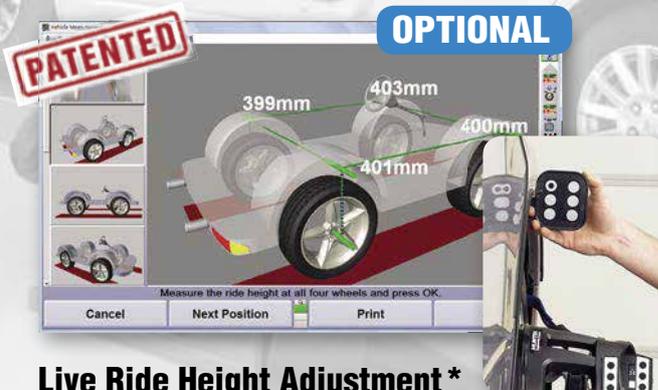
Perform alignments on tuned suspensions and other modified vehicles with tools to monitor tire wear and handling.



Symmetry Angle Measurements

Instantly access symmetry angles and setback for your body shop customers.

Perform specialty alignments...

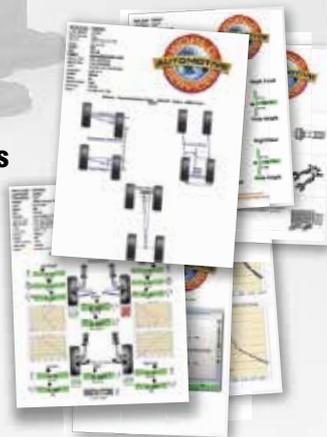


Live Ride Height Adjustment*

Measure and adjust ride height in real-time.

Fast printouts to share with customers

Customize Hunter's detailed printouts to help explain service needs to customers or to document repairs.



* Optional on all WinAlign consoles.

Help your customers make informed decisions!



WinAlign® Video Library*

400+ videos and animations cover all aspects of wheel alignment today.

- ✓ Educate your customers
- ✓ Find answers to unusual problems
- ✓ Extend your service and profit opportunities
- ✓ Strengthen technician competency



Point & Click Inspection Photos*

5,000+ vehicle-specific photos and illustrations to assist your shop.

- ✓ Show your customers their hidden repair needs
- ✓ Guide your technicians to the proper inspection points
- ✓ Extend your service and profit opportunities



The latest specs available online

Download, access and communicate alignment service information through the Internet.

- ✓ WebSpecs®.NET specification database
- ✓ ShopResults.NET® online service**
- ✓ UnderCarInfo.NET subscription**



WinAlign® printouts help sell work

Explain needed parts and repairs and show completed work to customers using detailed, color-coded printouts.

- ✚ Clear and detailed printouts help you communicate and build rapport with your customers and sell more alignments.

** Two-year free subscription for WebSpecs.NET.

* Optional on all WinAlign consoles.

Additional features **enhance alignment service!**



Drive-on camera

Safely and easily position a vehicle on a lift with one technician. WinAlign® software supports the use of a drive-on camera, which uses the aligner screen as a guide. (Drive-on camera sold separately.)

Adjustable Clamp Arms



One set of adjustable arms covers the same clamping range as standard multi-arm kit

Choose the **right sensor package** for your shop!



Cabinet-mounted configuration is mobile to service multiple alignment bays and provides a full range of travel for additional lift height.



Wall- and ceiling-mount configurations are perfect when space is at a premium.



HawkEye Elite® sensors (HE421) come equipped with QuickGrip® adaptors and three-dimensional targets.



Latest Technology



Processor	Hardware	3.30 GHz Intel® Core™ i3
Memory (DDR2)		4 GB of DDR3 SDRAM
Hard drive		120.0 GB SSD hard drive (or greater)
DVD-RW/CD-RW drive		Standard
Monitor class		609 mm (24 in.) or 685 mm (27 in.) widescreen LCD 812 mm (32 in.) available on large console
Wireless network module		Standard
Operating system		Windows® 10
TD target support		Standard
Vehicle specifications (30 plus years)		2 years free updates

PATENTED Award-winning WinAlign software	Productivity tools	Yes
PATENTED Real-time Specs delivered by web		WebSpecs® (2 years standard)
PATENTED Steering System Reset (integrated)		Yes (with optional CodeLink®)
PATENTED Live Ride Height Adjustment		Optional
PATENTED Fully Integrated Alignment		Yes (FIA equipped rack required)
PATENTED Vehicle Inspection with photos		Standard
PATENTED Tools & Kits – photos		Standard
PATENTED Tools & Kits – video		Optional
STANDARD Equipment Video Help/Assistance		Optional
PATENTED Training and Productivity Aids		Standard 4,000+ photos, 1,600+ illustrations Optional 400+ videos & animations

For product dimensions, weights and site requirements, please contact your local Hunter Distributor.

Alignment **sensor** and adaptor comparison



HE421



Metal on metal contact	Specifications	None
Weight of assembly		2.7 kg
Profile of assembly		228 mm
Installation time		5 seconds
Rolling compensation style		Forward
Camera resolution		2,608 x 1,952 (pixels per camera) 20,000,000 (pixels total)
Track width		2032 mm
Wheel base		5334 mm
Distance to wall*		1676 - 2717 mm
Suggested distance*		2514 mm
Short bay distance (see site info)*		1676 mm

S.A.I. and included angle	Secondary Measurements	✓
Set back		✓
Maximum steering angle		To lock**
Live ride height		Optional***
Wheelbase difference		✓
Track width difference		✓
Tread width difference		✓
Lateral offset		✓
Rear set back		✓
Axle offset		✓

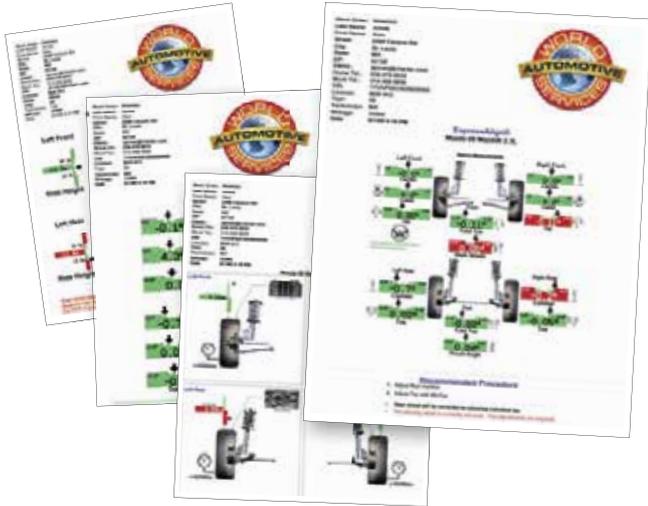
SBDA	Body Measurements	✓
Body angle		✓
Body wheel offset & setback		✓
Body roll		✓**

Way Up Way Out WinToe	Adjustments	✓**
Wheel-Off Adjustment		Optional****

*Refer to site requirements for exact bay specifications.

**Requires standard wide-angle target extensions.
Requires Ride Height targets. *Requires both Wheel-Off Kit and SCA Adaptor Kit (20-2664-1).

Increase revenue with Hunter merchandising!

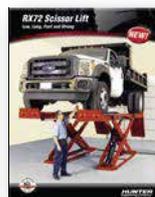


Sell more alignments with clear and informative printouts



Educate your customers about electronic steering system reset

Introduce your wheel alignment capabilities with great Point-of-Sale options from Hunter



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

HUNTER
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