Techno Vector
wheel alignment systems

Techno Vector Group

Product
CATALOGUE

Techno Vector 5

with measurement units

Techno Vector 5 are computer-aided wheel aligners with infrared connection between measurement units and data transfer via WiFi

High-precision linear CCD sensors located in measurement units feed continuous information on positions of car wheels

Digital information from measurement units is fed to the PC (electronic unit) via WiFi

The PC continuously processes information and displays measurement parameters on the screen

When processing sensor signal information, the errors calculated during runout compensation are always taken into account

The computer automatically compares measurement parameters with standards from the wheel alignment database that contains over 40 000 vehicles

The technician works with the PC using the keyboard, mouse or remote controller

Even with a low-end ***Techno Vector*** *wheel aligner model you get the full range of options*

WiFi

Measurement units with infrared connection between the units and data transfer via WiFi are equipped with touch pad with embedded electronic levels

Self-centering clamps fit **12"** to **24"** wheel disks and are compatible with cars and light trucks

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

Techno Vector **6**

with no limits

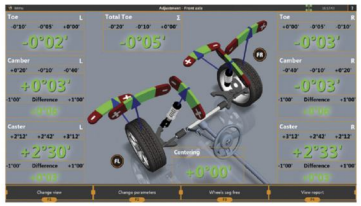
6202

Computer-based wheel aligner with no limits!

- Installation even in space-limited environment (no limits on the distance between the lift and the front wall)
- Measurements and adjustments at any height of the lift
- Not attached to a certain workplace
- Requires no assembling

FREE MOTION

3D visualization of measurement results



High-definition video cameras provide a quick and reliable target "capture" and wireless data transfer to the PC via WiFi

6202 M

Post (set of 2 pcs)

2 measurement units and **4** measurement targets included

Bracket for scissor lift (set of 2 pcs)

Techno Vector **7**

3D wheel aligners

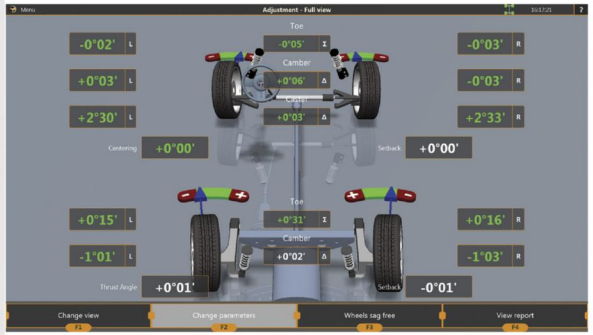
Techno Vector 7
wheel aligner
for vehicles with
12 to 24” disks

Video cameras and targets
are used to measure angle parameters that determine positions of car axes and wheels

WideScope®

The **WideScope technology** makes it possible to increase the range of working heights of the lift up to twice as much as similar wheel aligners of other companies

The ultimate innovation in wheel alignment



3D visualization
of measurement results

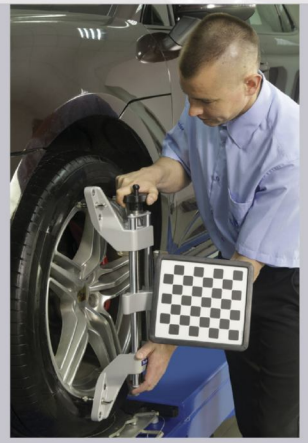
Wheel aligners include a **machine vision system** which consists of 4 or 2 video cameras located in special housings (installed in front of a car) and measurement targets

