

Wheel alignment machines with **3D Technology**

TechnoVector **7** Truck

Wheel alignment
machines for trucks



Precision
in Motion



**TechnoVector 7 Truck
3D Wheel aligners**

The ultimate innovation in wheel alignment



Frame measurement

Probe target

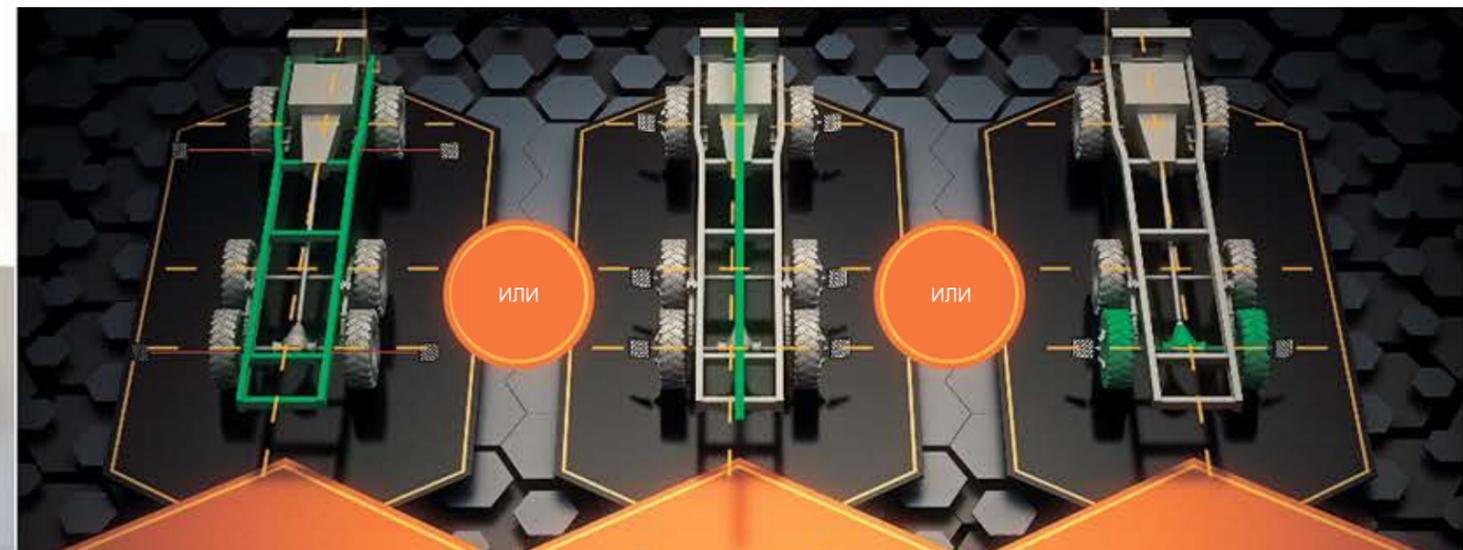
With the probe target you can easily measure the precise position of the vehicle's frame to identify a line to align toe to

4 high-definition cameras to track each target's position in 3D-space

It allows taking measurements on heavy-duty vehicles with the wheelbase up to 12 meters



Baseline selection



Frame

Geometric centerline

Rear axle

Machine vision system with 4 video cameras

Self-centering wheel adaptors support wheels with rim sizes from 15" up to 28"

Probe target to measure the vehicle's frame so that all wheels could be aligned relative to it

Clamps with targets are installed onto the axles selected to be measured

Machine vision system

Two posts.
Industrial-grade precisely calibrated IP-cameras with high-quality sensors and lossless data transfer.

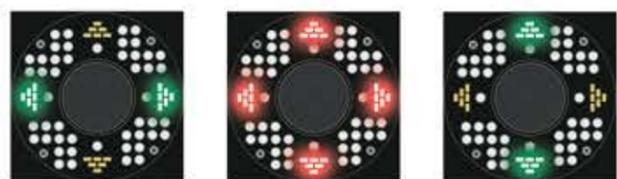
The aligner detects targets on the wheels of the vehicle and calculates their position in the 3D-space

Placement of the posts is flexible to accommodate to most of the workplaces and supports drive-through

Data from the cameras is transferred using the TCP/IP protocol over the cables or via WiFi

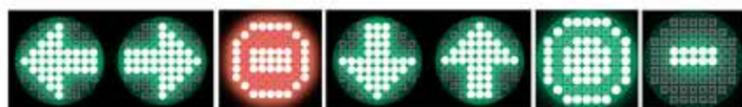
HT MC

- Two mobile posts
- Four cameras to observe the vehicle and a reference camera to track posts position relative to one another
- Additional display next to the cameras to direct your actions when there is no line of sight to the computer's screen



