



HawkEye Elite® Alignment Systems

Greater profit and productivity through innovation

NEW!



HUNTER
Engineering Company

ALLIANCE SUPPLIES SDN.BHD.

www.alliance-supplies.com | www.alliancesuppliesonline.com.my | info@alliance-supplies.com | T:+606 3338889/8887/8898

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!*

HawkEye
Elite





NEW!



PATENTED



High-resolution cameras!

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

STANDARD



Recall specs in a snap!

Recall OE specs and vehicle-specific alignment procedures instantly.**

STANDARD



Patented steering system reset integration!

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

EXCLUSIVE



Convenient storage!

Store targets within arm's reach to maximize productivity.

EXCLUSIVE



QuickComp™!

Compensate all wheels and capture initial measurements in one motion.

EXCLUSIVE



New console design!

Integrated storage and charging for popular accessories.* †

* Available only on mobile WA400 consoles.

** Standard with WA400 consoles, optional with WA300 consoles.

† Remote Indicator sold separately.

New QuickGrip™ wheel adaptors & three-dimensional

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 rim

Less Weight



- ✓ Weighs only 6 lbs.
- ✓ Nearly 50% lighter than previous designs

Space-Efficient Profile



- ✓ Approx. 9" profile
- ✓ Easy to work around
- ✓ Great for narrow bays





PATENTED

Quick-Change Arms



- ✓ Interchangeable arms cover up to 37" 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

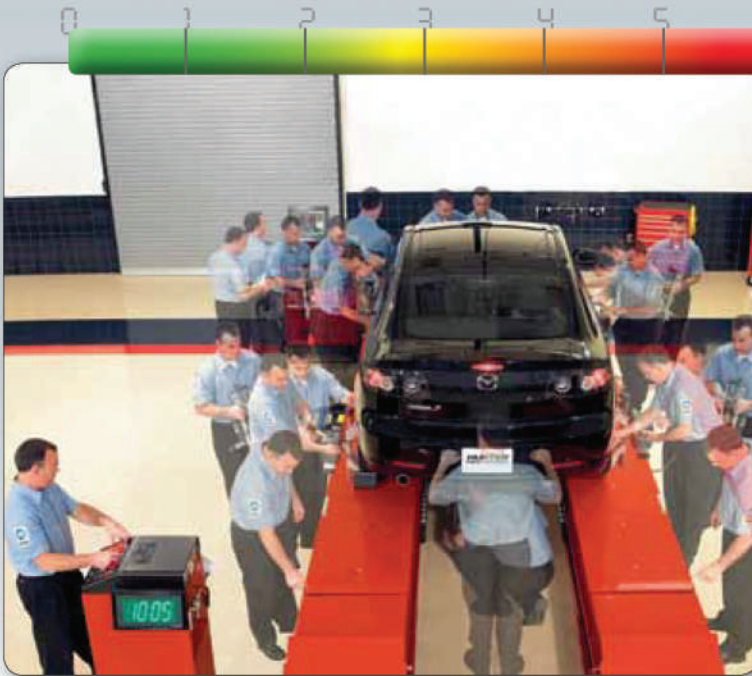
Low Maintenance



- ✓ 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 caster
- ✓ Print results

10:00

10:05 Total

ACTIVITY TRACKER

4	
6	
246	

Older technology requires long set-up times...

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 caster
- ✓ Print results

4:00

4:00 Total

ACTIVITY TRACKER

3	
6	
183	

Early camera technology improved efficiency...

...Today, present your results in just 90 seconds!



Hunter's HawkEye Elite® and Premium RX Lift capture all readings and produce measurements in 90 seconds!

Hunter's 90-second procedure

- ✓ Chock wheels and raise lift to work height
- ✓ Mount targets and set air pressure
- ✓ Roll forward to compensate sensors
- ✓ Scan VIN to recall specs and perform enhanced caster steer
- ✓ Vehicle results print automatically

1:30 Total

ACTIVITY TRACKER

1	
0	
72	

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



Fast printouts in 90 seconds!

