

# ***HTA-MB Wheel Alignment Systems***

***Customized for Aligning All Mercedes-Benz Vehicles***

***Mercedes-Benz – Approved  
Hunter Performance Features  
Save Time and Effort ...***



asanetwork

***HUNTER***  
Engineering Company

# Mercedes-Benz HTA-MB-R Wheel Alignment Systems Approved Equipment for All Mercedes-Benz Workshops

**H**unter has designed the Mercedes-Benz HTA-MB-R wheel alignment systems to meet the specific requirements of Mercedes-Benz workshops and provide superior high-precision alignment on all passenger cars, SUVs and light commercial vehicles. A customized version of Hunter's WinAlign® alignment software has been designed to meet the specifications of Mercedes-Benz vehicles.

## ■ Customized Alignment Software

The customized WinAlign alignment software guides the Mercedes-Benz technician through a simple, vehicle-specific alignment process with step-by-step instructions and clear, concise graphics. The work sequence is so flexible that it is possible to move to another part of the program at any time.

## ■ Complete Mercedes-Benz Model Support

Hunter's customized WinAlign alignment software includes new alignment procedural steps necessary for proper wheel alignments on all Mercedes-Benz models.



**The Mercedes-Benz customized WinAlign alignment software provides easy-to-follow vehicle-specific procedures to simplify alignment service.**



## Mercedes-Benz HTA-MB-R

### Speed

- Mount targets
  - View measurements
- It's that quick!**



**Complies With  
All Mercedes-Benz  
Adjustment  
Requirements**

## **-R Wheel Alignment System Offers:**

### **Durability / Low Long-Term Cost of Ownership**

- No electronics at the wheel; no electronic circuitry to damage if targets are dropped
- No moving parts and virtually maintenance-free
- No batteries

### **Ease of Use**

- Wide field of view
- Vehicle can be raised to a comfortable working height for adjustment
- No cables or electronic signals between the targets and the console
- No need to install spoiler adapters. No need to remove or adjust targets during the alignment procedure.

# Mercedes-Benz HTA-MB-R Wheel Alignment System uses Digital Imaging Sensors

Hunter HawkEye Digital Imaging Alignment Sensors offer speed, durability, ease of use and are engineered to provide low long-term cost of ownership. HawkEye Sensors have no electronics at the wheel, no batteries and no moving parts. Four high-resolution digital video cameras continuously measure wheel position and multi-dimensional modeling provides accurate, high-speed alignment measurements.



Lightweight durable targets are easy to install.



## Alignment Targets

Patented, lightweight targets have no electronic circuitry to damage if dropped and require no calibration, making them virtually maintenance-free.

Targets have no electronics to damage if dropped.

## Alternative Sensor Configurations



The wall-mount HS401WM5MBE is designed for straight or herringbone bay applications. This configuration is also easily adapted to mount from the ceiling.



The HS401FM5MBE floor-mounted overhead camera configuration is suitable for drive-through applications.

# HTA-MB-E Wheel Alignment System With DSP500 Sensors



## Enhanced Reliability

- Instantaneous data transfer between sensors and alignment console.
- Sturdy construction reduces potential damage to sensor.
- “Foolproof” locking mechanism prevents movement after mounting.
- Optional DSP508-E sensors feature eight toe transducers for total around-the-car Cal-Check® toe calibration checking.

## Ease of Use

- Optional DSP506XF-E or DSP508XF-E cordless sensors remove hassle of connecting cables.
- Cordless sensor batteries provide a full day of continuous operation and are “hot-swappable”, ensuring measurements are not lost during battery replacement.
- Quick, precise measurement readings
- Fast, simple sensor calibration



**Optional DSP508XF-E Cordless Sensors\* provide high-speed data communication without the extra service time associated with cable connectivity.**

# Mercedes-Benz Console Options

## HTA-MB-R Equipment Package\*

### Alignment Group includes:

- Mobile cabinet
- (4) Storage Shelves for MB wheel adaptors + HawkEye targets
- Configured computer (specification listed below)
- Color LCD monitor (17-inch minimum)
- Keyboard with protective cover
- Mouse pointing device
- HawkEye Sensor Group
- HawkEye Supercable
- (2) Heavy-duty mechanical turnplates with protective covers
- Interface and storage panel for Romess Inclinator
- Speaker and volume control for multimedia features
- Color Inkjet Printer
- Operation Manual