Caster swings Stop sign Rolling compensation direction

- Mobile version with the reference camera in one post and target in the other to make both posts coordinate systems match
- Freely move wheel the aligner around the workplace
- Move the aligner away when it's not needed
- Calibration after repositioning the aligner is not required
- Supports drive-through
- Battery power and wireless data transfer means there are no cables in the way



Caster swings Stop sign Rolling compensation System idle Data processing

- Measures up to 4 axles simultaneously.
- Supports wheel rims of sizes of up to 28" without any additional accessories required
- Rolling distance - 76cm
- Measures vehicles with wheelbase of up to 12m. Note, that trailers are measured separately



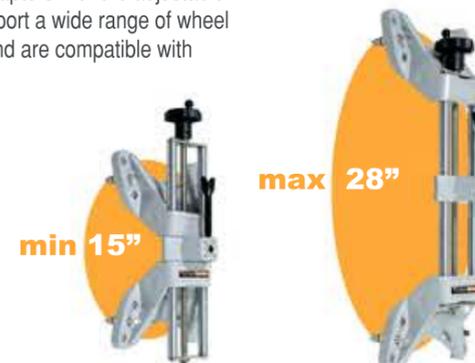
HT S

- Two stationary posts
- Four cameras
- Additional display next to the cameras to direct your actions when there is no line of sight to the computer's screen



Wheel adaptors

Self-centering wheel adaptors with the adjustable central mechanism support a wide range of wheel rims from 15" to 28" and are compatible with LCV and truck rims



Targets

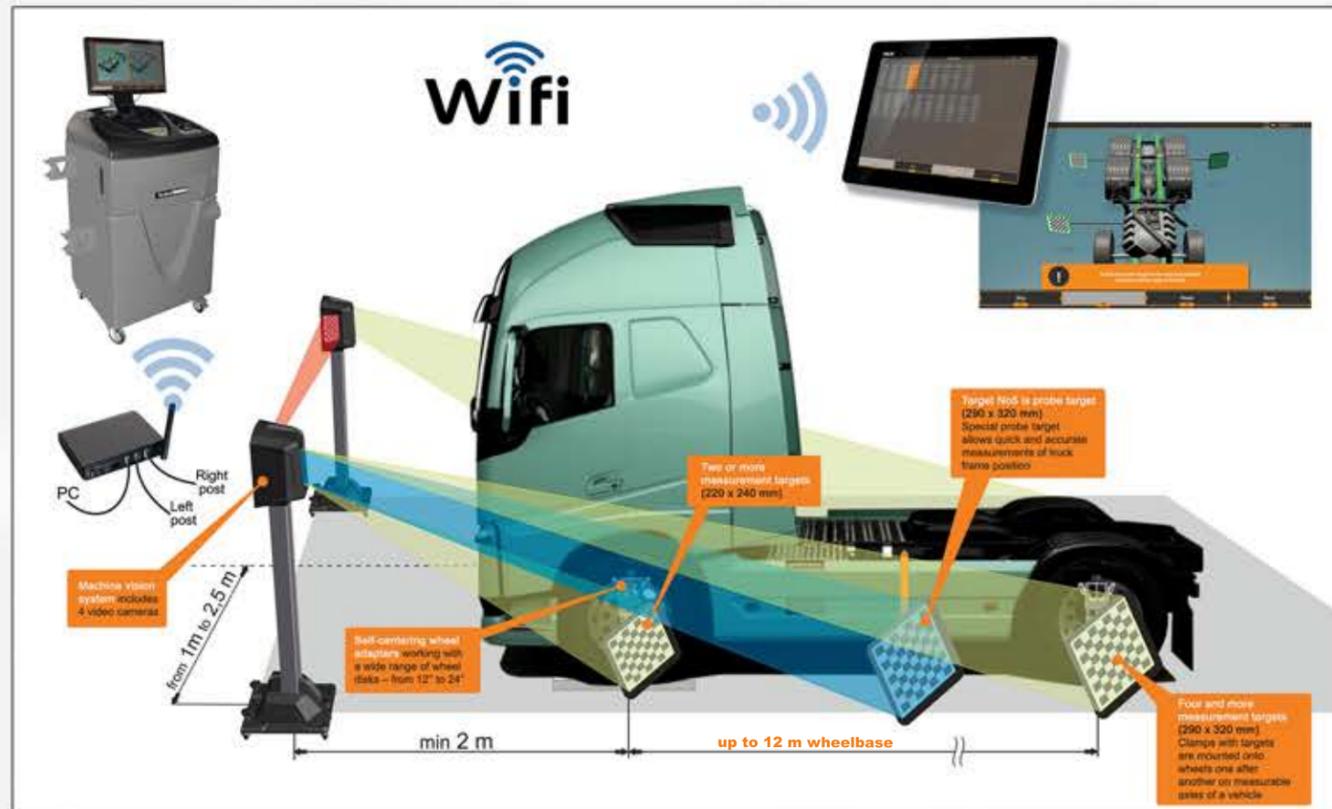
- Compact and lightweight
- No electronic components



