



JOSAM truckaligner II

Wireless, computerized wheel alignment system for heavy vehicles



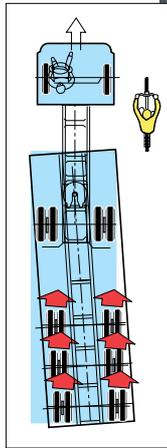


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Why wheel alignment?

Through measuring and adjusting wheel angles on a vehicle, fuel costs and tire wear are reduced. At the same time comfort, security and running characteristics are improved.

This leads to better economy and environment for everyone. It also means that the vehicle travels on the highway without taking up as much place as a vehicle with incorrect alignment would do.



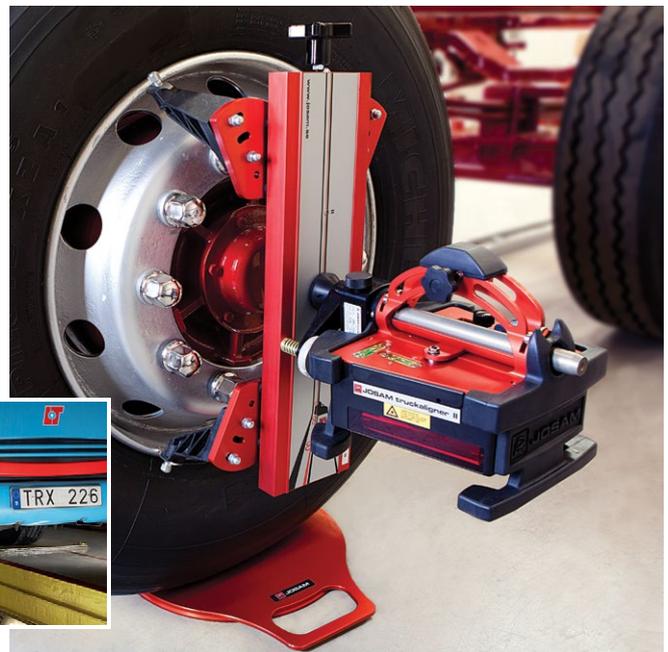
JOSAM truckaligner II has been developed for the measurement and adjustment of all wheel angles on heavy vehicles.

It allows for a high degree of automation so that the technician can quickly and simply measure the vehicle. The quality of the alignment process can be checked step by step.

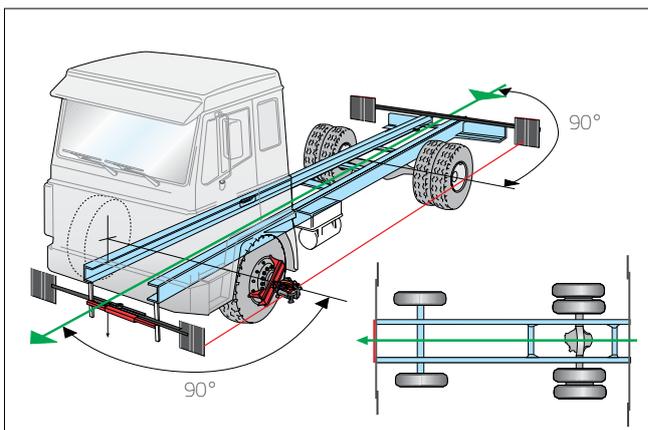
The system is also adapted for twin steering axles and vehicle combinations like articulated buses.

Together with non-friction plates and play detectors, the PC computer, measuring heads, wheel adapter, frame gauges, and target scales constitute a complete set of equipment for advanced and precise wheel alignment.

All wireless communication takes place with Bluetooth technology.



The play detector (above left) is a useful accessory for checking that the bushings and bearings are free from excessive play before the wheel alignment.



The JOSAM method is based on moving out the centerline of the vehicle to its sides with the help of selfcentering frame gauges. By using the centerline as a reference, one gets the entire vehicle to roll straight and safely on the road, including the truck body, frame, wheels and axles.

