HawkEye Elite® Alignment Systems
Greater profit and productivity through innovation
NOW AVAILABLE WITH PUSH REPORTS
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!

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

Patented Safety System Alignment 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.

NEW HunterNet™ connectivity!
Automatic push reports plus online business intelligence tools.

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

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

* Standard with WA600 consoles, optional with WA500 consoles.
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

NORTH AMERICAN AUTOMOTIVE TOOL AND EQUIPMENT TECHNOLOGY INNOVATION AWARD 2011
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

**Activity Tracker**
- 1 trip around the vehicle
- 0 trips to the console
- 72 total walking steps

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

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

PATENTED

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

PATENTED

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

PATENTED

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

Requires FIA lift. See RX or Four-Post lift brochures for details.
**Hunter's Safety System Alignment:**

Over 95 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
Hunter's Safety System Alignment: The last step in alignment service

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

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.

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.

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

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.

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

* 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.

WinAlign® Video Library
400+ videos and animations cover all aspects of wheel alignment today.
Help your customers make informed decisions!

Push Reports
✓ Automatic performance snapshots delivered daily via email or text
✓ Easy-to-understand report measures output and achievements
✓ Track alignment conversions, balancing utilization and inspection opportunities

Your online business intelligence tool
HunterNet™ allows shops to obtain real-time data through connected equipment results, trends and management reports.
✓ Easily track alignment activity and generate reports
✓ Cloud storage eliminates multiple paper printouts
✓ Email Quick Check® and alignment results, photos and videos to customers
✓ Access the latest alignment specifications and adjustment info online with WebSpecs®

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

HunterNet™ connectivity empowers you to make data-driven decision to increase your productivity and profitability
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

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

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

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

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!

WinAlign WA600
Premium consoles

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>3.70 GHz Intel® Core™ i3 (or greater)</td>
</tr>
<tr>
<td>Memory</td>
<td>4 GB of DDR4 RAM</td>
</tr>
<tr>
<td>Hard drive</td>
<td>240 GB Solid State Drive (or greater)</td>
</tr>
<tr>
<td>DVD-RW/CD-RW combo drive</td>
<td>Standard</td>
</tr>
<tr>
<td>Monitor class</td>
<td>24” or 27” widescreen LCD (32” available on large console)</td>
</tr>
<tr>
<td>Wired &amp; wireless network module</td>
<td>Standard</td>
</tr>
<tr>
<td>Operating system</td>
<td>Windows 10 IoT Enterprise</td>
</tr>
<tr>
<td>Three-dimensional target (TD Target™) support</td>
<td>Standard</td>
</tr>
<tr>
<td>Large console with drawers</td>
<td>Standard (with WA68X consoles)</td>
</tr>
<tr>
<td>Compact console with printer drawer</td>
<td>Standard (with WA67X consoles)</td>
</tr>
<tr>
<td>Console-top storage and charging station</td>
<td>Standard (with mobile WA600 consoles)</td>
</tr>
<tr>
<td>Bar Code Reader</td>
<td>Standard</td>
</tr>
<tr>
<td>Award-winning WinAlign® software</td>
<td>Standard</td>
</tr>
<tr>
<td>Vehicle Info Database (30+ yrs)</td>
<td>Standard (2 years free updates)</td>
</tr>
<tr>
<td>Real-time specs delivered by web</td>
<td>WebSpecs® (2 years standard)</td>
</tr>
<tr>
<td>Steering system reset (integrated)</td>
<td>Yes (with standard CodeLink®)</td>
</tr>
<tr>
<td>Quick Check</td>
<td>Standard</td>
</tr>
<tr>
<td>Live Ride Height adjustment</td>
<td>Standard</td>
</tr>
<tr>
<td>Fully Integrated Alignment</td>
<td>Yes (FIA-equipped lift required)</td>
</tr>
<tr>
<td>Modified vehicle alignment</td>
<td>Yes (with standard WinAlign Tuner)</td>
</tr>
<tr>
<td>Vehicle inspection with photos</td>
<td>Standard</td>
</tr>
<tr>
<td>Tools &amp; Kits</td>
<td>Videos and Photos</td>
</tr>
<tr>
<td>Equipment video help/assistance</td>
<td>Standard</td>
</tr>
<tr>
<td>ShopResults (via ShopResults.NET)</td>
<td>2 years standard</td>
</tr>
<tr>
<td>Training and productivity aids</td>
<td>4,000+ photos, 1,600+ illustrations, 400+ videos &amp; animations</td>
</tr>
</tbody>
</table>

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

Large console

Compact console

Wall-mount console
Choose the right sensor package for your shop!

Fixed-column configurations fit most service bay applications.

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

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

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

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**

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

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

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

<table>
<thead>
<tr>
<th>Adjustments</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PATENTED</strong></td>
<td>Way Up Way Out WinToe**</td>
<td>✓</td>
</tr>
<tr>
<td><strong>PATENTED</strong></td>
<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

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.