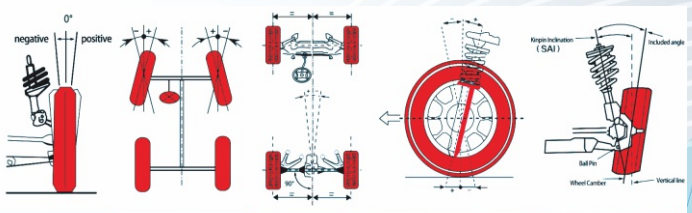
Autoalign VH7 3D
Wheel Aligner

- Using a new measurement standard, with higher accuracy camera and deeper functions, the accuracy can reach 1′/0.01°/0.1mm.
- Comprehensive measurement function: In addition to traditional functions, it can also achieve measurement functions such as maximum steering angle, body size, steering wheel adjustment, etc.
- "zero calibration station" factory calibrated the camera accuracy, users do not need to calibrate regularly;
- Easy operation: only need to push the car to complete the dynamic compensation measurement.

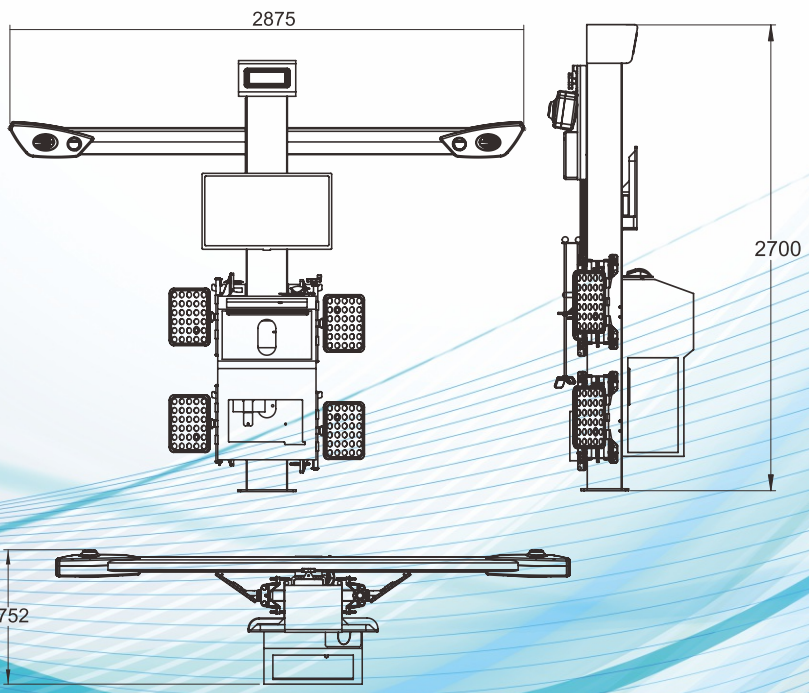
Accessories

- 4 points clamps
- Water and oil prof targets
- Dell supplied pc
- 1.3 megapixel cameras lens and automatic tracking beam
- Steering wheel locker and brake presser
- High quality aluminum durable turn table set (5 ton capacity)



Measurement items	Display accuracy	camber	caster	Kinpin Inclination	toe-in& toe-out	set back	thrust angle	wheel deviation	axis deviation
Accuracy	1′/0.01°/0.1mm	±2′	±6′	±6′	±2′	±2′	±2′	±2mm	±2mm
Measurement range		±10°	±20°	±23°	±20°	±5°	±5°		

Dimension



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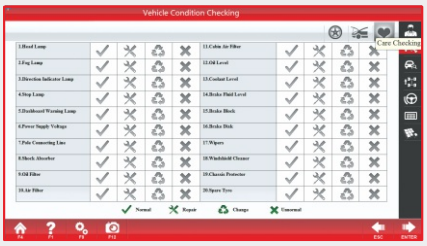
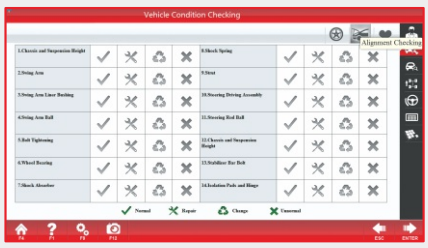
Feature Functions

