

# 3D Computerised 4 Camera Wheel Alignment System



## Part No.: GTR/8400

*See overleaf for  
more information*

- 4 HD digital video cameras enable rapid target capture at any ramp height eliminating the need for a movable boom
- Utilising 4 cameras enables cameras to be positioned closer to the ramp than is possible with 2 camera systems
- The 4 wide angle cameras provide up to twice the range of working heights compared with 2 camera systems
- Unique "Machine Vision" software provides accurate measurements without the need to calibrate targets
- Integrated database incorporates alignment specifications, adjustment diagrams and animated instruction videos
- Self centering wheel adapters accommodate wheel sizes 12" – 24"
- Integrated storage for adapters and targets on the cabinet
- Cabinet comes with high specification fast PC, extra wide 27" monitor, printer, and unique wireless remote control

# 3D Computerised 4 Camera Wheel Alignment System



## → About the GTR/8400

The Tecalemit GTR/8400 is a powerful 3D computerised wheel alignment system for checking and adjustment of car and van wheel alignment. Utilising machine vision software and high precision image targets it is fast, accurate and easy to use.

The modern mobile console contains a powerful PC with an Intel Core I3 processor and fast video card (Direct X11). A large 27" widescreen monitor is mounted on an integral bracket to provide maximum visibility and ease of operation. A Wi-Fi enabled printer is also included.

The aluminium camera housing is available in both free standing and wall mounting configuration as required by the workshop layout. Alignment can be carried out either on a lift or over a pit. The 4 x HD cameras (one for each wheel) mounted in the housing provide quick and reliable target capture and high speed image transfer to the PC.

A comprehensive vehicle database covering over 40,000 vehicles is integrated into the operating program. It includes wheel alignment specifications, tyre pressure data, vehicle adjustment diagrams and images together with 3D animated videos. These features together with the included electronic help system contain all the information you need to work with your new alignment machine and software. Checking and adjusting any car or van is made fast and easy.

The GTR/8400 is supplied complete with: mobile computer cabinet, aluminium camera housing containing 4 HD video cameras, Windows PC with software and database installed, 27" LCD monitor, printer, 4 x Target Sets, 4 x self centering wheel adapters, steering wheel holder, brake pedal lock, 2 x Turnplates and hand held remote control and manual.

## → Part Nos. & Ordering Information

3D Computer Based 4 Camera  
Wheel Alignment System.....GTR/8400

Measurement	Measurement Range	Tolerance
<i>Front Wheel Alignment</i>		
Camber	± 8°	±3'
Front Total Toe	± 5°	±3'
Caster	± 19°	±8'
SAI / KPI	± 19°	±8'
Lock Angle	± 45°	±10'
<i>Rear Wheel Alignment</i>		
Camber	± 8°	±3'
Rear Total Toe	± 5°	±3'
Rear Individual Toe	± 2.5°	±3'
<i>Symmetry Angle</i>		
Front Set Back	± 2.5°	±3'
Rear Set Back	± 2.5°	±3'
Thrust Angle	± 2.5°	±3'
Geometrical Driving Axis	± 2.5°	±3'

## → Tech Specs & Dimensions

Camera housing height.....2600mm  
Min. measurement height.....Floor  
Max. adjustment height.....1700mm  
Distance from the camera units to the lift or pit.....1200-3500mm  
Max. long-range capability.....4m  
Monitor size.....27"  
Wheel size range.....12 - 24"  
Min. workshop size requirement.....6550mm

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