

# Beissbarth workshop equipment

recommended by Daimler AG



- Workshop equipment for excellent service
- Assured product quality according to QMW 1.0
- Worldwide service guarantee

## 5-star quality ratings – for high service professionalism



Beissbarth takes possible technological adaptation of existing devices and / or utilisation of existing device components into the equation when designing new equipment in order that your service centre achieves maximum profitability. The quality of Beissbarth products is subject to stringent factory checks and specifications set out by official German inspection authorities. The production process at Beissbarth has been DIN EN ISO 9001-2000 certified for many years. „Made in Germany“, with worldwide recommendation by Mercedes-Benz .

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# Brake tester BD 620 speed – all necessary extras included



BB-No: 935 600 112

**Standard:**

Electromagnetic brakes  
for gentle drive-off.

**Standard:**

Super-automatic mode  
with drive-off aid.

**Standard:**

Test Program for  
Electronic Parking Brakes.

## Detailed information

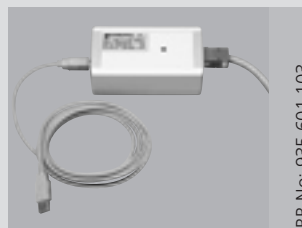
- BNET technology guarantees networking capability and trouble-free connection to a client PC or subsequent upgrading of test lanes with chassis testers and sideslip testers
- Super-automatic mode for programmed test procedures through to automatic drive-off support
- Measurement routine for testing electro-mechanical parking brakes
- IR remote control for individual testing and manual workstation operation
- Roller set with electromagnetic brakes as drive-off support
- Standard LCD display for digital measurement value
- Fully hot-dip galvanized, compact floor units ensure long value-retention
- Roller sets with plastic corundum coating take care of the wheels
- Plug and play: automatic configuration of the test bench at the push of a button
- Worldwide approval by certification authorities such as TÜV and DEKRA

## Add-ons and Special Accessories



BB-No: 935 701 023

PC-cabinet with PC, 17" TFT-monitor, mouse to illustrate PC visualisation.



BB-No: 935 601 103

BNET PC connection for client PC (USB) incl. printing and archiving software.



BB-No: 935 602 620

Retrofitting of vehicle tester with noise diagnostics.

# Wheel Alignment on the safe side – with standard measuring site control system



The sensors are manufactured from tough, impact-resistant plastic and are extremely practical to use.

## Detailed information measurement system

- For professional measurement according to Mercedes-Benz specifications
- Networking and multimedia-capable Windows operating system
- ASA-interface as standard
- Retrofittable with additional original vehicle manufacturer measurement routines
- Measurement display and full operator information via 19" TFT monitor
- 8-point track transmitter system for a 360° measurement field (important for vehicles which have been involved in an accident)
- Permanent precision control of the device
- Convenient runout compensation
- 20° CCD camera technology for maximum precision of tracking, camber and all other measurement variables
- Vehicle reference database with original Mercedes-Benz data and over 20,000 records from more than 65 vehicle manufacturers



BB-No: 932 500 049

## Wheel Alignment system ML 81 TECH with wireless data transfer

- Short set-up times, wireless measurement
- Sensors with automatic charging via lock pins

## Special Accessories



BB-No: 933 801 267

Mercedes-Benz quick clamping unit up to 23".



BB-No: 932 401 111

Multi-quick clamping devices up to 23".



BB-No: 932 402 092

Clamping sleeve set of aluminium, 12 pieces.



tem



BB-No: 169 050 012

### Wheel Alignment system ML 5001 with wireless data transfer

- Short set-up times, wireless measurement
- Sensors with exchangeable batteries
- For third-party vehicles and third-party rims:  
standard runout compensation with ballbearing  
knock-out spindle and light barrier



Extra precision for both models as standard:  
the Mercedes-Benz measuring site control system.

### Technical data

Vehicle storage locations:	unlimited
Texts appear in the programmed national language	
Clamping system:	
MB quick clamping unit	working range car - 23"
Turntables / sliding bases:	
Load-bearing capacity	1,000 kg
Wireless system	Multi-channel system
Power supply	220 - 230 V / 110 - 115 V
Frequency	433 MHz (2.4 GHz)
Performance	0.5 kW
Fuse	3.15 A (slow acting)
(other connections upon request)	

We retain the right to modify technical specifications and equipment. Images may contain optional extras.



