

Hunter Highlights

Year-End Review of New Products

New Hunter Digital Imaging Alignment Systems Approved by German Automakers



The German Automakers BMW Group, DaimlerChrysler AG and Volkswagen AG have each approved customized Hunter digital imaging alignment systems for use in their dealership service operations worldwide. The BMW KDS II-Plus, Mercedes-Benz HTA-MB-R, and V.A.G VAS 6292 are all Hunter Series 811-based alignment systems with DSP600 Digital Imaging Alignment Sensors and WinAlign® software customized to fit each of the automaker's specific needs. Hunter's DSP600 Sensors are engineered to be a cost-effective, long-term investment, excelling in areas of speed, durability, ease of use and versatility.

Newest WinAlign® Software Adds Features and Capabilities to Meet Specific OEM Requirements and Speed Alignment

The newest version of Hunter's award winning WinAlign® alignment software adds features and capabilities to speed and simplify wheel alignment.

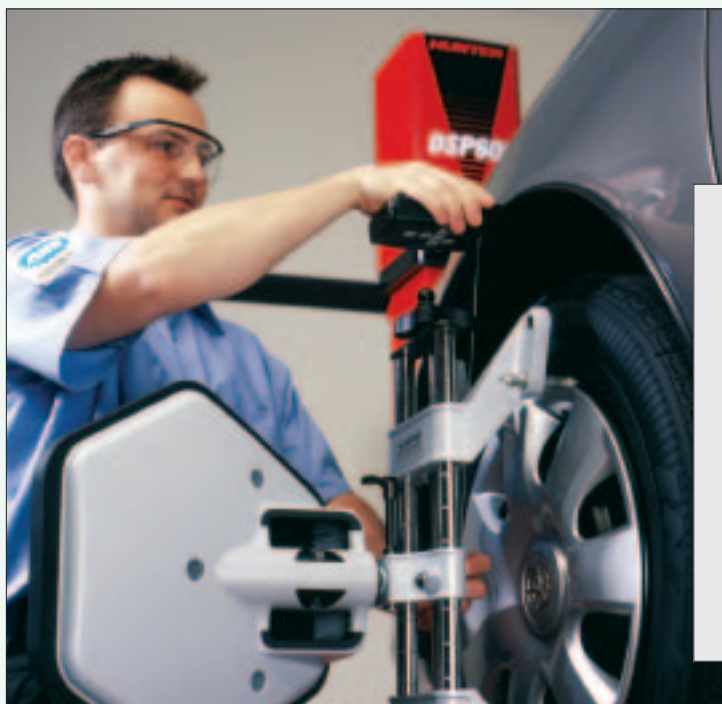
- The SoundGuide™ tone feedback feature uses sound prompts to guide the technician through the alignment, eliminating the need to view the console screen.
- The ALLDATA Undercar option is now more tightly integrated with WinAlign software, eliminating the need for an extra kit to enable the feature. (ALLDATA Undercar is available the first year without charge with each new Hunter 811 Alignment System.)
- Customized WinAlign software meets the strict requirements of German automakers BMW Group, DaimlerChrysler AG and Volkswagen AG. Enhancements include custom vehicle information databases and the ADR and ACC radar-based active cruise control adjustment for Volkswagen AG vehicles.

Other features expand WinAlign software capabilities to support new vehicle designs, OEM requirements, service procedures and shop conditions.



SoundGuide, a new feature of Hunter's WinAlign® software, uses sound prompts to guide alignment and adjustment procedures.

Hand-Held Ride Height Remote Provides Exact Measurements in Seconds



Hunter's Hand-Held Ride Height Remote is a flexible and quick way to take vehicle ride height measurements. It works by simply extending the tool's integrated measuring cable between two measurement points and touching the transmit button. The value is instantly transmitted to the aligner console and displayed on the monitor. The remote function lets the operator control the procedure without having to return to the console.



The Hand-Held Ride Height Remote is accurate to within one millimeter.

New Wheel Adaptor Design Provides Extended Range Needed for Today's Specialized and Oversized Wheels

Hunter's new Self-Centering Wheel Adaptor accommodates the widest variety of wheel configurations and sizes. It fits rims ranging from 10 to 24.5 inches in diameter, or up to 28 inches with optional extensions. It accommodates a full range of wheel types – from standard steel rims to custom aftermarket wheels to specialty rims with run-flat and flange-guard tires. It provides firm, even clamping pressure to accurately secure alignment instruments while protecting the wheel face. The new adaptor is standard with DSP600 Digital Imaging Sensor targets and DSP500 Electronic Sensors.



