

# HEAVY DUTY WHEEL ALIGNMENT

JOSAM CAM-ALIGNER







# WHY WHEEL ALIGNMENT?

By measuring and adjusting wheel angles on a vehicle, fuel costs and tire 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-AROUND WHEEL ALIGNMENT SYSTEM

The compact wheel alignment system from Josam enables workshops and tire 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

### 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 tire prices increase the importance of regular, preventive wheel alignment to reduce operational cost for fleet owners.



Laser AM training with Josam founder Jonas Samuelsson



**JOSAM**®

**50+**  
YEARS  
EST. 1972

## Five decades of innovation

Josam is a pioneer within wheel alignment and collision repair for heavy-duty vehicles. Founded in 1972, the wheel alignment and frame measuring system Laser AM was introduced shortly thereafter. Building on more than 50 years of experience and continuous technological development, Josam is at the forefront of the industry.

# ROBUST AND ACCURATE

COUNT ON IT WHEN YOU NEED IT

This camera-based system is developed for harsh and challenging environments. Cam-aligner uses the same technology and measuring methods as end-of-line systems installed in numerous OEM manufacturing facilities worldwide. It is approved for wheel alignment by Mercedes-Benz Trucks and Volvo Group, among other OEMs. The lightweight equipment in aluminum and the 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**  
Save time by measuring multiple axles in a single rolling sequence. By adding more wheel adapters, multiple axles can be measured simultaneously.
- **Inclinometer**  
Compensate for floor unevenness and lifted axles.





# 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.



## SPIDER WHEEL ADAPTER

14"-22.5" wheel adapter for light commercial vehicles.



## BUS AND LCV KIT

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

# FLEXIBLE AND MOBILE

## IN YOUR WORKSHOP

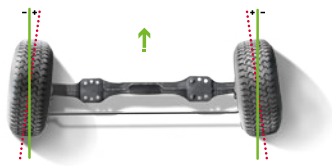
### CABINET STORAGE

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 the cabinet.



## TOTAL WHEEL ALIGNMENT

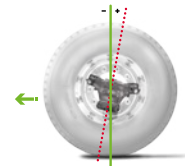
Cam-aligner can measure all these wheel angles:



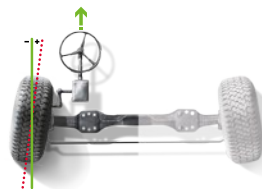
Toe



Camber



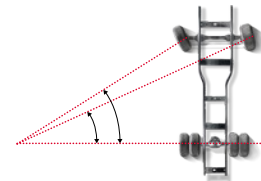
Caster



Steering gear middle position



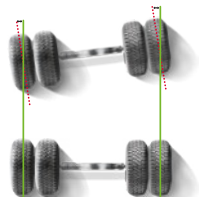
King pin inclination (KPI)



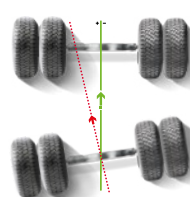
Toe-out on turn



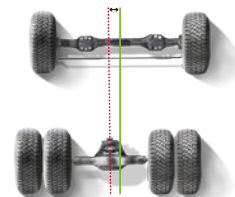
Maximum turn



Scrub Angle



Thrust Angle



Offset

# 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 PROGRAMMES

We know our products are only as good as the support and training provided. We at Josam are proud of our unique educational programme, 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.



## REPRESENTATIVE:

## MANUFACTURER:



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