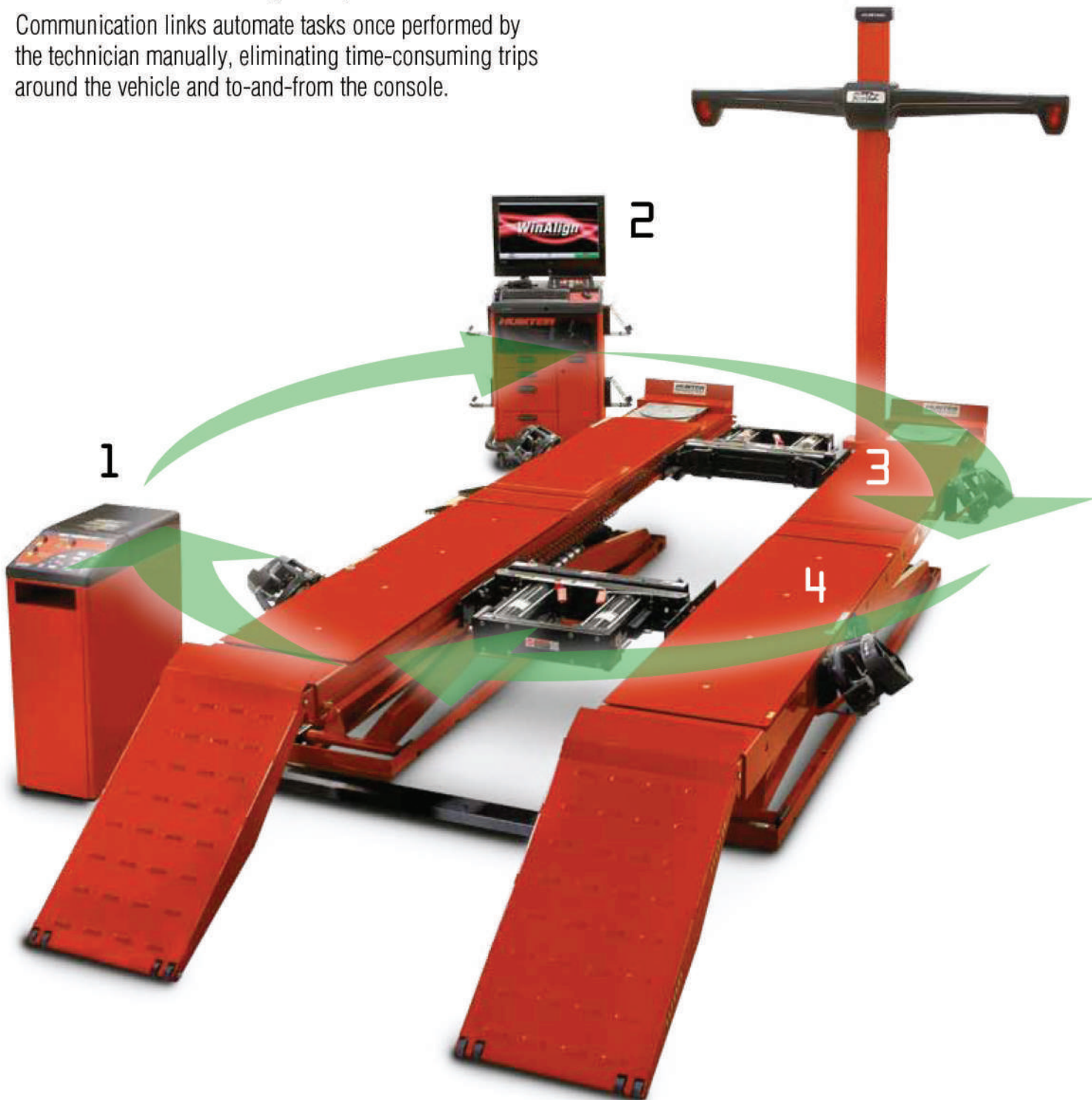
Use detailed printouts featuring your company's logo to sell more work.

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.