### Computer Specifications:

#### Hardware:

- Intel Pentium Dual Core Processor (1.8 Ghz Minimum)
- 1 GB RAM DDR2 (minimum)
- 80 GB Hard Disk Drive (minimum)
- DVD/CD-ROM Drive
- Integrated Network Card
- Integrated Video Card
- Integrated Sound Card
- USB Port Interface (for Romess inclinometer)
- Six USB 2.0 Ports (Two on front, four on back)

#### Language-Specific Software Package Including:

- Microsoft Windows Vista Operating System
- Latest WinAlign® Mercedes-Benz Software Version
- Mercedes-Benz Vehicle Specification Database
- Vehicle Specification Data for Non-Mercedes Vehicles\*  
\*(Including free updates for two consecutive years)
- User-Programmable Vehicle Specification Database
- User-Programmable Factory Specification Amendments
- Vehicle Adjustment Illustrations with Instructions
- Digital Photos for Adjustment and Inspection
- Digital Videos for Adjustment and Inspection
- Work Management Database
- Vehicle Inspection Program
- Customer Database with Archive of Vehicle Measurements
- Hard Disk Drive Restoration Software
- ASA-Network compatibility



**HTA-MB-R Console  
Shown with  
HawkEye High-Definition Targets  
and optional MB Quick Clamp  
Adaptors**



**HTA-MB-E Console  
Shown with  
DSP508-E Sensors  
and optional MB  
Quick Clamp  
Adaptors**

## HTA-MB-E Equipment Package\*

### Alignment Group includes:

- Mobile cabinet
- (4) Storage Shelves for MB wheel adaptors + DSP500 sensors
- Configured computer (specification listed below)
- Color LCD monitor (17-inch minimum)
- Keyboard with protective cover
- Mouse pointing device
- (4) DSP506-E or DSP508-E Sensors – Data transmission via wireless radio frequency communications or with cables.
- (4) Sensor cables
- (2) Heavy-duty mechanical turnplates with protective covers
- Interface and storage panel for Romess Inclinator
- Speaker and volume control for multimedia features
- Color Inkjet Printer
- Operation Manual

### Computer Specifications:

Same as listed with HTA-MB-R

\* All new configurations include a 3-year warranty on PC and installed components.  
(Note: Does not include self-centering adaptors nor MB Special Adaptors)

# Lift Options

## RX DCE

RX Scissor MKS Alignment Rack, 4,990 kg (11,000-lb.) capacity, open front and rear, with (one) 2,722 kg (6,000-lb.) capacity swing air jack



**RX DCE**  
Shown with optional second swing air jack

## RX DC-PE

RX DCE flush mount for low-clearance vehicles. Same as RX DC except no clip-on movable worksteps included.

RX Scissor MKS Alignment Rack Includes:

- MKS Alignment Sensor/Target Brackets
- Harting Rack Wiring Kit
- Low-Profile 2-Stage Ramps suitable for SLR Sports Car
- (one) MKS Jack Adaptor and storage bracket
- 2,032 mm (80-in.) long full-floating slipplate with PowerSlide® central locking system
- Built in 50mm deep turnplate pockets
- Fast raise time
- Integrated Air Line Kit
- Standard lubricator / air filter with auto drain
- Clip-On Movable Workstep
- Built in rub rails

Optional Jacks for Scissor Alignment Rack (RX DCE):

(one) 6,000-lb. (2,722 kg) capacity swing air jack is standard. Other jacks may be substituted. A second jack of any type may be added.

