

HEAVY-DUTY WHEEL ALIGNMENT

JOSAM CAM-ALIGNER



JOSAM®



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, fully digital wheel alignment system from Josam enables repair shops and tire service centers to offer quick and accurate wheel alignment. Thanks to its mobility, the system can be used from anywhere in your shop or at the customer's site, optimizing flow and productivity.

MEASURE THEM ALL

Cam-aligner allows you to align any vehicle:

- Trucks with multiple steered axles
- Buses and light commercial vehicles
- Trailers and semi-trailers
- Agricultural and earth-moving vehicles
- Special vehicles, such as mobile cranes and military vehicles
- Motor homes

INCREASE YOUR REVENUE

Josam wheel alignment systems create a wide range of opportunities:

- A vehicle can be diagnosed in a matter of minutes during routine maintenance and service checks. This efficiency can contribute to increased revenue, as many vehicles often require adjustments.
- Alignment diagnosis often leads to additional revenue through the sale of suspension-related services and spare parts like bushings, tie rods, and bearings.
- High fuel and tire prices make regular preventive wheel alignment more crucial for fleet owners, as it helps reduce operational costs by improving fuel efficiency and extending tire lifespan.



Wheel alignment training with Josam founder Jonas Samuelsson (right)

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. With over 50 years of experience and continuous technological development, Josam remains 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. Light-weight aluminum equipment, when paired with intuitive software, simplifies the handling process. The synergy between hardware and software ensures that users can easily and efficiently manage the equipment, offering a seamless experience.

Cam-aligner uses the same technology and measuring methods found in end-of-line systems installed in numerous OEM manufacturing facilities. It has garnered worldwide approval from prominent OEMs, including renowned names such as Mercedes-Benz Trucks, Volvo Group and Mack trucks.

FEATURES AND BENEFITS

- **Sturdy construction:** Rugged camera and inclinometer housings, capable of withstanding water splashing and dust (IP54), ensure trouble-free operation.
- **Guided software:** Guided measurement procedures, combined with custom or industry recommended specifications, reduce operator dependency.
- **Full frame referencing:** Cam-aligner utilizes the centerline principle to determine the positioning of axles and wheels, the preferred measuring method approved by many OEMs.
- **Run-out or rolling method:** Choose between lifting the vehicle and making a run-out compensation, or simply roll the vehicle by half a wheel turn.
- **Frame check:** The camera technology enables the system to diagnose frame damages and create report sheets that are accepted by insurance companies.
- **Multi-roll:** Save time by measuring multiple axles in a single rolling sequence. The base kit includes six wheel adapters, allowing you to roll three axles at once. By adding more wheel adapters, any number of axles can be measured simultaneously.
- **Inclinometer:** Compensate camber, caster and KPI readings for floor unevenness and lifted axles.

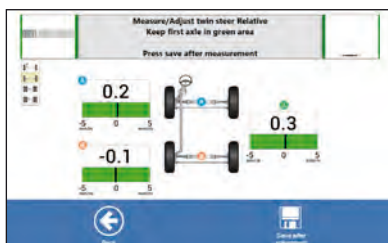


A SCALABLE SYSTEM

GROW WITH NEW BUSINESS OPPORTUNITIES



The Cam-aligner base kit contains all you need to align medium and heavy-duty trucks. It can be customized with various accessories to align with the types of vehicles your shop currently serves and those you plan to serve in the future.



TWIN-STEERED VEHICLE KIT

The software supports alignment of multiple steered vehicles. An accessory kit ensures that it's done efficiently and accurately.



SPIDER WHEEL ADAPTER

The universal 14"-22.5" wheel adapter accommodates both aluminum and steel rims, making it an ideal choice for light commercial vehicles, yet also able to handle medium and heavy-duty vehicles.



BUS AND LCV KIT

Additionally, you can extend the system with body referencing capability to measure buses, coaches, and light commercial vehicles lacking a conventional frame.

FLEXIBLE AND MOBILE

EASY TO USE—EASY TO MOVE

Since no fixed installation is needed, the system can swiftly be moved between shop lanes or different locations. Upon delivery, the cabinet arrives complete with a built-in computer featuring pre-installed software and a mounted monitor.

EQUIPMENT KEPT SAFE AND ACCESSIBLE

Inside the cabinet, cameras and inclinometer are neatly stored in the charging cradle. Printer and PC are also protected from the outside environment. On the sides, the remaining standard equipment and accessories are conveniently stored, ensuring easy access during alignment and providing an ergonomic workflow.