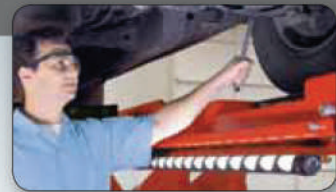
PATENTED

1



RX Scissor Lift console

- ✓ Raising the vehicle triggers the sensors to look for wheel targets
- ✓ Control PowerSlide® and Inflation Station settings on the lift console
- ✓ Store bar-code scanner and CodeLink tool near the vehicle to save steps



H AlignLights turn on automatically at alignment height

PATENTED

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

PATENTED

3



POWER SLIDE

PowerSlide® system

- ✓ 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

PATENTED

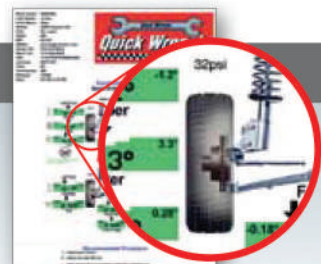
4



INFLATION STATION

Inflation Station

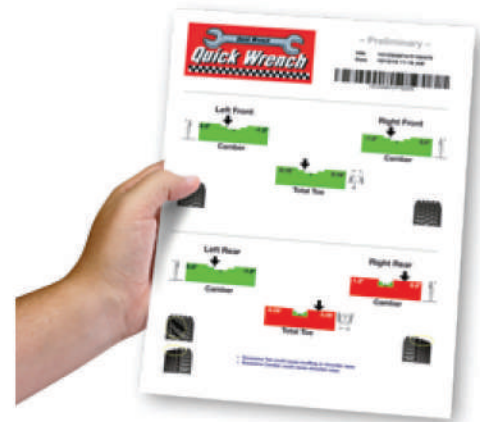
- ✓ Automatically inflate all four tires simultaneously
- ✓ Record starting and final pressure
- ✓ Hose recoils to keep work area clear



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

Requires FIA lift. See RX or Four-Post lift brochures for details.

Use your aligner to perform an Alignment Quick Check!



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

Step-by-step procedure for Alignment Quick Check



1. Pull car in and stop



2. Mount QuickGrip adaptors



3. Roll vehicle forward



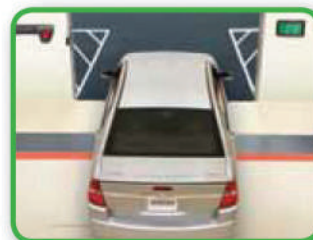
4. Scan VIN



5. Remove QuickGrip adaptors



6. Get printout



7. Out of the bay in 58 seconds



8. Sell the alignment (when needed)

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.

