

WHEEL ALIGNMENT FOR HEAVY DUTY VEHICLES

JOSAM CAM-ALIGNER



A white bus is driving on a multi-lane highway during sunset. The sun is low on the horizon, casting a warm, golden glow over the scene. The landscape consists of rolling green fields and a dark plowed field. The highway has white lane markings and metal guardrails. The bus is in motion, slightly blurred, moving away from the viewer.

WHY WHEEL ALIGNMENT?

By measuring and adjusting wheel angles on a vehicle, fuel costs and tyre wear can be reduced. At the same time, driver comfort, road safety and driveability is improved. This leads to a better economy and environment for everyone.

JOSAM CAM-ALIGNER

ALL-ROUND WHEEL ALIGNMENT SYSTEM

The compact wheel alignment system from Josam enables workshops and tyre service centers to offer quick and accurate wheel alignment. Thanks to its portability, the system can be used at every location in the workshop or at the customer's site. This will optimize the flow in your workshop and therefore also your productivity.

MEASURE THEM ALL

Cam-aligner allows you to align any commercial vehicle:

- Trucks with multiple steered axles
- Buses and light commercial vehicles
- Trailers and semi-trailers
- Special vehicles such as agricultural and construction vehicles, mobile cranes, off-road and military vehicles
- Motor homes

TRUSTED BY OEMS

Cam-aligner is officially approved by Mercedes-Benz, Volvo, Renault, Scania and other OEMs for wheel alignment. Moreover, the static ADAS calibration procedure is approved by Volvo Group.

INCREASE YOUR REVENUE

Josam wheel alignment systems create a wide range of opportunities:

- A vehicle can be diagnosed in matter of minutes. This will increase your revenue, as many vehicles are subject to being adjusted.
- Alignment diagnosis creates spin-off activities, like sales of suspension-related services and spare parts such as bushings, tie rods and bearings.
- High fuel and tyre prices increase the importance of regular, preventive wheel alignment to reduce operational cost for fleet owners.



ROBUST AND ACCURATE

COUNT ON IT WHEN YOU NEED IT

This camera-based system is developed for harsh environments, with proven technology used in many heavy-duty OEM factory facilities worldwide. Lightweight equipment in aluminium and an easy-to-use software makes handling easy.

FEATURES AND BENEFITS

- **Guided software**
Guided measurement procedures, in combination with custom or generic specifications, reduce operator dependency.
- **Full frame referencing**
Cam-aligner uses the centerline principle to determine the position of axles and wheels, the preferred measuring method approved by so many OEMs.
- **Run-out or rolling method**
Choose between lifting the vehicle and performing a run-out compensation, or simply roll the vehicle half a wheel turn forward.
- **Frame check**
The camera technology enables the system to diagnose frame damages and create report sheets that are accepted by insurance companies. No additional equipment is needed.
- **Multi-roll kit (optional)**
Save time by measuring two axles in a single rolling sequence. By adding more wheel adapters, multiple axles can be measured simultaneously.
- **Inclinometer kit (optional)**
Compensate for floor unevenness and lifted axles.



Van measured with multi-roll



Semi-trailer measurement

A SCALABLE SYSTEM

GROW WITH NEW BUSINESS OPPORTUNITIES



Cam-aligner can be configured with many different accessories to match the vehicle population served by your workshop. Expand your service offering, and increase efficiency with add-ons for different applications and equipment for facilitating the measuring process.



TWIN-STEERED VEHICLE KIT

The system is designed to measure and adjust multiple steered vehicles in a simple and accurate way.



MAGNETIC WHEEL ADAPTERS

Attach directly to the wheel stud or wheel nut to prevent damage to aluminum or clear-coated wheels.



BUS AND LCV KIT

Extend the system with functions to measure buses, coaches and light commercial vehicles.



ADAS CALIBRATION

Reduce operation time by calibrating inside your workshop instead of dynamic calibration by driving.

FLEXIBLE AND MOBILE

IN YOUR WORKSHOP OR AT THE CUSTOMER'S SITE

CABINET/TROLLEY STORAGE

Since no fixed workshop installation is needed, the system can easily be moved between workshop lanes or different locations. All measuring equipment is stored in a spacious cabinet or on an equipment trolley.

