HawkEye Elite® Alignment Systems
Greater profit and productivity through innovation
Hunter's latest productivity features!

PATENTED
Revolutionary adaptor design!
- Faster setups!
- No metal-to-metal contact!
- No knob twisting!

PATENTED
Superior target design!
- Lighter design!
- Narrower profile!
- Faster readings!
STANDARD
Recall specs in a snap!
Recall OE specs and vehicle-specific alignment procedures instantly.**

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

NEW
Faster Caster!
Saves time, increases speed and reduces battery drain from brake light draw.

EXCLUSIVE
QuickComp™!
Compensate all wheels and capture initial measurements in one motion.

EXCLUSIVE
New console design!
Integrated storage and charging for popular accessories.*†

PATENTED
Patented steering system reset integration!
Reset computerized steering systems on a wide variety of vehicles with one simple tool.

* Available only on mobile WA600 consoles.
** Standard with WA600 consoles, optional with WA500 consoles.
† Remote Indicator sold separately.
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...

**PATENTED**

**Extremely Fast Installation**
- Spring-loaded arms grip the tire
- Thumb switch secures the clamp
- Off-center clamping has no effect on accuracy

**PATENTED**

**Avoid Damage to Expensive Rims**
- Grips tire, not rim
- No metal-to-metal contact
- Only protective ring contacts rim

**PATENTED**

**Less Weight**
- Weighs only 6 lbs.
- Nearly 50% lighter than previous designs

**PATENTED**

**Space-Efficient Profile**
- Approx. 9" profile
- Easy to work around
- Great for narrow bays
QuickGrip®
wheel adaptors & three-dimensional targets

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

PATENTED
Quick-Change Arms
✓ Interchangeable arms cover up to 37” assemblies
✓ One arm fits approximately 90% of applications

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

PATENTED
Wide-Angle Targets
✓ Perform max steer procedure, as needed

2011 NORTH AMERICAN AUTOMOTIVE TOOL AND EQUIPMENT TECHNOLOGY INNOVATION AWARD
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

10:05 Total

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 Total

Early camera technology improved efficiency...
...Today, present your results in just 70 seconds!

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
- Scan VIN to recall specs and perform faster caster steer
- Vehicle results print automatically

1:10 Total

Fast printouts in 70 seconds!
Use detailed printouts featuring your company’s logo to sell more work.

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

**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

**PowerSlide® system**

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

**Inflation Station**

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

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*Requires FIA lift. See RX or Four-Post lift brochures for details.*
Hunter's Safety System Alignment: Over 50 million vehicles require Safety System Alignment… and growing!

Electronic Stability Control

- Since 2009, Hunter has supported electronic steering system resets as required by the OEM
- Several systems use electronic steering system output to determine the vehicle’s travel direction

A growing number of vehicles also require additional resets

Advanced Driver Assistance Systems

- Many vehicles are now equipped with ADAS
- Many systems require a calibration after wheel alignment
- Often require a short drive be completed as part of the calibration

Source: Hunter Engineering Company research
An increasing number of vehicles include advanced driver assistance systems (ADAS). In addition to a mechanical alignment, manufacturer’s specifications often require a Safety System Alignment on many vehicles equipped with ADAS Systems.

**ADAS systems most likely to require reset**
- Lane Departure Warning (LDW) - Camera-based
- Forward Collision Warning (FCW) - Radar-based
- Adaptive Cruise Control (ACC) - Radar-based

**The only integrated, complete alignment procedure**

CodeLink’s patented integration “links” the vehicle OBD-II system to the aligner to align safety system related sensors to the vehicle’s alignment geometry.

**CodeLink® advantages:**
- Integrated with Hunter WinAlign® systems
- Simple instructions shown on aligner screen
- Only one tool required
- Wireless communication with aligner
- Resets ADAS systems and other related sensors
- Alignment printouts document reset
When it comes to award-winning software, WinAlign® is unmatched!

The importance of software...

- The most extensive vehicle information database for North America's 220 million vehicles.
- Patented and award-winning power tools complete the work accurately the first time, every time.
- WinAlign maximizes profit and productivity in your alignment bay.

New Faster Caster procedure!

- Eliminates wait times during caster steer
- Saves time and increases speed
- Reduces brake pedal depressor installation by 86%
- Reduces battery drain from brake light draw

No more waiting for left, right, and center readings during caster steer

Steer left, right and back center
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

Wheel-Off Adjustment
Speed the alignment process by making adjustments with the wheel removed.*

Available when you need it

* 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 and specialty 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.

Live Ride Height Adjustment
Measure and adjust ride height in real-time.

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

Automatic Bushing Calculator®
Calculate the proper bushing size and position adjustment without wasting time with a zero bushing.

Point & Click Inspection Photos
5,000+ vehicle-specific photos and illustrations to assist your shop.

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

Over 30 million vehicles benefit

Over 10 million light trucks and vans benefit
Help your customers make informed decisions!

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.

WinAlign® Video Library
400+ videos and animations cover all aspects of wheel alignment today.

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

The latest specs available online
Download, access and communicate alignment service information through the Internet.

Enhance your point-of-sale performance
Provide front-shop personnel with quick, convenient access to vehicle-specific undercar information to explain and sell service.
Use your aligner to perform Quick Checks!

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 Safety System Alignment

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

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

20-2813-1 CodeLink*
Retrieves emission codes. Wirelessly transfers important vehicle information to console.

Quick Tread*
Creates a 3D model of the tire and can be easily added to existing Quick Check® inspection systems.