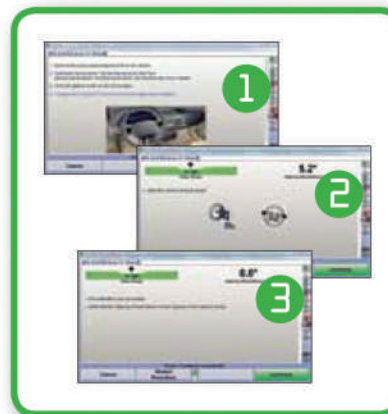
Simple and efficient

- ✓ 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

PATENTED

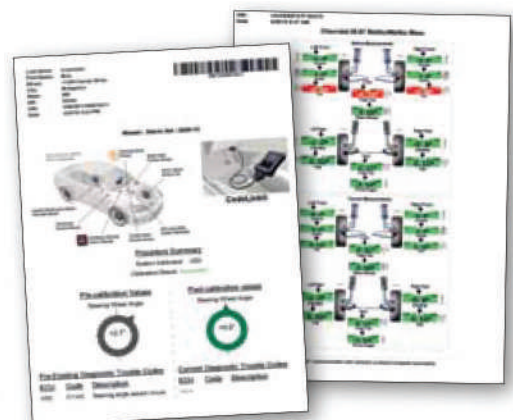


Simplified reset instructions replace confusing OEM procedures

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



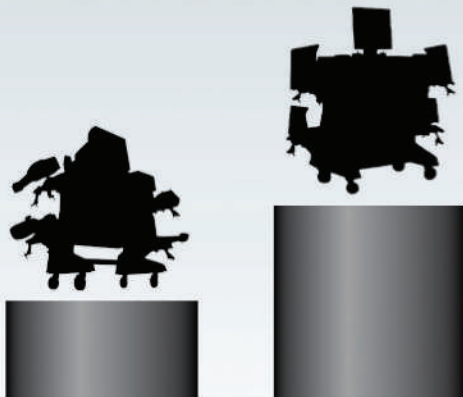
Some of the more popular OEMs that currently require reset:
 Audi • BMW • Chevy • Ford • Hyundai • Infiniti • Lexus • Mazda • Mercury • MINI • Nissan • Pontiac • Saturn • Scion • Toyota • Volkswagen

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.



Ordinary systems simply present alignment readings

Ordinary camera systems simply speed up these readings

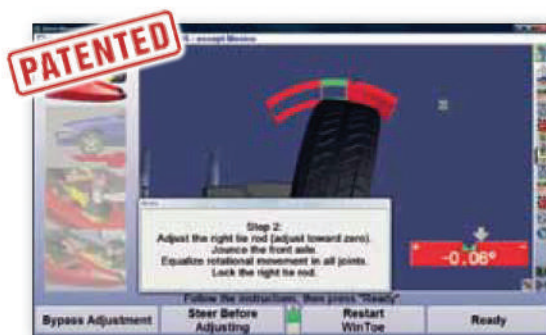
WinAlign maximizes profit and productivity in your alignment bay

- ▶ The **most extensive** vehicle information database for North America's 220 million vehicles.
- ▶ **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.**



ExpressAlign®

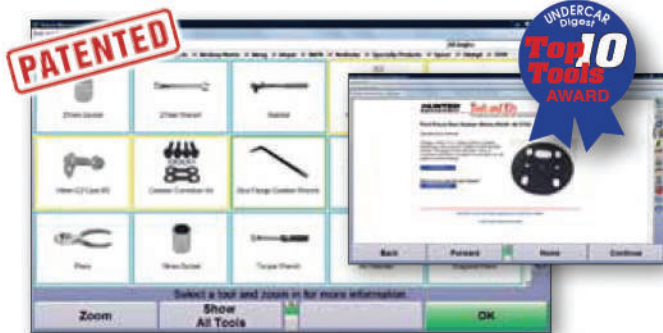
Perform every alignment with a streamlined procedure. ExpressAlign analyzes each job and presents the optimal action sequence with the minimum steps required.



WinToe®

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

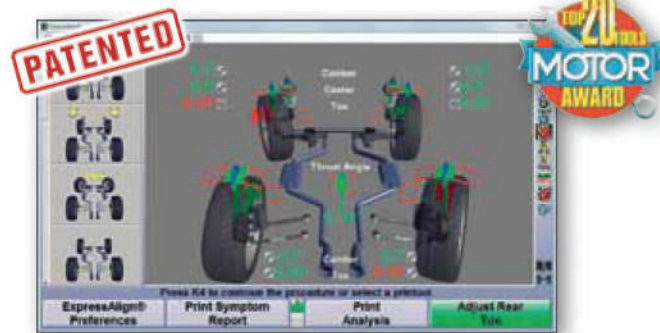
🚗 A timesaver on nearly every alignment



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.