4-camera wheel aligners

2-camera wheel aligners

3D technologies
allow high-precision measurements

Special camera firmware
promotes a high speed screen refresh



Target

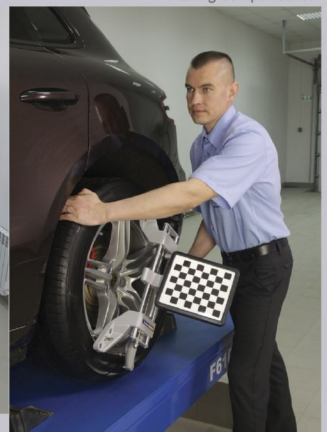
Compact and easy targets

One target for each wheel

Easy to handle

Mounting clamp and target easily at the same time

Rolling compensation

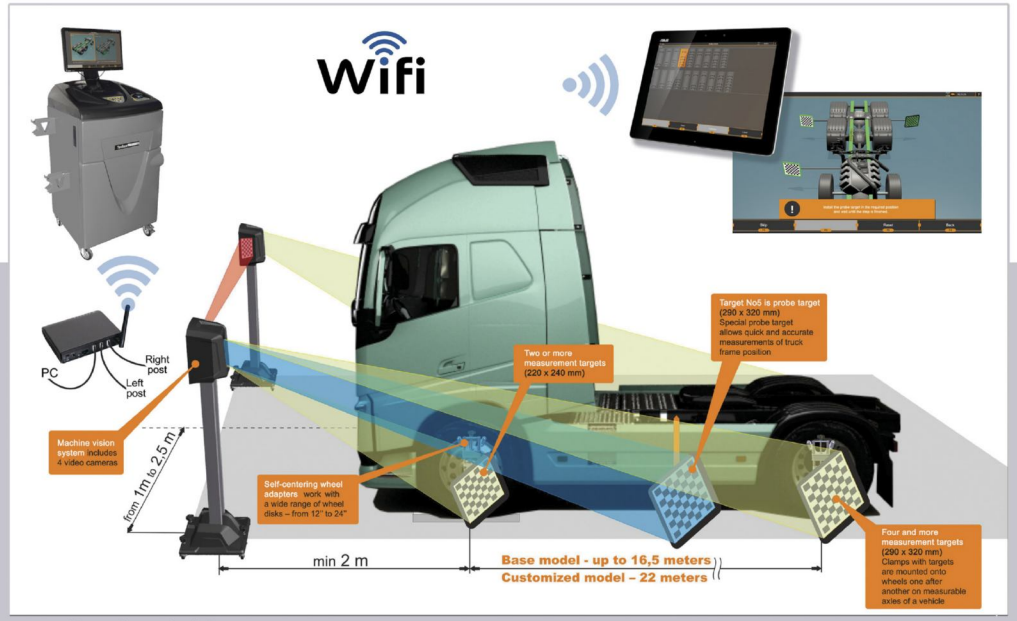


Techno Vector **7 Truck**

for trucks

4 measurement digital HD video cameras
recognize positions of targets in space
+ 1 extra camera or shaff with reference targets used for automatic correspondence calibration of measurent cameras (for mobile wheel aligners)

Techno Vector 7 3D wheel aligners for trucks designed to take measurements and make adjustments on trucks became the Runner-Up International **A' Design Award & Competition** in the Engineering and Technical Design Category 2016-2017



Operating principle

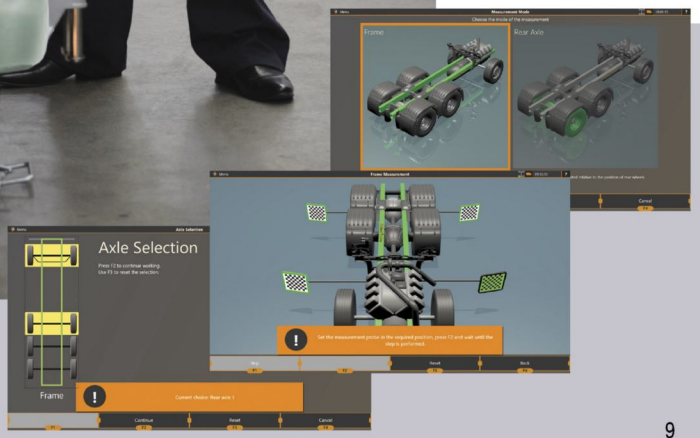
Innovation in Wheel Alignment

Measurement of truck frame position

Special probe target

allows quick and accurate measurements of truck frame position in order to determine the vehicle centerline

3D visualization of measurement results



Techno Vector **7 Truck**

for trucks

4 digital HD video cameras recognize positions of measurement targets in space

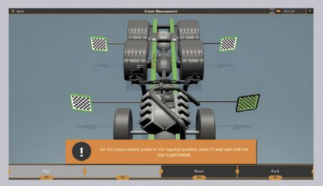
Posts allow setting camera positions to the height of 1.8 – 2.6 meters

Such adjustment is carried out during the first installation of the wheel aligner

Measurement of truck frame position

Special probe target

allows quick and accurate measurements of truck frame position in order to determine the vehicle centerline



3D visualization of measurement results

Techno Vector Software

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

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**

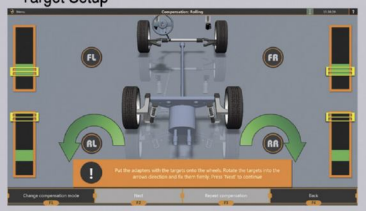
Windows 10

Measurement Mode

Database Image View

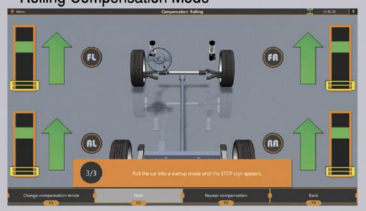
3D Adjustment Mode

Target Setup



2D Adjustment Mode

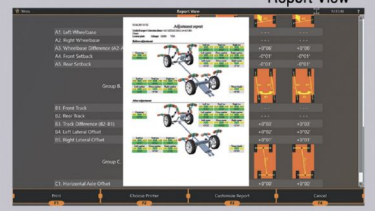
Rolling Compensation Mode



Help System

The electronic Help system contains thorough information on working with the wheel alignment machine and software
- video for working with the equipment
- video tutorials on working with the software
- information on adjustments
  - diagrams, mages, video, 3D animation

Report View



3D Animation

Free annual software updates

Techno Vector

Precision in Motion