

# KUPER



Lawrence

## K1800

3D wheel alignment with  
manual camera beam  
(pit/lift system)



**Model:** K1800

**Product:** 3D alignment machine (pit or lift - Fixed camera boom)

**Description:** The K1800 aligner can be used on a pit or lift system. A wheel alignment machine is used to adjust a vehicle's tracking. The system connects a vehicle to its wheels. It is not an adjustment of the tyres or wheels themselves. The key to proper alignment is adjusting the angles of the tyres which affects how they make contact with the road.

<b>Features:</b>	<b>Benefits:</b>
1.3 mega pixel HD camera	The 1.3-megapixel resolution allows for high-quality imaging with greater detail and clarity. This is particularly important in applications where fine details need to be captured and analyzed.
Space saving	Slimmer posts with no cabinet to save space, also giving a more modern look
Accurate targets	Ultra-thin design, light and easy to install. Made of aluminum material elegant and durable.
Image stabilizing system	Improved measurement accuracy, consistent and reliable results, adaptability to challenging environments, and enhanced user experience, ultimately contributing to the overall efficiency and effectiveness of the wheel alignment process.
V3 Function	Rich and Practical Vehicle Measurement Data
Fixed model aid	The program can guide the operator to achieve the best height of vehicles for alignment measurement
Pure aluminum beams	Light but durable
Cross diagonal	Identifying vehicle frame or structural conditions. Great helper in alignment adjustments.
Vivid videos	Rich help 3D videos, to help the user master the operation technique quicker.
Four point - wheel clamps	Offers stability, precise wheel centering, compatibility with various wheel sizes, quick installation, and increased accessibility to suspension components. These benefits collectively contribute to the accuracy, efficiency, and reliability of the wheel alignment process in automotive service applications.
<b>Free</b> yearly database update ( <i>INTERNET connection required</i> )	No need to pay for those expensive yearly vehicle database updates, cost saving.
	<b>Versatility:</b> Handle a wide range of vehicle types. Can also accommodate vehicles with various wheel sizes and configurations.
	<b>Real-Time Adjustments:</b> Equipped with features that allow technicians to make real-time adjustments to wheel angles while monitoring the results on the screen.

	<b>Improved Tyre Life:</b> Proper wheel alignment ensures that tyres wear evenly, leading to longer tyre life and reduced replacement costs for vehicle owners.
	<b>Enhanced Fuel Efficiency:</b> Correct wheel alignment reduces rolling resistance, which can improve fuel efficiency by ensuring that the vehicle's tyres are not fighting against each other
	<b>Better Handling and Safety:</b> A well-aligned vehicle handles better, providing better stability and control. This contributes to safer driving conditions.
	<b>Reduced Maintenance Costs:</b> By identifying alignment issues early, 3D wheel alignment machines can help prevent premature wear on suspension and steering components, reducing maintenance and repair costs.
	<b>Customer Satisfaction:</b> Vehicle owners appreciate when their vehicles are properly aligned, as it leads to a smoother ride, better handling, and improved safety. This can boost customer satisfaction for automotive service centers.
	<b>Increased Profitability:</b> Faster alignment measurements and improved accuracy can increase the efficiency of an automotive service center, allowing for more alignments to be performed in a given time, which can translate into higher profits.
	<b>Competitive Advantage:</b> Offering 3D wheel alignment services can give an automotive service center a competitive edge by providing a higher level of precision and customer satisfaction.
Training available	Technicians can be professionally trained to use the machine and get the maximum benefit from it.
1 year warranty	The machine will be repaired if there are any factory faults and can be replaced if required.
Spares available	Should you have a breakdown you will not have to wait for your equipment to be repaired. If there is anything we don't have, we fly it in directly from the Suppliers.
Operational videos	Technicians can learn how to operate the equipment by watching a video, which is easier and more simple than written instructions.

## Important notice!

- Aligner must be installed indoors.
- Approved installers must be used when installing aligners or warranty will be void.
- UPS required.

<b>Technical information</b>		
	Range	Accuracy
Camber	±45°	±0.01°
Caster	±40°	±0.01°
S.A.I.	±40°	±0.01°
Toe	±30°	±0.01°
Chassis parameters	<4000mm	±1mm

<b>Equipment specification</b>	
Operating temperature	-30°C - 50°C
Power voltage	220V
Wheel size	279.4 - 609.6mm
Tyre diameter	No limit
Power requirements	120v/230v 1PH 50/60Hz
Profile of wheel adapter	11 - 24"
Rolling compensation style	Forward-backward or backward-forward
Camera resolution	1.3M
Suggested distance	2300mm
Short bay distance	1500mm
Distance between two cameras	2400mm
Minimum width of vehicle	1500mm
Maximum width of vehicle	2400mm
Packaging dimensions 1/2	1340*830*810* mm
Packaging weight 1/2	170 kg
Packaging dimensions 2/2	270*390*2820 mm
Packaging weight 2/2	70 kg

