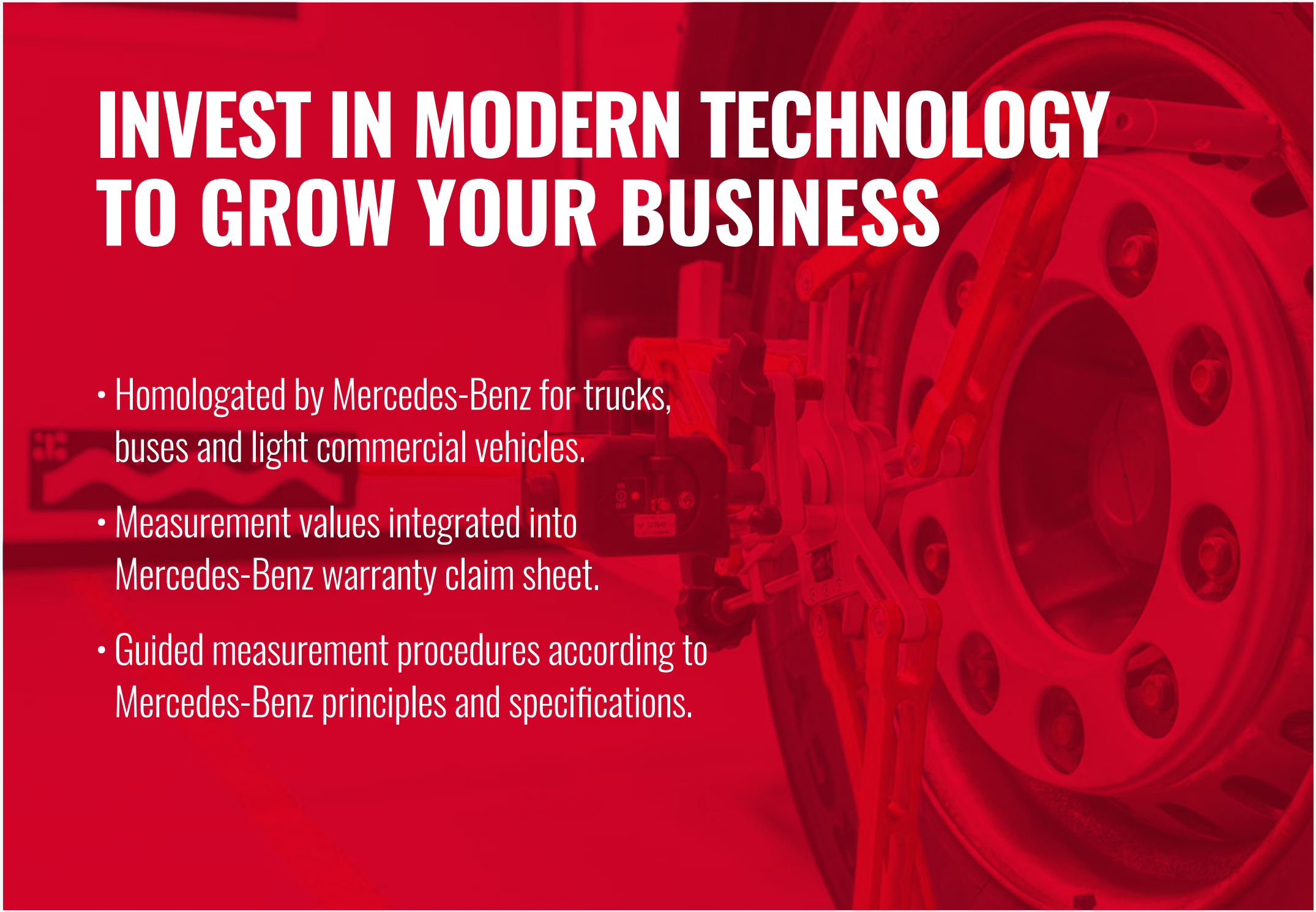
MERCEDES-BENZ WHEEL ALIGNMENT

CAMERA TECHNOLOGY FOR YOUR WORKSHOP

Powered by JOSAM®

Photo credit: Daimler AG

INVEST IN MODERN TECHNOLOGY TO GROW YOUR BUSINESS



- Homologated by Mercedes-Benz for trucks, buses and light commercial vehicles.
- Measurement values integrated into Mercedes-Benz warranty claim sheet.
- Guided measurement procedures according to Mercedes-Benz principles and specifications.

INCREASE YOUR TURNOVER

A quicker and modern way will enable you to diagnose a vehicle in matter of minutes. This will increase your turnover as many vehicles are subject to being adjusted.

Diagnosis could also create spin-off activities such as sales of suspension related spare parts (bushings, tie rods, ball joints, bearings etc.).