Double-sided studs make it easy to attach wheel adaptors to both steel and light-alloy rims

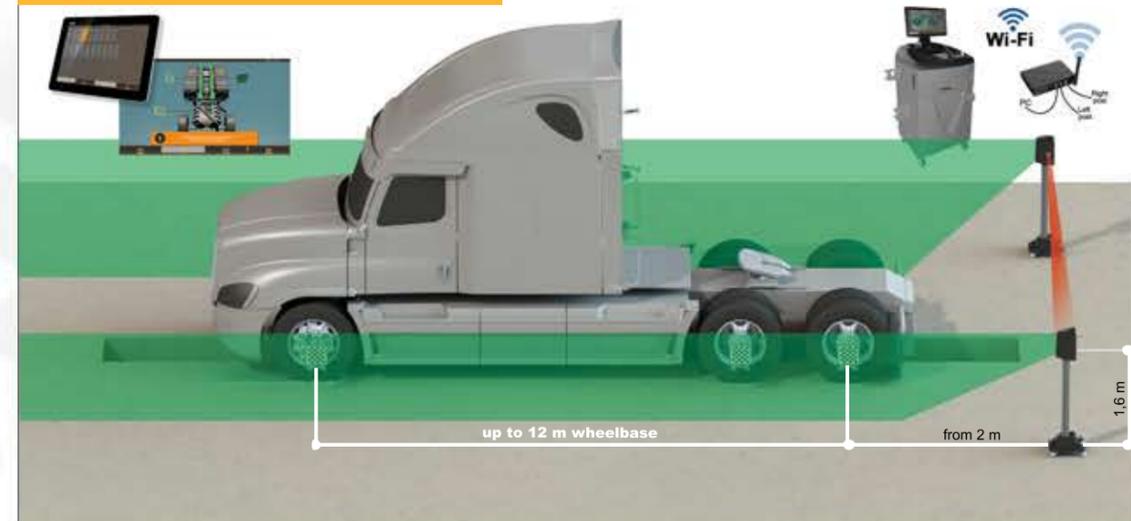


Overview



Recommended placement configurations

Supports measurement from the vehicle's backside

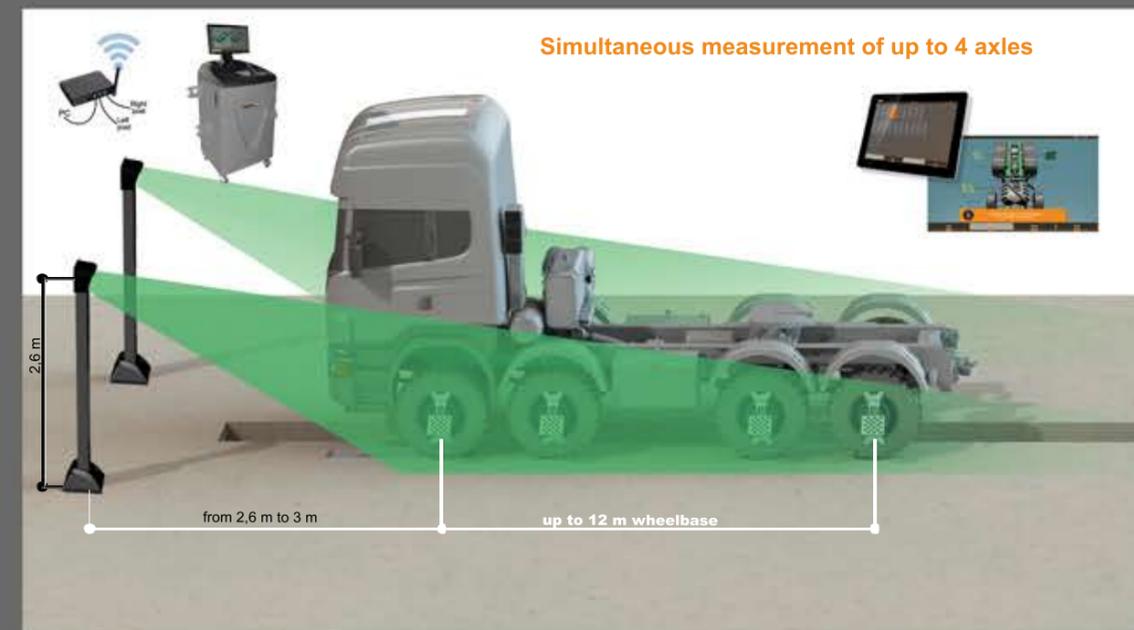


HT MC series

- 5 HD cameras
- 2 mobile posts

HT S series

- 4 HD cameras
- 2 posts



Online Reports

A full adjustment report can be viewed on a mobile device in the browser even without installing any apps. Scan a QR-code on the screen or in the print-out and the report is displayed on the mobile device (internet connection is required for the mobile device only).



- AutoFill package* features:
- License plate recognition*
 - If the vehicle is present in the customer's local database (returning customer), the vehicle model and the customer information is filled automatically

* - internet connection is required

Marking

V 7 2 0 4 H T M C
1 2 3 4 5 6 7 8 9

- 1 Computer cabinet series (P, T, V, S)
- 2 Wheel aligner's model generation (7 for TechnoVector 7 series)
- 3 The amount of axles measured simultaneously
- 4 0 – stationary, 1 – mobile
- 5 Total camera count
- 6 Housing type: H
- 7 Housing model: Truck
- 8 Mobile version: M
