Techno Vector 7
computer-based **3D** wheel aligners
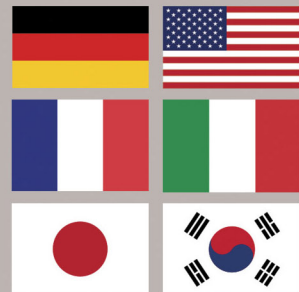
Precision in Motion

2-camera wheel aligners

2-camera wheel alignment system
with capabilities of a
4-camera wheel alignment system

Techno Vector

4000Kg

Special version
for the following countries

Windows 10

intel inside

ASA
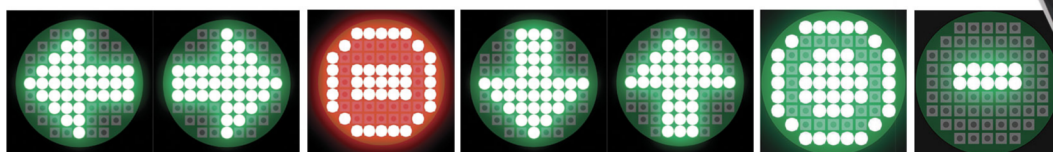*asanetwork*

Techno Vector 7

2-camera wheel aligners

Wheel aligners are equipped with a **machine vision system** that includes 2 video cameras (5MPix) located in plastic housings installed before a car and 4 measurement targets

2 electronic module RGB

2 RGB modules are visual help for technicians while operating the wheel aligner

Steering wheel rotation

Stop operation

Rolling compensation

Wheel aligner is not measuring

Data processing

Wide-angle machine vision system

WideScope®

Camera vision range

2600 mm

Adjustment height 1700 mm

Measurements First lock of the lift

2500 mm

2-camera wheel alignment system with capabilities of a 4-camera wheel alignment system

Key features of the *Wide Scope* technology:

Thanks to WideScope the operational range of the heights of the lift is twice as big as that of similar wheel aligners produced by other manufacturers.

2-camera wheel aligners allow taking measurements and making adjustments on the lift in the range of heights from the first lock of the lift up to 1700mm* from the floor level.

Minimum requirements for the size of the workshop – from 6550 mm.

Operations can be carried out even when the target image is partially closed or damaged!

* Depends on the installation distance of camera housings
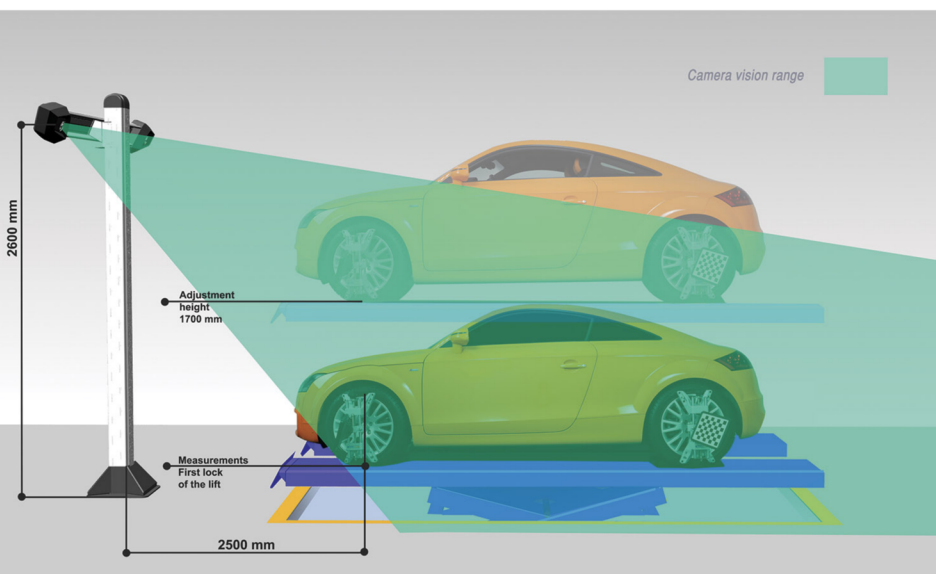
AUTOMATIC LIFT SKEW CORRECTION is a new technical feature in Techno Vector wheel aligners that solves the problem of the lift deformation when moving it up.
The wheel aligner automatically detects the lift movement, does necessary calculations and compensates for the errors caused by changes in the position of the left and right platforms of the lift relative to each other or deformation of the plane of the lift.