Photo credit: Daimler AG

MEASURE EVERY VEHICLE FROM V-CLASS TO BUS AND HEAVY DUTY VEHICLES

THE MERCEDES-BENZ Wheel Alignment System with all its different adapters and additions is able to measure every possible commercial vehicle on the market, including the V-Class with Sprinter and Vito.

THE UNIVERSAL WHEEL ADAPTER fits all rim sizes from 14” to 26” with extensions. In combination with the compact frame gauges the system is suitable for measuring everything from light commercial vehicles to the heaviest trucks and buses. As the frame gauges can be altered in width, they can be adapted from narrow to wide bodies.

MEASURING TRAILERS is also easy, as the frame gauges are hung on the chassis using the centerline as reference.

XLP 280

DIAGNOSE A 6X2 VEHICLE WITH
70%
INCREASED SPEED
DIAGNOSIS

A SYSTEM IN A CLASS OF ITS OWN

- By putting sensors on the wheels and measuring both forward and backwards, you will be able to measure all possible vehicle combinations that come into the workshop.
- The system is designed to measure and adjust multiple steered vehicles in a simple and accurate way.
- Thanks to its portability the system can be used at every location in the workshop and at the customer's site. This will optimize the flow in your workshop and therefore also your productivity.
- The camera technology enables the system to diagnose frame damages and create report sheets that are accepted by insurance companies.
- A European product developed for European trucks and buses.

INCREASE CUSTOMER VALUE

Photo credit: Daimler AG

WHEEL ALIGNMENT HAS A LARGE INFLUENCE ON:

- FUEL ECONOMY
- TIRE COST
- DRIVING COMFORT
- SAFETY ON THE ROAD

CALCULATION EXAMPLE 1

Fuel cost reduction: 3%
Mileage/year: 150 000 km
Fuel price: 1.1 EUR/litre
Fuel consumption: 3.5 litres/10 km
Total cost reduction/year:
0.03*150 000*1.1*0.35 = 1 733 EUR

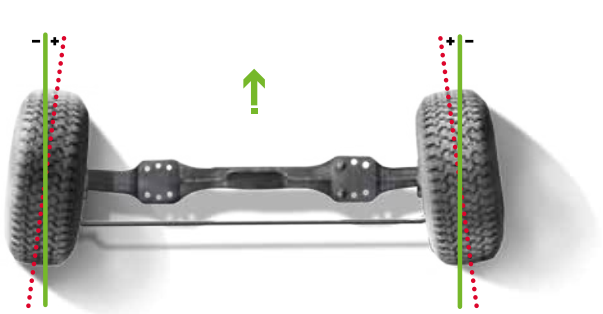
CALCULATION EXAMPLE 2

Premature tire change, 2 tires/year
Tire cost: 350 EUR/tire
Cost reduction/year:
350*2 = 700 EUR

Estimated fuel/tire cost reduction per year: 2 433 EUR*

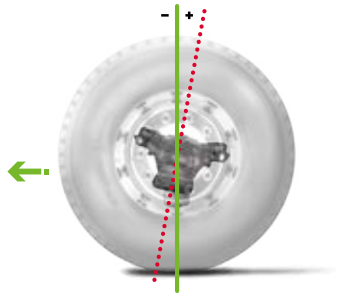
* Cost for wheel alignment not included in the calculation

Source, fuel cost reduction:
Survey performed during 2013 on 500 vehicles from 12 different companies by the research institute TNO, Holland