*Requires WinAlign 14.1 software or higher in Quick Check® mode.
# Choose the right alignment console for your shop!

<table>
<thead>
<tr>
<th><strong>WinAlign WA600</strong></th>
<th><strong>Premium consoles</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Processor</strong></td>
<td>3.70 GHz Intel® Core™ i3 (or greater)</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>4 GB of DDR4 RAM</td>
</tr>
<tr>
<td><strong>Hard drive</strong></td>
<td>240 GB Solid State Drive (or greater)</td>
</tr>
<tr>
<td><strong>DVD-RW/CD-RW combo drive</strong></td>
<td>Standard</td>
</tr>
<tr>
<td><strong>Monitor class</strong></td>
<td>24&quot; or 27&quot; widescreen LCD (32&quot; available on large console)</td>
</tr>
<tr>
<td><strong>Wired &amp; wireless network module</strong></td>
<td>Standard</td>
</tr>
<tr>
<td><strong>Operating system</strong></td>
<td>Windows 10 IoT Enterprise</td>
</tr>
<tr>
<td><strong>Three-dimensional target (TD Target™) support</strong></td>
<td>Standard</td>
</tr>
<tr>
<td><strong>Large console with drawers</strong></td>
<td>Standard (with WA68X consoles)</td>
</tr>
<tr>
<td><strong>Compact console with printer drawer</strong></td>
<td>Standard (with WA67X consoles)</td>
</tr>
<tr>
<td><strong>Console-top storage and charging station</strong></td>
<td>Standard (with mobile WA600 consoles)</td>
</tr>
<tr>
<td><strong>Bar Code Reader</strong></td>
<td>Standard</td>
</tr>
</tbody>
</table>

**Industry-leading hardware**

**Award-winning productivity tools**

**PATENTED** Award-winning WinAlign® software | Standard
**PATENTED** Vehicle Info Database (30+ yrs) | Standard (2 years free updates)
**PATENTED** Real-time specs delivered by web | WebSpecs® (2 years standard)
**PATENTED** Steering system reset (integrated) | Yes (with standard CodeLink®)
**PATENTED** Quick Check | 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 | Videos and Photos
**PATENTED** Equipment video help/assistance | Standard
**PATENTED** ShopResults (via ShopResults.NET) | 2 years 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.
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.

One set of adjustable clamp arms covers the same clamping range as standard multi-arm kit.
# HawkEye Elite® alignment sensor and adaptor specifications

## Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>No metal-to-metal contact with wheel</td>
<td>Standard</td>
</tr>
<tr>
<td>Weight of assembly</td>
<td>6 lbs.</td>
</tr>
<tr>
<td>Profile of assembly</td>
<td>9 inches</td>
</tr>
<tr>
<td>Installation time per wheel</td>
<td>5 seconds</td>
</tr>
<tr>
<td>Rolling compensation style</td>
<td>Forward</td>
</tr>
<tr>
<td>Camera resolution</td>
<td>2,608 x 1,952 (pixels per camera)</td>
</tr>
<tr>
<td></td>
<td>20,000,000 (pixels total)</td>
</tr>
<tr>
<td>Track width</td>
<td>80 inches</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>210 inches</td>
</tr>
<tr>
<td>Distance to wall*</td>
<td>66 - 107 inches</td>
</tr>
<tr>
<td>Suggested distance*</td>
<td>99 inches</td>
</tr>
<tr>
<td>Short-bay distance (see site info)*</td>
<td>66 inches</td>
</tr>
</tbody>
</table>

## Secondary Measurements

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Include</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.A.I. and included angle</td>
<td>✓</td>
</tr>
<tr>
<td>Setback</td>
<td>✓</td>
</tr>
<tr>
<td>Maximum steering angle**</td>
<td>To lock</td>
</tr>
<tr>
<td>Live ride height***</td>
<td>✓</td>
</tr>
<tr>
<td>Wheelbase difference</td>
<td>✓</td>
</tr>
<tr>
<td>Track width difference</td>
<td>✓</td>
</tr>
<tr>
<td>Tread width difference</td>
<td>✓</td>
</tr>
<tr>
<td>Lateral offset</td>
<td>✓</td>
</tr>
<tr>
<td>Rear setback</td>
<td>✓</td>
</tr>
<tr>
<td>Axle offset</td>
<td>✓</td>
</tr>
</tbody>
</table>

## Body Measurements

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Include</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBDA</td>
<td>✓</td>
</tr>
<tr>
<td>Body angle</td>
<td>✓</td>
</tr>
<tr>
<td>Body wheel offset &amp; setback</td>
<td>✓</td>
</tr>
<tr>
<td>Body roll**</td>
<td>✓</td>
</tr>
</tbody>
</table>

## Adjustments

<table>
<thead>
<tr>
<th>Adjustment</th>
<th>Include</th>
</tr>
</thead>
<tbody>
<tr>
<td>Way Up Way Out WinToe**</td>
<td>✓</td>
</tr>
<tr>
<td>Wheel-Off Adjustment</td>
<td>Optional</td>
</tr>
</tbody>
</table>

* Refer to site requirements for exact bay specifications.

** Requires optional wide-angle target extensions.

*** Requires Ride Height targets. Standard with WA600 consoles, optional with WA500 consoles.
Introduce your wheel alignment capabilities and educate your customers with great Point-of-Sale options from Hunter.

Increase revenue with Hunter merchandising!

Sell more alignments with clear and informative printouts

STANDARD
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.