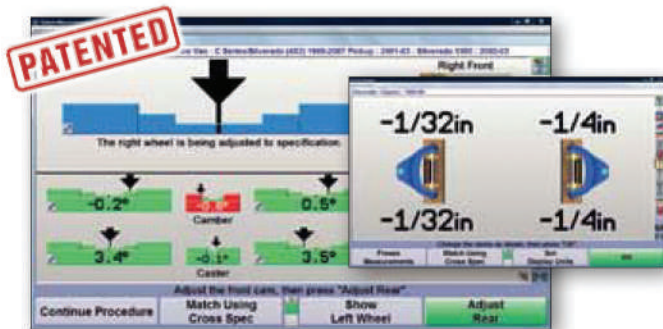
🚗 Online ordering supported



Virtual View®

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

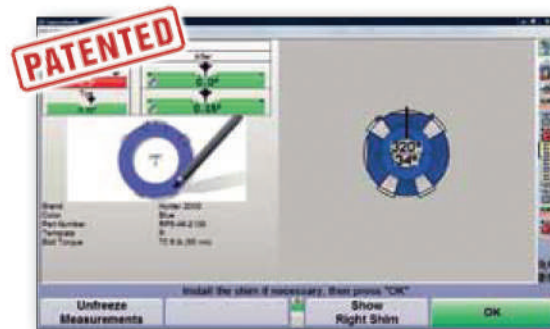
🚗 Every alignment can be shown in 3-D



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.

🚗 Over 60 million vehicles benefit



Shim-Select® II

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

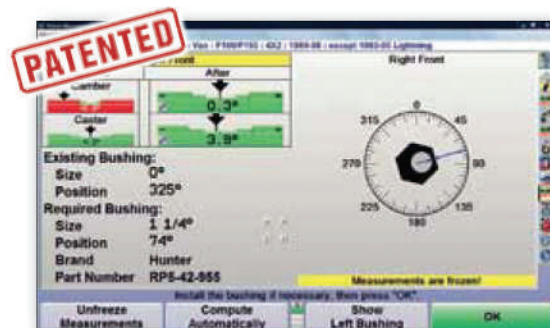
🚗 Over 30 million vehicles benefit



Wheel-Off Adjustment

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

🚗 Available when you need it



Automatic Bushing Calculator®

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

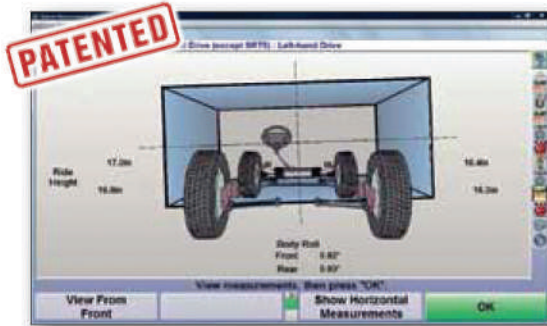
🚗 Over 10 million light trucks and vans benefit

* For three-dimensional targets, both Wheel-Off Adjustment Kit and SCA Adaptor Kit 20-2664-1 is required.



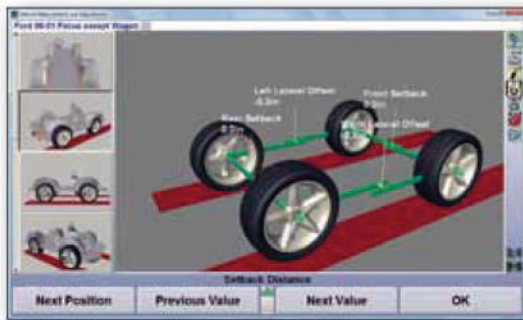
Take your alignment business to the next level!

Perform body shop alignments...



Suspension Body Dimension Audit

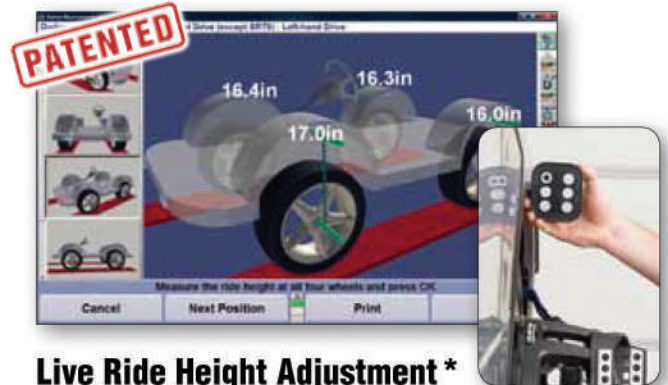
Quickly screen vehicles to determine alignability and collision repair needs.