Optional extensions snap into place providing a safe, rigid clamp for wheels up to 28 inches in diameter.

Mobile Sensor Storage Keeps Order in Alignment Bay

Hunter's Sensor Storage Cart can help technicians work more efficiently, save valuable floor space and protect alignment equipment from damage. The cart provides quick, convenient access to alignment tools when they are needed and efficient storage when they are not.



The storage cart fits DSP600 targets or DSP500 sensors and additional sensor accessories.



GSP9700 Upgrades Adapt to Market Trends

Upgrade packages for all GSP9700 Road Force Measurement® System models offer reduced cycle time and the ability to service a wider range of wheel sizes.

- **Adjustable-Length Inside Dataset® Arm handles extreme custom and oversize wheels up to 30 inches!**

This makes runout measurement and placement of clip-on or adhesive weights possible on extreme custom and oversize wheels.

- **QuickMatch™** software feature can reduce cycle time by up to 50 percent when “quick-matching” tires using loaded radial runout. This is a fast, repeatable and fully automatic feature that functions during the balance spin.

Upgrades available for all GSP9700 models allow shops to capture more revenues by servicing the newest custom and oversize wheel designs.



GSP9600 Offers QuickMatch™ Match-Mounting in a Mid-Range CRT Balancer



The GSP9600 load roller places up to 300 lbs. of force against the wheel assembly as it turns.



Dataset® Arms improve the accuracy and speed of data entry and weight placement, and measure lateral and radial rim runout.

Mid-range GSP9600 CRT interface wheel balancers use graphic displays to instruct the operator and speed advanced balancing procedures – an especially useful feature for custom wheel service.

The GSP9600 QuickMatch™ CRT balancer measures the footprint of a tire for loaded runout and eccentricity. Step-by-step match-mounting instructions to help eliminate wheel-related vibration are then provided on the CRT.

The GSP9600 QuickMatch balancer borrows features from Hunters more advanced GSP9700 Road Force Measurement® System, merging proven technology and value to provide basic match-mounting service

For shops seeking a CRT balancer without match-mounting capabilities or load roller, the GSP9600 CRT is available.

New Hunter OCL400 On-Car Brake Lathe Features Include Anti-Chatter Machining

The OCL400 On-Car Brake Lathe uses exclusive Hunter technology and patented features to cut rotors faster, provide a higher quality finish and handle a wider range of vehicle types.

- **ACT (Anti-Chatter Technology)*** eliminates vibration buildup (chatter) when machining rotors at a fixed speed. The ACT feature oscillates the machining speed during the cut. The smoother finish prevents noise and pedal pulsation – the primary cause of brake service complaints.
- **ServoDrive™ Variable Spindle Speed*** lets operators vary speed and rotational torque during compensation and machining. Rotors can be cut in half the time it takes other lathes.
- **Pro-Comp™ Computerized Compensation** Provides lateral runout compensation by simply pushing a button and making a single adjustment. A digital readout verifies the adjustment.



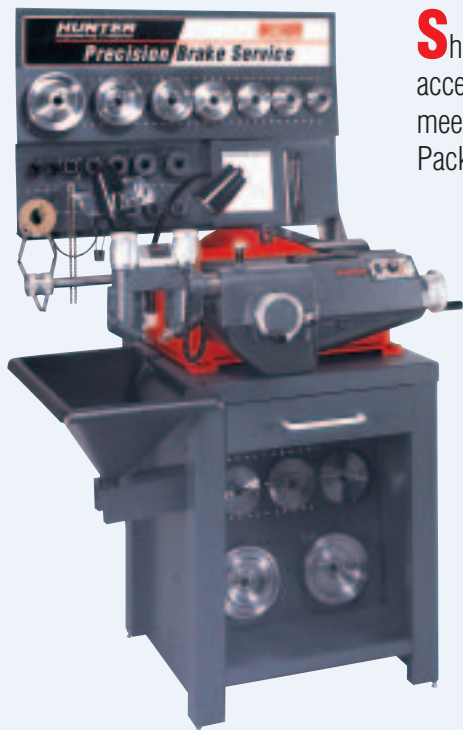
Also in
2004...

Sears Selects Hunter OCL400

After a rigorous six-month evaluation, Sears Automotive Group chose Hunter's OCL400 On-Car Lathe for brake service at its U.S. automotive service locations.

