

# SCANIA WHEEL ALIGNMENT

CUTTING EDGE TECHNOLOGY FOR YOUR WORKSHOP



# BAD WHEEL ALIGNMENT WILL RUIN YOUR CUSTOMER'S ECONOMY!

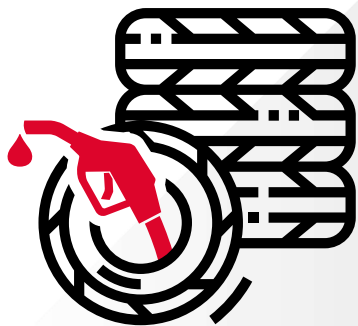
A properly aligned vehicle can reduce fuel consumption costs by up to 5%. Bad wheel alignment also increases tire wear. A wheel alignment diagnosis gives you the opportunity to plan ahead. With the help of the wheel angle measurements from a diagnosis, necessary adjustments can be made and you can avoid unnecessarily high fuel consumption and tire wear costs.

## CALCULATION EXAMPLE 1

Fuel cost reduction: 3%  
Mileage/year: 200 000 km  
Fuel price: 1.1 EUR/litre  
Fuel consumption: 4 litres/10 km  
Total cost reduction/year:  
 $0.03 * 200\ 000 * 1.1 * 0.4 = 2\ 640\ \text{EUR}$

## CALCULATION EXAMPLE 2

Premature tire change, 2 tires/year  
Tire cost: 350 EUR/tire  
Cost reduction/year:  
 $350 * 2 = 700\ \text{EUR}$



Estimated  
fuel/tire cost  
reduction per year:  
3 340 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

# WHAT HAPPENS WHEN THE WHEELS ARE MISALIGNED?



**BAD STEERING CAPABILITY  
AND DRIVING DISCOMFORT**



**MECHANICAL WEAR**



**INCREASED AIR RESISTANCE**



**INCREASED TRACKING  
SENSITIVITY**



**INCREASED FUEL  
CONSUMPTION**



**TRAFFIC HAZARDOUS  
VEHICLE**



**INCREASED TIRE WEAR**

# JOSAM CAM-ALIGNER

Cam-aligner is an extremely robust and flexible system, allowing you to measure anything from an army tank to a pickup, even in the harshest of environments.

Enabled by the unique rolling method, toe and camber measurements may be taken while the vehicle is in driving position. No lifting of the axles with run-out compensation is required, alternatively the system can also be operated with standard run-out procedure.

Wireless technology is used for transmitting data between measuring units and the computer. The computer software guides the user through the measuring process and prints out measurement reports of values, before and after alignment.