Symmetry Angle Measurements

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

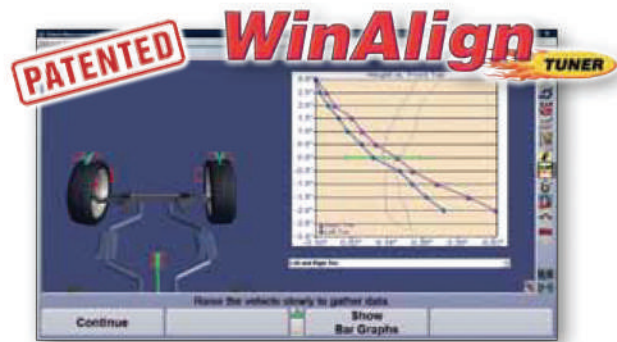
Perform specialty alignments...



Live Ride Height Adjustment*

Measure and adjust ride height in real-time.

H Over 20 million vehicles require ride height measurement to complete alignment service

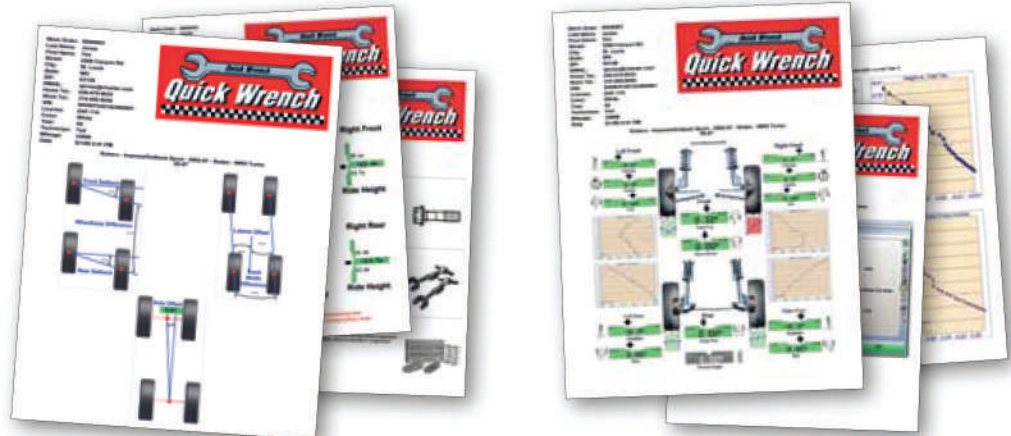


WinAlign Tuner*

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

Fast printouts to share with customers

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



*Standard with WA400 consoles, optional with WA300 consoles.

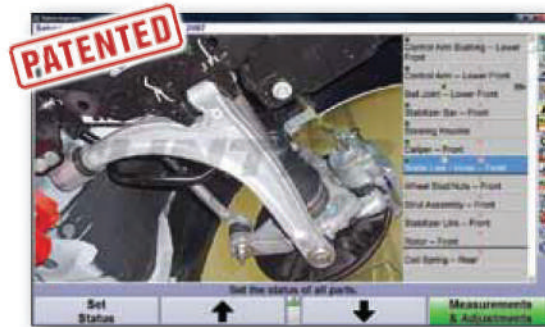
Help your customers make informed decisions!



WinAlign® Video Library*

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

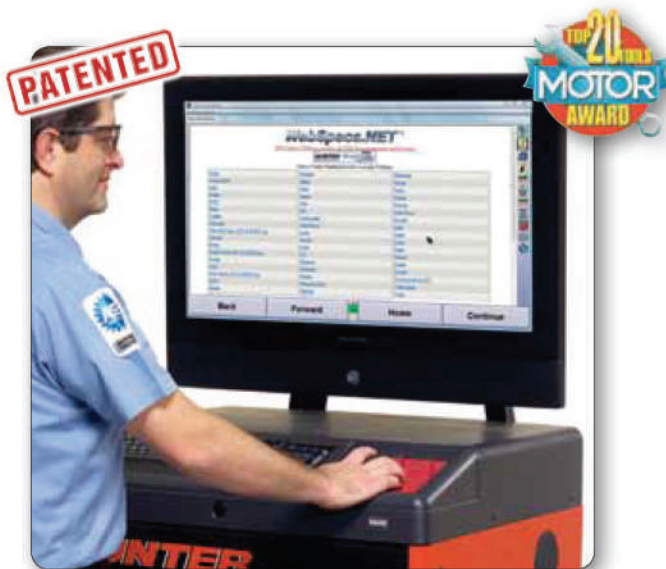
- ✓ Educate your customers
- ✓ Find answers to unusual problems
- ✓ Extend your service and profit opportunities
- ✓ Strengthen technician competency



