



RB-V3DI



RB-V3DII

Features

- 3D Measurement Technology—Automatically adjusted, more accurate and stable
- Camera Measurement System—Innovation dual Camera+4 Target plate Measurement System
- Target Plates—No-electronic, eliminate possible equipment failures caused by electronic or circuits
- Calibration—Easy and Simple equipment calibration, no need to repeat this calibration regularly
- Measurement Process—No need steel ring compensation, which shortens measurement time and improves accuracy
- Software— Clear and user friendly graphics, the software system, read wheels data within 2minutes.
- Maintenance—Simple and easy equipment maintenance
- Customers' approval—Certified by major international automobile manufacturers

功能特性

Function Characteristics



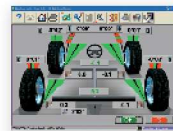
No rim compensation & no need to lift the Car
V3D1 3D imaging technology is different from traditional CCD four-wheel alignment technology. It can quickly and accurately perform four-wheel alignment without a horizontal test reference plane.



Patented "V.O.D.I." operating function prompt
In the process of wheel alignment, operator does not need to look at the computer screen, and can simply follow the guidance of "V.O.D.I." to complete the system wheel alignment successfully.



Wireless, no batteries, no electronic sensors, no electronic components
Anti-collision and corrosion-resistant material target Plate, Easy maintenance and durable.



"Dynamic" 3D - 3D Imaging Measurement tech
Instant completion without delay – dynamic 3D imaging measurement technology allows operator to adjust various parameters of the four-wheel alignment dynamically



Wheel Clamp
Fast installation, suitable for all kinds of hubs from 11" to 22" directly (Max 26" by adding convertible jaw).



3D Animation Adjustment Guide
Provides specific guidance method for tuning vehicle, including notes on parts and tools required for tuning.



User Guidance
Easy understanding function descriptions for Menu options, with clear signs and color prompts to avoid any mis operation..

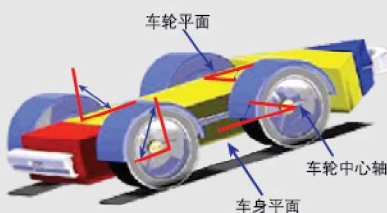


TIP vehicle body height automatic measurement target plate (optional)
Easily and quickly measure the vehicle height accurately, at the same time parameters will be automatically input into the computer by using the TIP target plate.

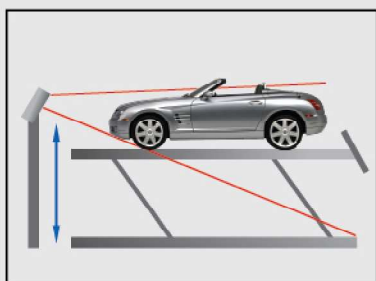


Principle

Four wheels center axes form a base plane, Geometric relationship between the 4 wheels planes and the base plane.

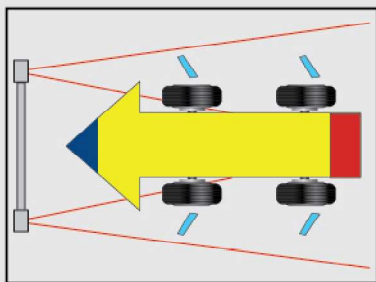


Computer, high-performance digital cameras and high-precision target disks constitute the basic elements of the V3D1 system. Camera LED diodes emit fixed light wave infrared rays, which is reflected by the target disk, and the signal is received and photographed by the digital camera. The computer compares the acquired image with the stored original image and data, calculates the distance and angle of the target disk.



V3D1 System Schematic

The height of the vehicle and the camera can be adjusted at any time during the operation without affecting the measurement results.



RCP Calibration diagram

RCP calibration is a unique calibration of the V3D1 measurement system, and its value only needs one calibration process.

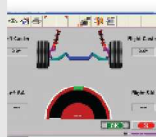
Advantages (compared to conventional wheel aligners)

- Wireless, no electronic sensors and components, avoid measurement problems caused by faulty or defective sensors.
- It avoids the measurement value deviation caused by the parallelism of the vehicle plane itself or the unevenness of the lift platform.
- No need steel rim compensation for obtaining the average value of the wheel plane, accuracy and reliability of the measurement are increased, and the work efficiency is greatly improved.

功能特性 Function Characteristics



Original specification data
More than 20,000 within 30 years' Original vehicle specification data and information.



Engine mount adjustment
V3D1 3D wheel alignment feature function, Engine mounts are increasingly used in the suspension systems of front-wheel drive vehicles. Adjustment of the engine mounts changes the caster and kingpin camber of the vehicle.



EZ Toe
The toe angle adjustment function of V3D1 3D imaging four-wheels positioning can make real-time dynamic adjustment to the toe-in of one front wheel when the steering wheel is at the maximum angle.



Kingpin Caster Angle/Kingpin Inclination Diagnosis
The kingpin inclination angle and containment angle are synchronously measured along with the kingpin caster angle. All parameters reflect the real state of the suspension system in real time, helping the operator to better judge the condition of the vehicle and adjust the four-wheel alignment.