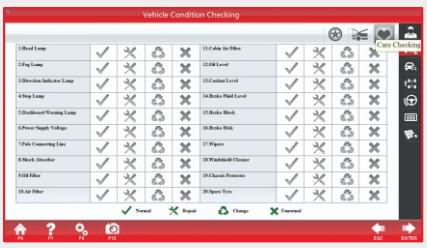
Tyre Checking



Alignment Checking

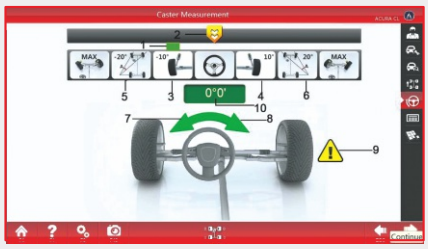
Auto Data Database



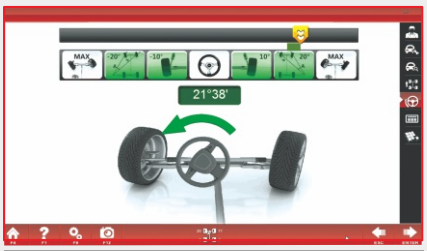


Care Checking

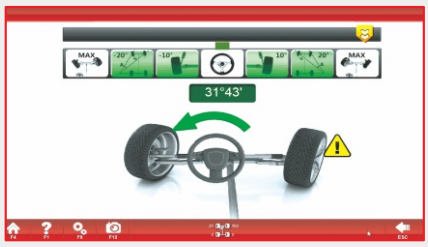
Dynamic Measurement



Caster Testing

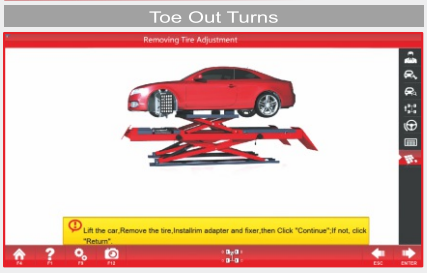


Toe Out Turns



Maximum Turning Angle

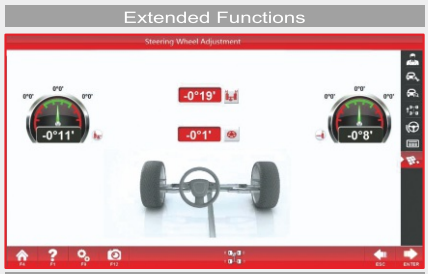
Extended Functions



Tyre Removing Adjustment

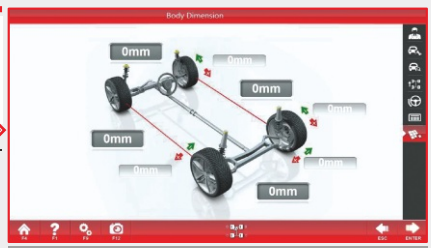
1. Remove the wheel, install the rim adaptor and fix the clamp to the adaptor.
2. Add the chassis space, help some vehicles to realize "lifting adjustment" function.

Autodata



Steering Wheel Adjustment

1. When the steering wheel is effectively leveled, it can help the operator judge the angle of the existing steering wheel when the vehicle is traveling straight!
2.Straighten and lock the steering wheel, adjust the toe to the normal range according to the prompts, and adjust the steering wheel angle measurement value to 0, in order to achieve the purpose of accurately adjusting the steering wheel angle.



Body Sizer

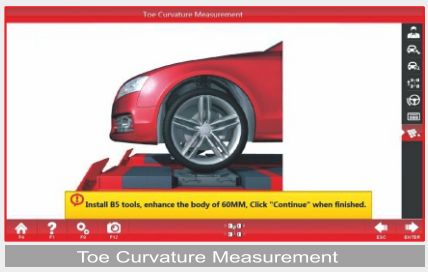
1.One-time pushing compensation process can realize the measurement of the body size, which can accurately display the wheelbase, axis distance, wheel offset, axle offset, comparison value of wheelbase and axis distance.
2.The appearance of the axis distance comparison value and the wheelbase comparison value can easily help the operator determine the correct wheel with problem to cause changes in wheelbase or axis distance.

Engine Bracket Adjustment

As for the vehicle with the function, by the movement of the engine bracket to adjust corresponding angles, the function can guide the movement direction required by the engine bracket and display the measurement value of the steering axis inclination.

Adjust the king pin to make the difference between the left and right steering axis inclination angle within the reasonable scope. After the adjustment is completed, click ENTER , and then the following Fig will be displayed to set down the vehicle.

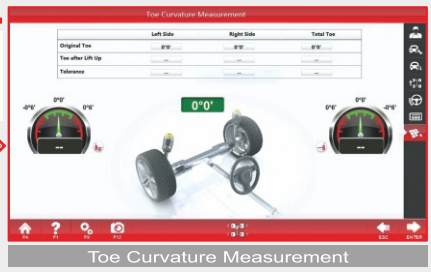
Engine Bracket Adjustment



Toe Curvature Measurement

The toe-in constant value of the vehicles (such as Passat B5 and Audi A6) with this function, namely the difference between the toe-in value after the suspension is lifting up by 60mm and the normal toe-in value can be measured.

Click the [Toe-in curvature Measurement] button, and the following Fig. will be displayed:

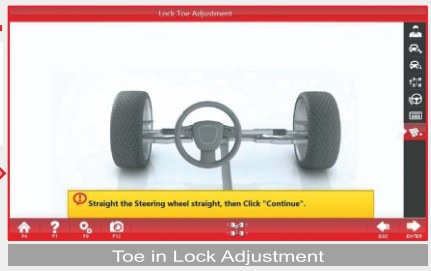


Toe Curvature Measurement

Toe in Lock Adjustment

As for some vehicle, for the convenience of adjusting the toe-in, it requires to carry out the adjustment after turning the steering wheel to an extreme position. This function is to lock the toe-in value, and turn the steering wheel to a proper position for the convenience of adjusting the toe-in.

Click the [Toe-in lock Adjustment] button, and the following Fig. will be displayed:



Toe in Lock Adjustment