Point & Click Inspection Photos*

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

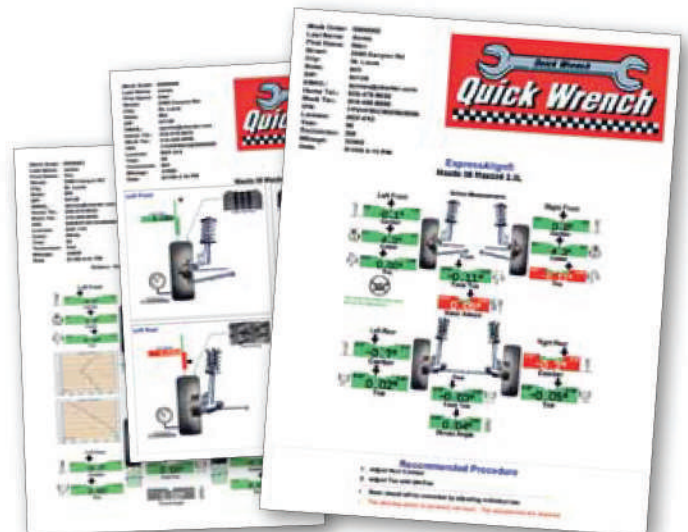
- ✓ Show your customers their hidden repair needs
- ✓ Guide your technicians to the proper inspection points
- ✓ Extend your service and profit opportunities



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**

* Standard with WA400 consoles, optional with WA300 consoles.

† Two-year free subscription for WebSpecs.NET, one-year free subscription for ShopResults.NET and UnderCarInfo.NET.

TPMSpecs® brings concise TPMS information to your business!



TPMSpecs® pulls together **over 100** TPMS procedures into a simple, yet comprehensive, user-friendly format for the technician.



Hunter TPMSpecs available at check in too!



Present TPMS info to your customers through any internet-connected shop computer!

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

OPTIONAL



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



Choose the right alignment console for your shop!

WinAlign WA400 Premium consoles

Industry-leading hardware	Processor	3.06 GHz Intel® Core™ i3
	Memory (DDR2)	4 GB of DDR3 SDRAM
	Hard drive	250.0 GB SATA hard drive (or greater)
	DVD-RW/CD-RW drive	Standard
	Monitor class	24" or 27" widescreen LCD (32" available on large console)
	Wireless network module	Standard
	Operating system	Windows® 7
	Three-dimensional target (TD Target®) support	Standard
	Vehicle specifications (30 plus years)	Standard (2 years free updates)
	Large console with drawers	Standard (with WA44X consoles)
	Compact console with printer drawer	Standard (with WA43X consoles)
	Console-top storage and charging station	Standard (with mobile WA400 consoles)



Large console



Compact console



Wall-mount console

Award-winning productivity tools	PATENTED Award-winning WinAlign® software	Standard
	PATENTED Real-time specs delivered by web	WebSpecs® (2 years standard)
	PATENTED Steering system reset (integrated)	Yes (with standard CodeLink®)
	Bar code reader	Standard
	Complete TPMS reset database	Standard
	PATENTED Live Ride Height adjustment	Standard
	PATENTED Fully Integrated Alignment	Yes (FIA-equipped lift required)
	PATENTED Modified vehicle alignment	Yes (with standard WinAlign Tuner)
	PATENTED Vehicle inspection with photos	Standard
	PATENTED Tools & Kits – basic catalog	Standard
	PATENTED Tools & Kits – video and photos	Standard
	Equipment video help/assistance	Standard
	PATENTED ShopResults (via ShopResults.NET®)	1 year standard
	UnderCarInfo (via UnderCarInfo.NET)	1 year standard
	PATENTED Training and productivity aids	4,000+ photos, 1,600+ illustrations 400+ videos & animations

Remote Indicator sold separately. For product dimensions, weights and site requirements, please contact your local Hunter Sales Representative.