ASE 411 299 00 000

Precision spoiler adapter  
with spirit level, four pieces  
in case.



BB-No: 982 507 179

Car & van target data,  
complete on DVD.



BB-No: 977 141 030

Romess inclinometer.

# Wheel Balancers – the right choice for every tyre capacity



BB-No: 761 825 051

## MT 825 D

- Eleven balancing programs with automatic measuring procedures
- Easyfit-data arm to record rim spacing and Ø
- Measurement value display with dual LED monitor and LED orientation arrows
- Pedal brake for fixing the machine shaft



BB-No: 761 845 101

## MT 845 AD

Features as per MT 825 D model, but different:

- Easyfix® data arm to record rim spacing, rim width and rim diameter
- The Easyfix® data arm stops at the balanced position to facilitate balancing weight positioning
- Wheel weight up to 70 kg

## Special Accessories



BB-No: 931 141 030

Mercedes-Benz  
hub centering flange.



BB-No: 931 143 062

Spacers for wide rims  
with large press-fit depths.



BB-No: 931 141 017

Centering disk for clamping  
heavy wheels.



BB-No: 931 141 071

Tilting wheel bolt flange  
for closed wheels.



BB-No: 761 866 101

### MT 865 ADT

- Interactive user guidance via raised LCD screen with integrated membrane keypad
- Automatic measurement procedure with wheel braking ratio display of imbalance data
- Easyfix® data arm to record rim spacing, rim width and rim diameter
- The Easyfix® data arm stops at the balanced position to facilitate balancing weight positioning
- 11 balancing programs for passenger cars, light trucks and motorcycles
- Additional integrated match program
- Split program for accurate positioning of weights behind the spokes



BB-No: 761 885 001

### MT 885 ADP

Technical equipment as per MT 865 ADT and:

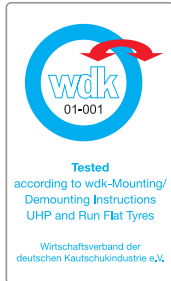
- Interactive user guidance via raised LCD screen with integrated Action Centre
- Hub centering flange with pneumatic quick-clamping
- Pneumatic wheel lift for heavy wheels
- Convenient, fully-automated rim width sensing via laser
- Easyfix® data arm to record rim diameter and spacing
- Automatic procedure with braking and positioning in order to facilitate easy attachment of weights
- Excellent precision thanks to concentricity and symmetrical analysis

### Technical data

	MT 825 D	MT 845 AD	MT 865 ADT / ADPT	MT 885 ADP
Rim widths up to	16"	20"	20"	20"
Max. wheel width	500 mm	508 mm	508 mm	508 mm
Rim diameter	8-26"	10-26"	10-26"	10-26"
Max. wheel diameter	820 mm	900 mm	1,050 mm	1,050 mm
Max. wheel weight	65 kg	70 kg	70 kg	70 kg

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# Tyre Changers – for all wheels. With wdk certification.



BB-No: 766 650 643

## Technical data

External rim clamping	10" - 26"
Internal rim clamping	12" - 28"
Motorcycle, quad and scooters with accessories	8" - 24"
Rim width	3" - 14"
Max. wheel diameter	1,000 mm
Hydraulic force max.	2,500 kp

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## MS 65 RAC.NG

- Tested and awarded with approval certificates according to wdk fitting instructions for UHP and runflat tyres as well as for all standard tyre types
- Integrated pneumatic tyre changer with 4-way adjustable opening width and adjustable pressure paddle in 3 longitudinal positions
- Pneumatic 4-claw clamp up to max. 20" external clamping
- The insertable clamping jaws enable additional adjustment for 22"-, 24" and 26" sizes
- Electrically-driven two-speed clamping plate with forward and reverse action
- Pneumatically tiltable mounting column designed for rim widths up to 14"
- Pneumatic locking of the fitting head with automatic rim release in the vertical and horizontal planes
- Effortless fitting with the pneumatically-controllable Tecnoroller arm, with two integrated pneumatic cylinders for double power
- Maintenance unit as standard with water trap, air lubricator and pressure reducer
- Integrated manual tyre inflator

## Special Accessories



BB-No: 766 632 051

wdk-RFT add-on kit for existing MS 65 OR.RAC from year of manufacture 2004.