## FAST WHEEL ALIGNMENT FOR ANY VEHICLE. ANYWHERE.

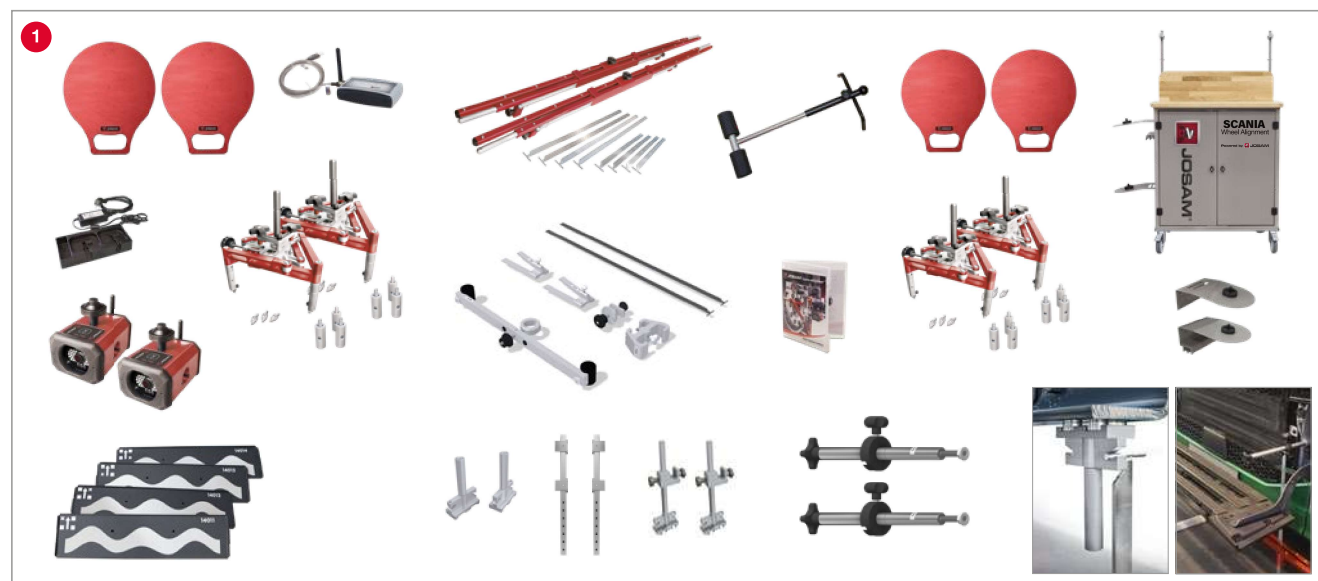
Description	Specification
<b>Measuring range</b>	
Toe	±40 mm/m
Camber	±6°
Caster	±20°
KPI	±20°
Max. turn	65°
<b>Measuring accuracy</b>	
Toe	±0.2 mm/m (for each camera)
Camber	±3 min (for each camera)
Operational time	14 h
Charging time	3 h
Computer requirements	See latest updated information on <a href="http://www.josam.se">www.josam.se</a>



# SCANIA WHEEL ALIGNMENT CAM-ALIGNER, 15825

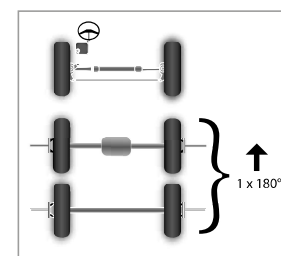
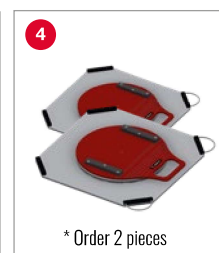
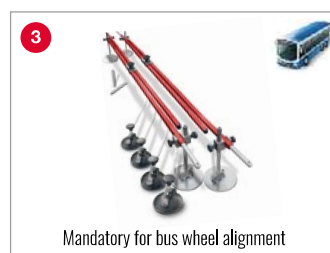
Electronic wheel alignment (trucks, trailers and semi-trailers)

Item #	Qty #	Ref nr	Name
1	1	SCANIA WA CAMALIGNER	Basic set Cam-aligner



## OPTIONS

Item #	Qty #	Ref nr	Name
1	1	72103 / CA ALU K	Additional kit for aluminum rims
2	1	75661 / CA ANGLE K A	Additional kit for inclinometer
3	1	72244 / CA BUS K	Additional kit for buses
4	2*	14478 / JT295 A	Turntable with non-friction plate for individual front suspension (buses)
5	1	16594 / CA MULTI K-2	Scania additional kit for multi-axle rolling





# SCANIA WHEEL ALIGNMENT CAM-ALIGNER UPGRADE A, 74320

Electronic wheel alignment (trucks) upgrade from Laser AM -> Cam-aligner

Item #	Qty #	Ref nr	Name
1	1	CA 2011 K	Cam-aligner upgrade kit for JOSAM laser AM



# SCANIA WHEEL ALIGNMENT CAM-ALIGNER UPGRADE B, 74321

Electronic wheel alignment (trucks) upgrade from Truckaligner I & II -> Cam-aligner

Item #	Qty #	Ref nr	Name
1	1	CA 2012 K	Cam-aligner upgrade kit for JOSAM truckaligner I/II