JOSAM truckaligner II is intended for use with a regular computer with the Windows operating system. The PC console is mobile and comes equipped with a screen that can be raised or lowered to the desired height. It also comes with a storage cabinet for the measuring heads as well as the computer and printer.

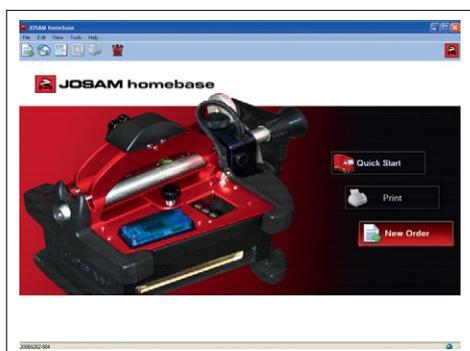
Remote control is available for those who want to operate the system from a distance in the service pit or in the truck cab.



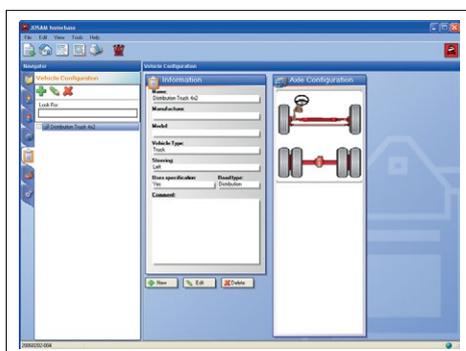
Functions

It now comes with a completely new database management system and expanded order storage. This function, called the JOSAM homebase, makes it very simple for the user to create orders, take measurements and make reports.

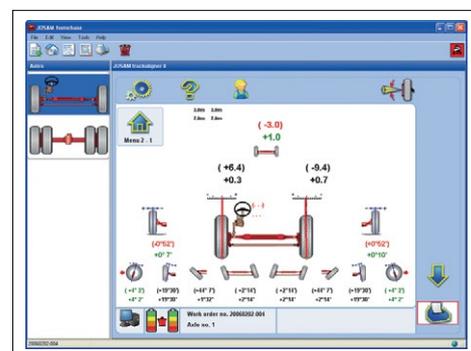
In the actual measuring part of the system, the JOSAM truckaligner II, there is the possibility of measuring wheel angles in a well-thought out flow of information and work on the basis of the limit values recommended by the manufacturers.



The JOSAM homebase with three quick choices adapted for the user: "Quick start", which takes you directly into the measuring process, "Print" for printing out the results or "New Order" where you can enter the customer, vehicle specifications etc.



A vehicle specification. In this case it is a left-steered 4X2 distribution vehicle. The functions make it possible for the operator to be guided through the measuring and adjustment process.



A complete alignment of the front axle. The tolerances are entered for camber, caster and total toe. The values are shown in green or red depending on whether they are inside or outside the limit values.

Technical data:

Laser:	Class 2	Camber:	-5° - +10°
Operational time:	> 8 hours	Caster:	±20°
Charging Time:	5 hours for the measuring heads	KPI:	±20°
Capacity:	16 axles per measurement	Max. turn:	60°
Precision:	0.25 mm/m for toe and 3' for camber		



- All the wheel angles can be measured without reference points on the floor
- Self-instructing menu system with help functions
- Automatic compensation for an uneven floor or non-level axle with an electronic level
- Quick readouts of results during adjusting and measuring process
- Battery-operated units which have wireless communication gives added flexibility
- Graphic as well as text-based depiction and printout of all wheel angles before and during adjustments
- A special program for twin steer axles and articulated buses



During the 1970's, Josam was responsible for the pioneering technology of using lasers to help measure wheel angles with great precision. Today the wheel angles are measured to within 0.01 degrees exactness.

The precision of the laser beam is suited for the measuring of heavy vehicles where the wheelbase can vary by large amounts, sometimes by up to eight meters.

The laser equipment is being steadily improved and today the JOSAM truckaligner II is one of the most sophisticated wheel alignment systems to be found on the market.

This not only makes the measuring process more effective, it makes it easier for the technician to always achieve the correct result – quality control becomes a part of the work.

Representative:

Manufacturer:



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