BB-No: 766 103 261  
BB-No: 766 103 216

Two tyre bead tie-down plates (flat and raised).



BB-No: 766 103 858

Upgrade set IT-air tank for quick inflation of tubeless tyres.



**MS 68**

- With special fitting head for leverless fitting of all standard tyres – even PAX wheels, RFTs and UHPs
- Pneumatic lift to accommodate heavy SUV and light truck wheels
- The advanced, optimally positioned pressure rollers can be tilted away from the working area
- Accurate hydraulic unit for simultaneous pressing of both beads
- 2-step 1.7 HP motor
- Easy clamping of the wheel on the centring flange
- Replaceable flange, for example for French rim types
- Fast tyre inflation as standard



BB-No: 766 680 000

**Technical data**

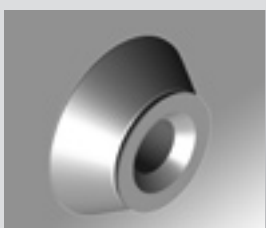
Max. wheel diameter	30"
Max. wheel width	22"
Hydraulic unit system pressure	max. 150 bar
Hydraulic unit force max.	1.4 t
Wheel lift lifting weight	80 kg

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BB-No: 766 104 055

Car universal flange with pivot bolts.



BB-No: 931-145 213

Centering cone Ø 89 -132 mm for off-road and light truck rims.



BB-No: 766 104 256

Nylon adapter ring for raising flange.

# Recommended for HCV servicing: Brake Testers – also for SP



BB-No: 935 810 021

## MB 8100

- Microprocessor-controlled, networking-capable roller brake tester with 16 t test load for § 29 and § 47
- Upgradeable to independent SP test station with tracking or link play tester and distance testing according to § 57b
- Processor technology for fully-automated test procedure or operation via infrared remote control
- Electromagnetic brake as drive-off aid
- Precision DMS measurement sensor technology
- Roller sets with welded expanded metal and synthetic corundum coating (roller length 1,100 mm)
- Measurement display on a 3-section analogue display scale for HCVs from 0-40 kN and cars from 0-8 kN
- Automatic measured value assignment to the individual axles
- All measured values for axles and braking force viewable even before test report is printed

## Technical data

## MB 8100

Test weight / axle load (tonnes)	16
Measuring range (kN)	Car 0-8 HCV 0-40
Measuring system	DMS electrical
Motor drive (kW)	2 x 11
Test speed (km/h)	2.7 / 5.2
Roller diameter (mm)	280
Roller length (mm)	1,100
Track gauge (mm)	900 – 3,100
Roller friction coefficient dry / wet	0.8 / 0.6

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Assembling case set MB 8100, for installation over pit.  
BB-No. 935 814 093



Assembling case set MB 8100, for installation without pit.  
BB-No. 935 814 092



## Special Accessories



BB-No: 935 801 028

8-point wheel load scales to record the static test weight.



BB-No: 935 800 002

Wireless pneumatic sensor (Basis Set PM/PX1/PX2), for precise analysis of the pneumatic brake system.



BB-No: 935 850 006

Link play tester GST 8500.



BB-No: 935 801 004

6-digit LCD monitor for subsequent retrofitting.

# HCV wheel mounting



## MS 70 Tyre Changer

- For all rim sizes from 14 – 26", 1,640 mm tyre diameter and 800 mm width
- Hydraulic drive for the fitting carriage, lifting arm and 4-arm clamping device
- Clamping force infinitely adjustable
- Electrically-driven forward and reverse clamping action
- Universal fitting arm with swivelling mounting disk and folding fitting hook
- Functional control via mobile low-voltage control panel



## MS 75 Tyre Changer

- For all rim sizes from 14 – 52" (with optional clamping claw extensions), 2,300 mm tyre diameter and 910 mm width
- Hydraulic drive for the fitting carriage, lifting arm and 4-arm clamping device
- Clamping force infinitely adjustable
- Electrically-driven two-speed clamping device with forward and reverse action
- Universal fitting arm with swivelling mounting disk and folding fitting hook, can be disassembled to two different lengths and locked to the fitting carriage by means of a safety interlocking coupling
- Functional control via mobile low-voltage control panel