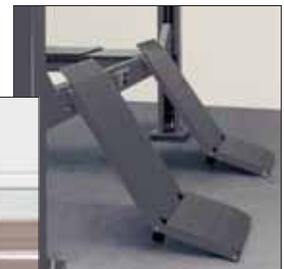
6,000-lb. (2,722 kg) capacity swing air jack

4,500-lb. (2,041 kg) capacity swing air jack

4,500 lb. (2,041 kg) capacity air-actuated power jack



**MKS Alignment Sensor Brackets and Harting Rack Wiring Box**



**Low-Profile 2-Stage Ramps**



**MKS Jack Adaptor**

## 4P DC

4-Post MKS Alignment Rack, 5,443 kg (12,000 lb.) Capacity, Closed Front, with (1) 3,629 kg (8,000 lb.) Capacity Swing Air Jack

4-Post MKS Alignment Rack Includes:

- MKS Alignment Sensor Brackets
- Harting Rack Wiring Kit
- Low-profile 2-Stage Ramps suitable for SLR Sports Car
- (one) MKS jack adaptor and storage bracket
- 2,032 mm (80-in.) long full-floating slipplate with spacer kit installed and tethered lock pins
- Built in 40 mm turnplate pockets
- Fast raise time
- Integrated Air Line Kit
- Standard lubricator / air filter with auto drain
- Clip-On Movable Workstep
- Built in rub rails



**4P DC**  
(Shown with optional turnplates)

Optional Jacks for 4-Post Alignment Rack (4P DC):

(one) 3,629 kg (8,000-lb.) capacity swing air jack is standard. Other jacks may be substituted. A second jack of any type may be added.

3,629 kg (8,000-lb.) capacity swing air jack

2,041 kg (4,500 lb.) capacity swing air jack

2,041 kg (4,500 lb.) capacity air-actuated power jack

RX DCE and 4P DC Lifts are equipped to operate at one of the following power configurations. Please specify the desired power supply configuration when placing your order:

- 230 V, 1 Ph, 60 Hz
- 230 V, 1 Ph, 50 Hz
- 400 V, 3 Ph, 50 Hz

# Optional Accessories

## Exclusive Easy-to-Use Features Provide Greater Versatility and Extra Durability

Specialized Mercedes-Benz wheel adaptors have new longer tire hooks that easily reach around the tread blocks of Mercedes-Benz vehicles equipped with performance tires. The long hooks are also useful on models that have tight gaps between the tire and wheel opening. The lower profile of the long hooks enable them to stay close to the tire.

### Mercedes-Benz Quick Clamp Wheel Adaptor 175-349-1

Mount quickly and easily to Mercedes-Benz tire/wheel assemblies to speed setup and reduce overall alignment time (4 required).



### HawkEye-Series Adaptor 175-325-1

For servicing vehicles other than Mercedes-Benz. Patented Alignment Targets remain centered while the technician clamps the adaptor to wheel rims. 10 to 24.5 inch clamping range. (4 required)



### DSP500-Series Adaptor 175-321-1

Hunter's conventional DSP500 Alignment Sensors remain centered while the technician clamps the adaptor to wheel rims. 10 to 24.5 inch clamping range. (4 required)



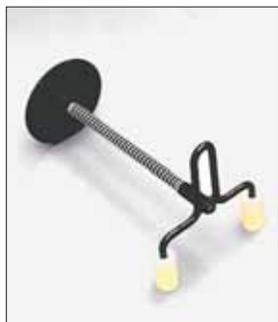
### Plus Wireless Remote Indicator 30-418-1-X-XF

Display provides graphic indication of live measurements. View measurements with touch of a key.



### Handheld Remote Control 146-55-1

Remote control with zoom, to control alignment procedure when away from the console.



### Steering Wheel Holder 28-75-1



### Brake Pedal Depressor WA15-S

### Toe Presser Bar RP6-88-9188



### Offset Adaptor Kit 20-1913-1

Used with DSP500 Sensors to move sensors clear of spoilers or other obstacles on the vehicle that can obstruct the transverse toe transducer light beam.

Visit our Web site at [www.hunter.com](http://www.hunter.com)

# HUNTER

Engineering Company

11250 Hunter Drive, Bridgeton, MO 63044  
1-314-731-3020 • FAX: 1-314-731-0132  
e-mail: [international@hunter.com](mailto:international@hunter.com)

WinAlign® Alignment Software upgrades may require additional and/or upgraded hardware. Because of continuing technological advancements, specifications, models and options are subject to change without notice.