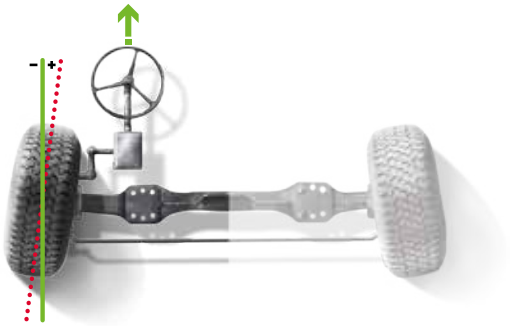


Toe

Camber

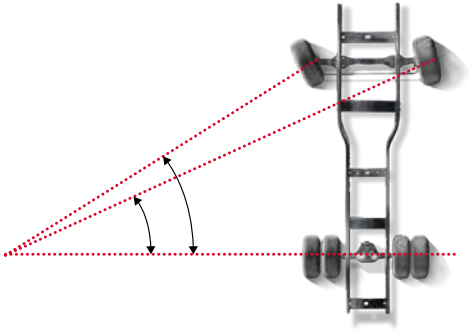


Caster



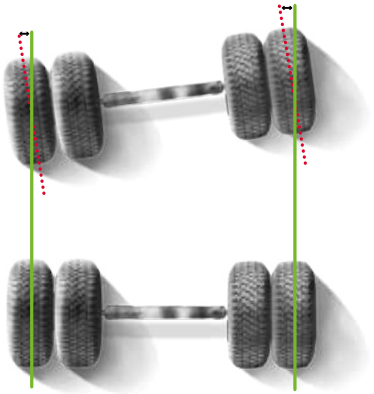
Steering gear middle position

KPI

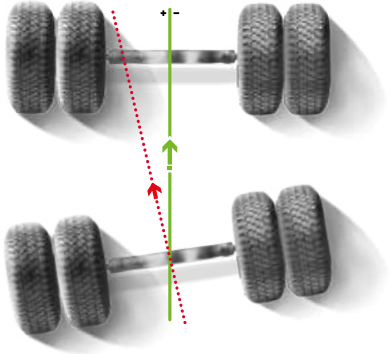


Toe-out on turn

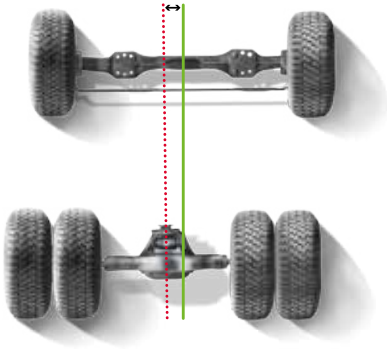
Maximum turn



Parallelism



Out of square



Offset

WHY JOSAM SHOULD BE YOUR BUSINESS PARTNER

- The same camera technology is also used in all Mercedes Benz truck and axle assembly plants globally.
- For 45 years, Josam has been a global supplier for wheel alignment equipment with its focus on commercial vehicles only.
- Josam was the first wheel alignment equipment to be homologated for Mercedes Benz trucks and buses in 1985.
- Our wheel alignment competence is spread globally through our training centres.

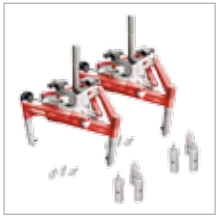
YOUR HOMOLOGATED EQUIPMENT COMPRISES

MERCEDES-BENZ CA MB K/74200

#	ARTICLE #	ORDER #	PCS.	DESCRIPTION
1	AM1227-1 A	10234	1	Magnet bracket for frame, right
2	AM1227-2 A	10235	1	Magnet bracket for frame, left
3	AM1622	10360	2	Front adapter for Mercedes
4	TC-1029	71349	2	Magnet bracket for frame gauge
5	JT510	12029	1	Adapter for bumper
6	JT295 A	14478	4	Turntable with non-friction plate JT280
7	CA3850	74850	1	Cabinet for equipment MB, with PC hardware
8	TC-361	70009	1	USB cable
9	TC-233-10	70032	1	Reflective Target FL
10	TC-233-20	70033	1	Reflective Target FR
11	TC-233-30	70034	1	Reflective Target RL
12	TC-233-40	70035	1	Reflective Target RR
13	TC-395	70040	1	Charging cradle
14	12860	70546	4	Wooden plate for height compensation
15	CA1000	72000	4	Wheel adapter spider 14”-22.5”
16	CA1004	72004	2	Compact frame gauge with hangers
17	CA ANGLE K A	75661	1	Additional kit for inclinometer
18	CA1009 A	75642	1	Wireless server
19	CA1010 A	75640	2	Camera sensor
20	CA1034	72034	6	Extension leg for spider wheel adapter 26”
21	CA3202	74202	1	Software, tailor-made for Mercedes

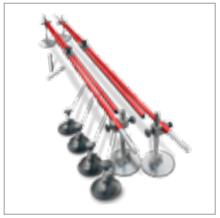
RECOMMENDED ACCESSORIES

2 x AM268 A / 13762



2 x CA1000 / 72000

2 x CA1006 / 72006

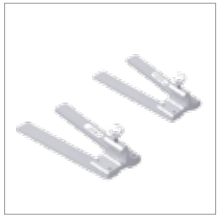


1 x CA BUS K / 72244

6 x CA1034 / 72034

1 x AM48 A / 10579

1 x JT167 / 11928



2 x JT485 / 12017

2 x JT5-8 / 12046

... WHICH WILL GIVE YOU

- Modern, ergonomic and user-friendly measuring technology covering today's vehicles.
- Fast and simple measuring procedures which increase your productivity on wheel alignment compared to a conventional nondigital system.
- Robust industrial design and in-built calibration functions to keep your equipment maintenance at a minimum cost.
- Process controlled and guided software, reducing your operator dependency.
- Opportunities to sell wheel alignment services.

WE KNOW THAT THE PRODUCT IS NEVER BETTER THAN THE SUPPORT AND TRAINING PROVIDED.

AFTER 45 YEARS IN THIS BUSINESS WE HAVE THE ABSOLUTE BEST SUPPORT AND TRAINING CAPABILITY IN THE INDUSTRY. THIS WILL ENSURE THAT YOUR INVESTMENT IN OUR EQUIPMENT IS SUSTAINABLE.

REPRESENTATIVE:

MANUFACTURER:

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