Techno Vector Software

Techno Vector 7 Software: a powerful and advanced tool for checking and controlling wheel alignment

CUTTING EDGE TECHNOLOGY

- Extremely fast refresh rate of the measured values. Cameras can shoot up to 40 frames per second and the software keeps up with them
- Detects partially occluded targets
- Multiple pass target detection allows working at extremely bright workspaces
- Multithreaded architecture utilizes all the capabilities of modern multi-core processors
- DPI-independent software scales correctly on every modern display including 4K monitors
- Fast transition time. All the screens are preloaded at the start to ensure that there are no pauses while navigating.
- Extensive car model database is also preloaded right when the software starts and provides instant response time when searching or navigating
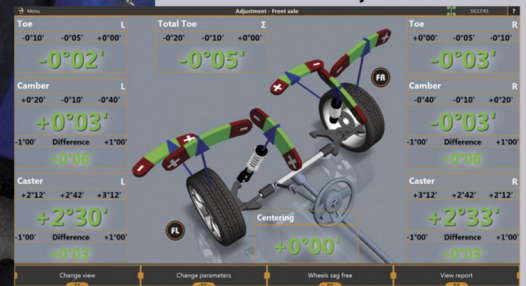

Measurement Mode

Database Image View

3D Adjustment Mode

Target Setup

2D Adjustment Mode
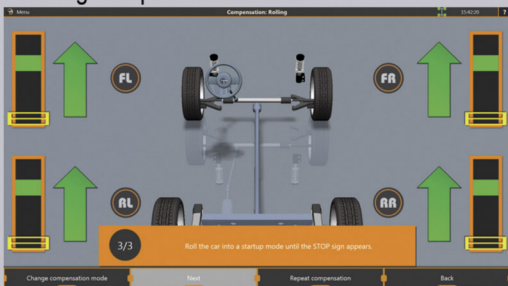

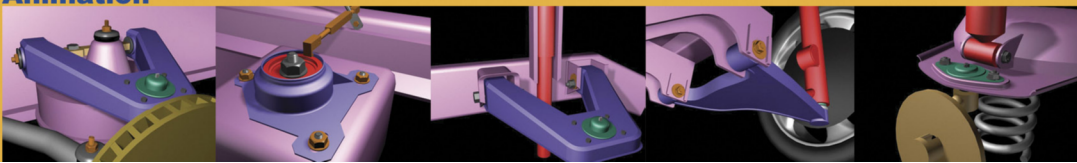### Rolling Compensation Mode

Database

The database integrated in the software includes:
- wheel alignment specifications
- tire pressure specifications
- 3D animation
- adjustment diagrams and images
- **data for more than 40 000 vehicles**

Report View

3D Animation

Free annual software updates

Configurations

2-camera wheel aligners
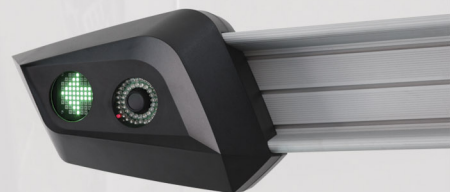
Different types of housing configurations
are designed for the optimum arrangement
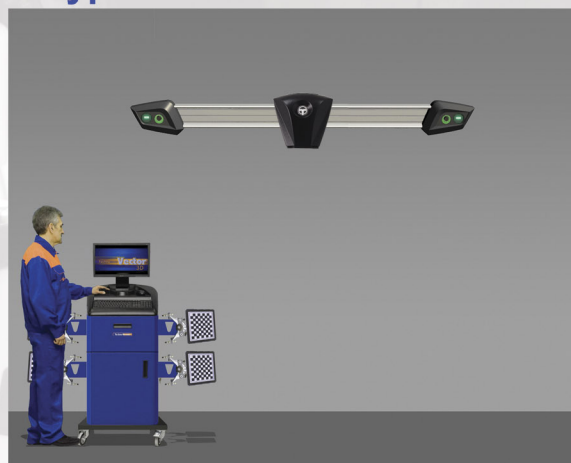of machine vision cameras in different shops

T-type

Floor-mount version of wheel aligners.
Measurements and adjustments are performed on the lift*.

* see diagram on page 2

K-type

Wall-mount version of wheel aligners.
Measurements and adjustments are performed
on the lift* or pit.

Initial installation of the device

*The initial installation of the equipment is performed
by the manufacturer's service technicians.
The device works with a 4 post wheel alignment
lift or a repair pit, compliance with the horizontality
requirements is strongly recommended.*

In the picture you can see a 2-camera wheel aligner
Techno Vector 7 Aluminum T-type with an additional
option (32'' wide-angle flat monitor)

Techno Vector Group