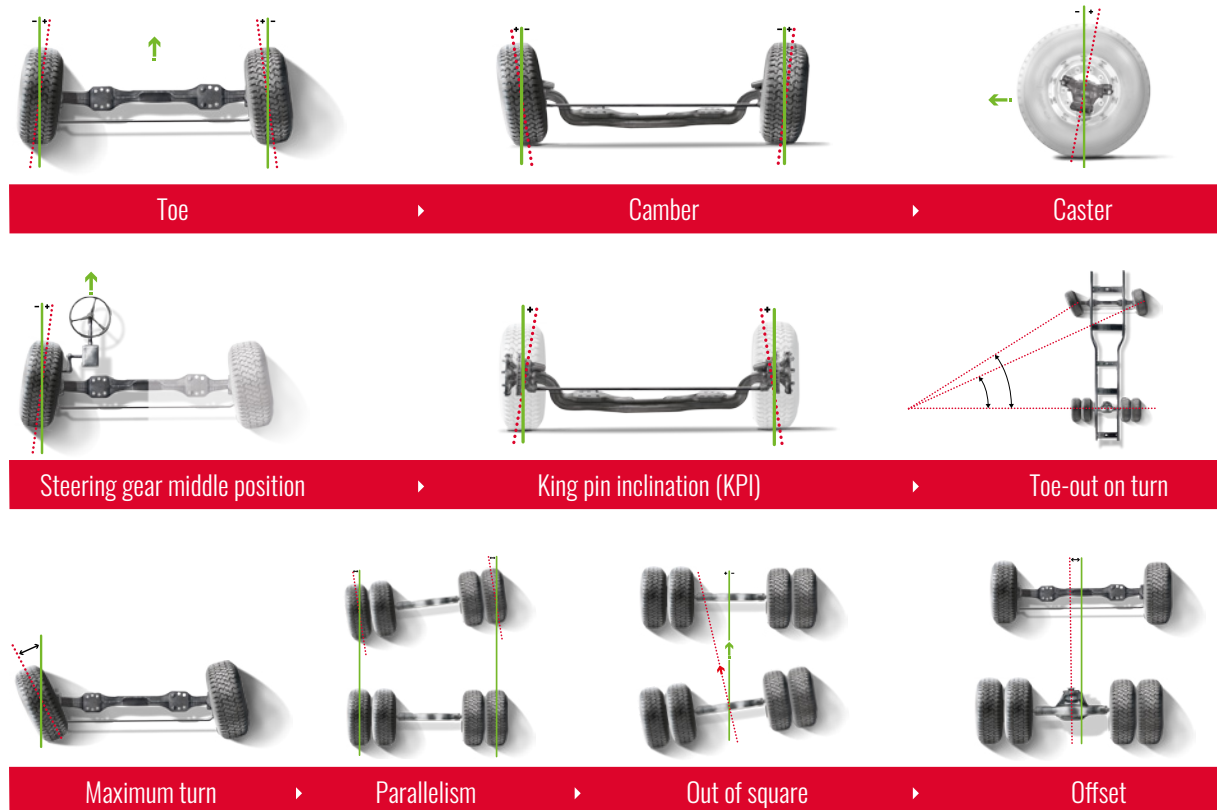
MOBILE WHEEL ALIGNMENT

For mobile wheel alignment, three portable boxes is all you need for transporting the equipment. They can easily be fitted in a smaller van.



TOTAL WHEEL ALIGNMENT

Cam-aligner can measure all these wheel angles:



WE STAND BY YOUR SIDE

FROM INSTALLATION TO PROFITABLE BUSINESS

INSTALLATION AT YOUR WORKSHOP

Of course, we make sure that your equipment is delivered and is installed on site as agreed. This obviously includes the adjustments required in your workshop to ensure an efficient workflow around the equipment.

THE JOSAM ACADEMY – WORLDWIDE TRAINING PROGRAMS

We know our products are only as good as the support and training provided. We at Josam are proud of our unique educational program, which helps you and your co-workers get the most from your investment.

SUPPORT TO KEEP YOUR BUSINESS RUNNING

In addition to our two-year warranty on all equipment*, Josam is never far away. The same goes for our distributors. If you have questions or need help with something regarding Josam equipment, our ambition is to assist you in the best possible way.

* Warranty does not apply to wear parts



PEOPLE PLANET PROFIT

We love the fact that our products contribute to a more sustainable planet, and we hope you will join us. But we don't just do it to be nice. For us – and for you – Josam Cam-aligner also means sustainable and long-term profitability.



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