# HCV wheel balancing



BB-No: 761 787 001

## MT 787 Wheel Balancer for all wheels (incl. car) up to 160 kg

- Automatic measurement procedure with wheel braking ratio
- Rotatable display for operation and measurement display
- Dual-LED Display for imbalance display, switchable to car mode
- Seven balancing methods with five aluminium programs and special programs for concealed adhesive weights
- Aluminium gauge for weight positioning and integrated match program
- Integrated, shiftable pneumatic wheel lift to facilitate the clamping of heavy wheels
- Wheel dimensions up to Ø 26,5"



BB-No: 761 795 001

## MT 795 T Wheel Balancer for quicker operational procedures

- Automatic measurement procedure with wheel braking ratio
- TFT monitor for displaying imbalance values and balanced position, switchable to car mode
- Seven balancing methods with five aluminium programs and special programs for concealed adhesive weights
- Aluminium gauge for weight positioning and integrated match program
- Integrated, shiftable pneumatic wheel lift to facilitate the clamping of heavy wheels
- Wheel dimensions up to Ø 26,5", weights up to 160 kg

### Accessories for Wheel Balancers:

HCV-basis flange, BB-No: 931 143 051

HCV precision flange, BB-No: 931 143 053

Car centering cone, 3-piece. BB-No: 931 143 060

### Accessories for Tyre Changers:

Aluminium protection jaws for MS 70, BB-No: 766 400 139

Aluminium protection jaws for MS 75, BB-No: 766 300 440

# A/Ccellence 3000 – for more profit in AC servicing



BB-No. 960 410 002



## Detailed information

- DB specific software with refrigerant via high side
- Multilingual menus with illuminated graphical display
- Automatic oil recycling and oil filling (patented container)
- Robust steel enclosure in DB-CD
- Automatic recovery and recycling of refrigerant
- Automatic filling of refrigerant
- Quick and precise filling
- Filling of UV contrast medium possible (patented container)
- AC unit imperviousness test and system pressure check
- Interface for software updates
- Integrated printer
- Simple maintenance and service of the device
- Menu languages on illuminated graphical display: German, English, French, Italian, Spanish, Russian, Chinese, Portuguese, Dutch and Afrikaans

## Accessories

Maintenance set with vacuum pump oil, filter dryer, set of sealing rings.

BB-No: 960 415 002

## Technical data

Dimensions (W x D x H)	420 x 750 x 1,170 mm	Hose length	2,500 mm
Shut-off pressure	22.7 bar	Class of protection	20 IP
Operating pressure	– 15 bar	Filling accuracy R134a	± 10 g
Operating temperature	10 – 50 °C	Filling accuracy fresh oil	± 1 ml
Power supply	220 – 240 V/ 50(60) Hz/ 6 A	Refrigerant container volume	27.2 kg
Weight approx.	95 kg	Printer interface	RS232
Refrigerant	R134a		
Max. refrigerant capacity (useful capacity)	21.0 kg		
Vacuum pump performance	120 l/min		

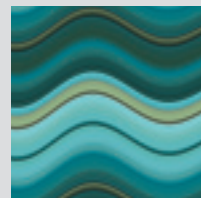
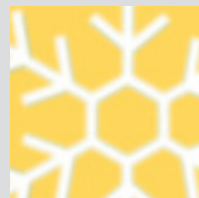
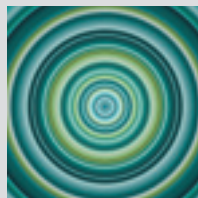
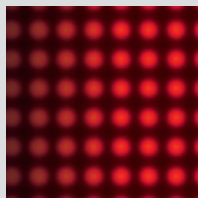
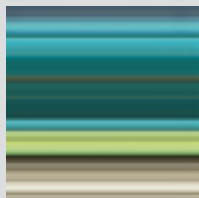
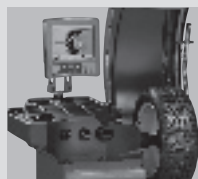
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# Beissbarth Service – in Germany and worldwide



Beissbarth, based in Munich, guarantees all-round after-sales service. With telephone support, reliable service, various maintenance contracts and a rapid supply of replacement parts.

Initial product instruction, installation and service is undertaken within Germany by Beissbarth Service and by certified partner firms. This guarantees comprehensive, rapid on site availability. Internationally, Beissbarth branches and over 90 sales partners supply the world-wide service-network.



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