TOTAL WHEEL ALIGNMENT

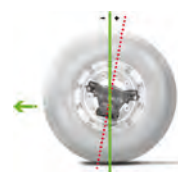
Cam-aligner can measure all these wheel angles:



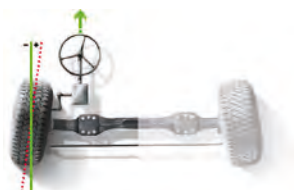
Toe



Camber



Caster



Steering gear middle position



King pin inclination (KPI)



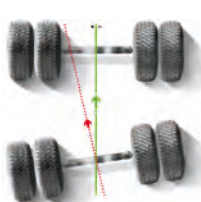
Toe-out on turn



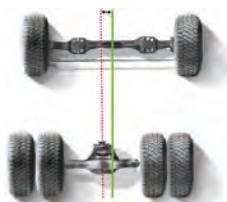
Maximum turn



Scrub Angle



Thrust Angle



Offset

WE STAND BY YOUR SIDE

FROM INSTALLATION TO PROFITABLE BUSINESS

INSTALLATION AT YOUR SHOP

We ensure the delivery and on-site installation of your equipment as per our agreement, including all the necessary adjustments required for your shop.

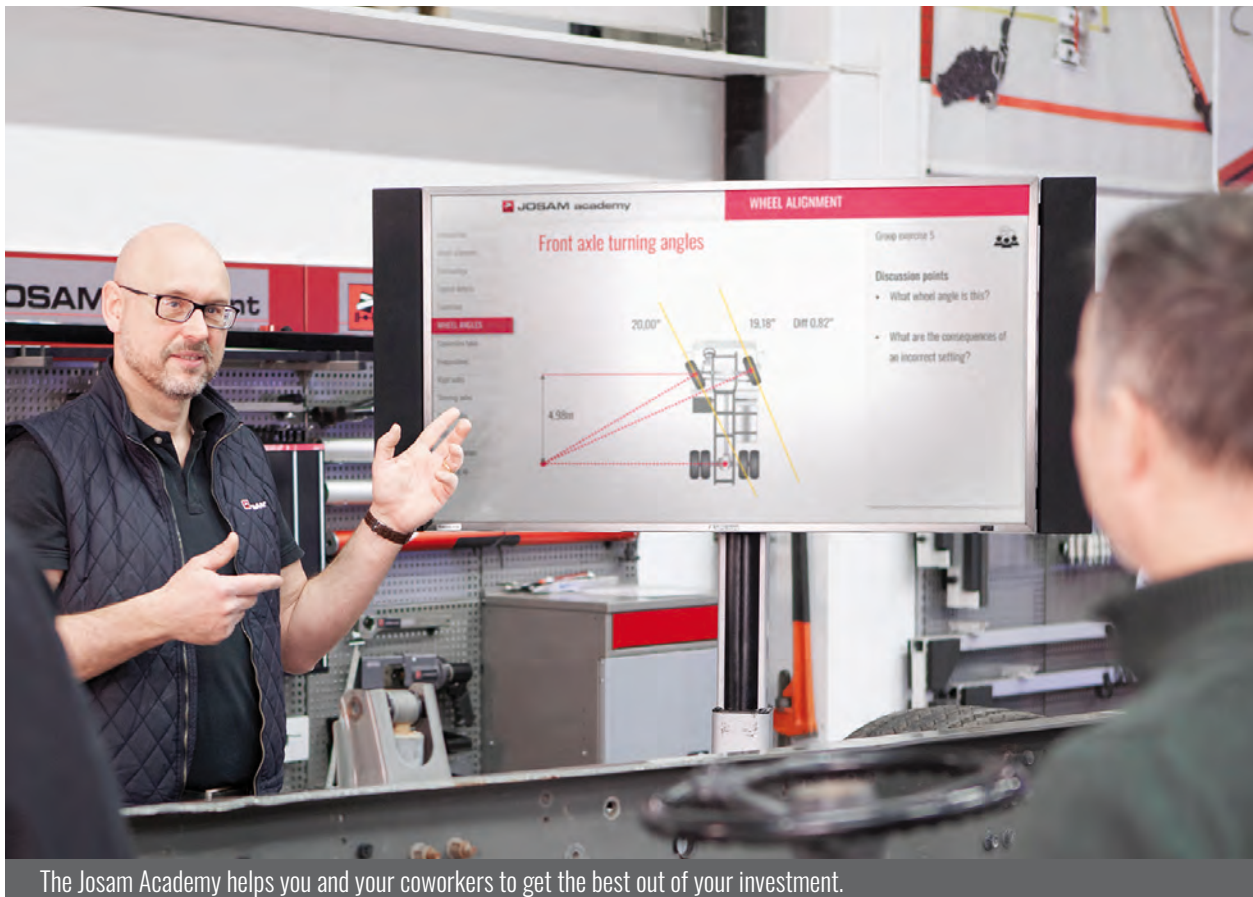
THE JOSAM ACADEMY – WORLDWIDE TRAINING PROGRAMS

We know our products are only as good as the support and training provided, and 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 any questions or need assistance with anything related to Josam equipment, our ambition is to provide you with the best possible support.

* Warranty does not apply to wear parts



The Josam Academy helps you and your coworkers to get the best out of your investment.

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.



VISIT WEBSITE



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