ALLIANCE SUPPLIES SDN.BHD.

www.alliance-supplies.com | www.alliancesuppliesonline.com.my | info@alliance-supplies.com | T:+606 3338889/8887/8898

Choose the right sensor package for your shop!



Fixed-column configurations fit most service bay applications.



Motorized and manual movable-camera configurations provide a full range of vertical travel for additional lift height.



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.



Floor-mounted overhead configurations are ideal for drive-through bays or to accommodate unique applications.



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

HawkEye Elite[®] alignment sensor and adaptor specifications



Specifications	PATENTED	No metal-to-metal contact with wheel	Standard
		Weight of assembly	6 lbs.
		Profile of assembly	9 inches
		Installation time per wheel	5 seconds
		Rolling compensation style	Forward
		Camera resolution	2,608 x 1,952 (pixels per camera) 20,000,000 (pixels total)
		Track width	80 inches
		Wheelbase	210 inches
		Distance to wall*	66 - 107 inches
		Suggested distance*	99 inches
		Short-bay distance (see site info)*	66 inches
Secondary Measurements		S.A.I. and included angle	✓
		Setback	✓
		Maximum steering angle**	To lock
	PATENTED	Live ride height***	✓
		Wheelbase difference	✓
		Track width difference	✓
		Tread width difference	✓
		Lateral offset	✓
		Rear setback	✓
		Axle offset	✓
Body Measurements	PATENTED	SBDA	✓
	PATENTED	Body angle	✓
	PATENTED	Body wheel offset & setback	✓
	PATENTED	Body roll**	✓
Adjustments	PATENTED	Way Up Way Out WinToe**	✓
	PATENTED	Wheel-Off Adjustment (WinAlign [®] 9 & up)	Optional

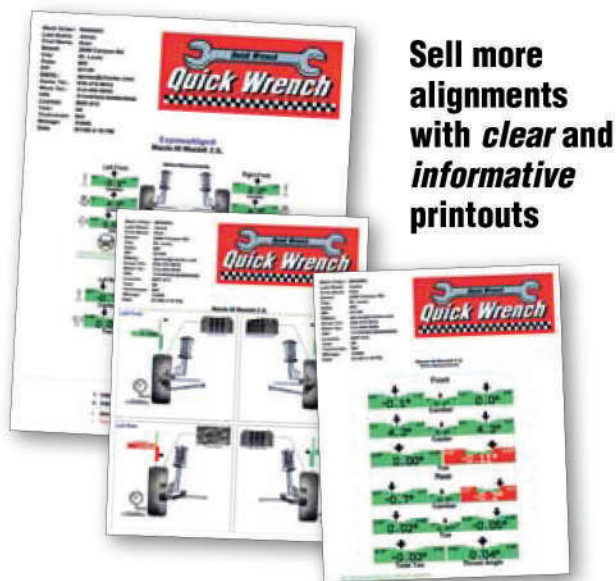
* Refer to site requirements for exact bay specifications.

** Requires standard wide-angle target extensions.

*** Requires Ride Height targets. Standard with WA400 consoles, optional with WA300 consoles.

Increase revenue with Hunter merchandising!

Introduce your wheel alignment capabilities and educate your customers with great Point-of-Sale options from Hunter.



Sell more alignments with *clear and informative* printouts



Customized column cap
Make your alignment bay stand out. Hunter's lighted sensor column cap can be customized with your logo or shop name. (available for most sensor configurations)



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

HUNTER
Engineering Company
www.hunter.com



0412FAP10M.75