*Patents Pending

HunterPro™ Lathe Packages Match Equipment to Shop's Exact Service Needs



Shops can now purchase Hunter brake lathes, accessories and adaptors in packages designed to meet specific service requirements. HunterPro™ Packages and Kits for BL500 and OCL series brake lathes help shop managers ensure that they are properly equipped without having to select equipment and accessories individually. HunterPro lathe and accessory packages as well as adaptor and accessory packages are assembled to best fit the vehicle types, makes and models a shop plans to service.



DSP506T Sensors Increase Service Capability of Heavy-Duty Alignment Systems

Newly released Hunter DSP506T electronic alignment sensors for heavy-duty trucks incorporate advanced design features that can help technicians work faster with more accuracy, avoid downtime, and earn more alignment profits. New DSP506T features and capabilities include:

- **Lightweight, rugged design:** The sensors use fewer components, electrical connections, wires and wearing parts.
- **Extended time of cordless operation:** Rechargeable batteries for optional cordless models are smaller and have a longer life. Exhausted batteries can be “hot swapped” without losing compensation measurements.
- **Extended range of cordless operation, high-speed communication:** Low-power XF-Radio communication operates in shops with restricted line-of-sight between sensor and console, and in shops with multiple aligners operating side-by-side.



DSP506T Sensors are shown above with standard wheel adaptors. An optional hub center adaptor is available for specialty and hard-to-mount wheels. Hunter's complete line of heavy-duty service products includes alignment systems, racks and tire changers.



DSP506T Sensors are matched with Hunter's Series 811T console for fast, easy alignment service. The 811T combines exclusive Hunter WinAlign®HD software and a Microsoft® Windows®XP operating system to deliver high-performance alignment capability for heavy-duty truck, trailer and bus applications.

TC2450HD Tire Changer for Heavy-Duty Truck Wheel Service

The new Hunter TC2450HD Heavy-Duty Truck Tire Changer does the hard work of wheel service operations, placing fewer stresses on the tire, rim and operator and dramatically reducing the time required to change the tire. A high production shop can keep one technician changing tires all day without the fatigue associated with traditional tire changers.

The TC2450HD employs a unique bead roller system with two independently controlled hydraulic arms for bead loosening and mounting/demounting – a highly versatile system that handles a wide range of tire and wheel types. The unit's chuck spindle lifts the wheel to the proper service height and lowers it to the floor when service is complete.

The TC2450HD's user-friendly control console allows free movement around the wheel during service operations. Its bead roller system automates many of the manual steps required with traditional mounting/demounting techniques.



W811-19-T Wall-Mount Console Option Ideal for Mobile Heavy-Duty Wheel Alignment Operators



The W811-19-T aligner console, a new option for Hunter's heavy-duty truck wheel alignment system, is an ideal solution for mobile alignment service vans or crowded service bays where maximum service capability is required, but space is limited. The console's wall-mount capability makes a minimum imposition on floor space, yet offers all of the alignment system features available with the standard Series 811T console configured with mobile cabinetry options. Standard W811-19-T features include a 19-inch UVGA color monitor, lockable computer storage space and a color printer.

When floor space is limited the W811-19-T heavy-duty aligner console mounts to any appropriate solid vertical wall or post.

SS100 and SS100T Sideslip Meters ***Add Computing and Software Power***

Hunter has redesigned its sideslip meters to incorporate the same robust, proprietary computer console hardware and operating software used in its wheel alignment systems. The SS100 for passenger cars and SS100T for heavy-duty trucks are now available with a Hunter Series 811 or Series 511 console. With a simple 30-second drive-through test, the



Above, the SS100 displays vehicle sideslip on the Windows-based computer console screen. Left, the SS100T handles heavy-duty trucks as well as passenger cars.



SS100 or SS100T measures for excessive wheel sideslip caused by misalignment or worn or damaged parts. Results are available on console screen in seconds. A color printer is standard with all sideslip meters, providing a high-impact tool for increasing customer repair authorizations.

RX-DC Lift Meets Specific Requirements for Aligning Mercedes-Benz Vehicles



Hunter's new RX-DC combines features designed to meet the strict requirements for aligning Mercedes-Benz vehicles with Hunter's space-saving RX scissor-lift configuration. The resulting large capacity scissor lift requires less shop floor space than Mercedes-Benz approved four-post lifts and offers a range of features that are designed to increase wheel alignment efficiency and speed.

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