- 9 Additional camera: C (camera)

MC series specifics

- MC series are mobile and have an additional camera and a target to track posts' position relative to one another
- Casters with breaks to make posts' repositioning easy
- Freely move wheel the aligner around the workplace
- Move the aligner away when it's not needed
- Calibration after repositioning the posts is not required
- Supports drive-through
- Battery power and wireless data transfer means there are no cables in the way
- Connect power cables (and, optionally, network data cables) to work with the aligner while charging

Computer cabinets

P series



Premium wide cabinet

W (750mm) x D (500mm) x H (1829mm)

V series



Standard cabinet

W (675mm) x D (737mm) x H (1650mm)

T series



Compact cabinet

W (675mm) x D (800mm) x H (1600mm)

S series



Economy cabinet

W (600mm) x D (500mm) x H (1600mm)

Computer cabinet comprises

- PC with an Intel/AMD processor and Windows 11 operating system
- 21.5"+ widescreen monitor
- VESA bracket for the monitor
- Printer
- Remote control with the receiver (2.4Ghz band)
- Brackets for clamp storage

Optional equipment

Stationary stand for clamp storage



available colors



Package contents

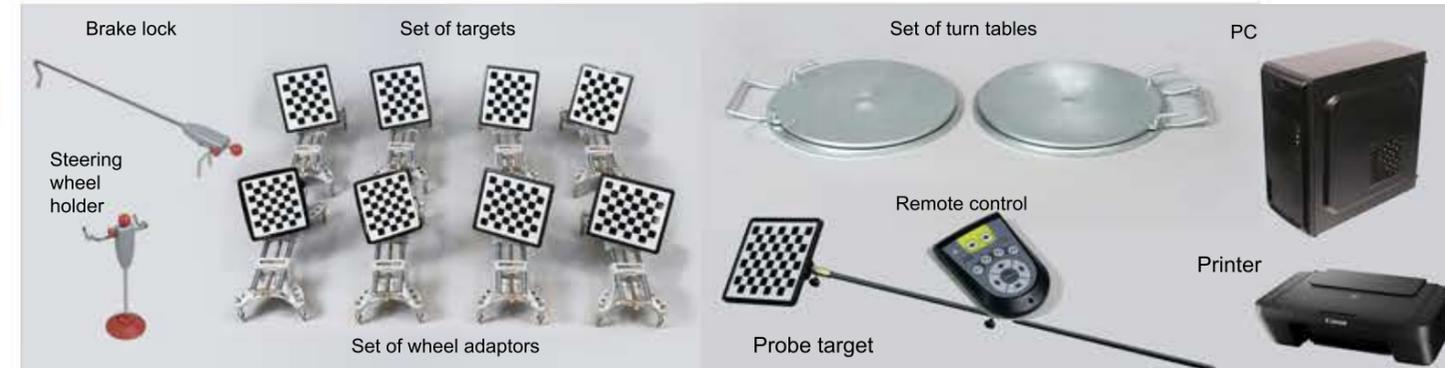
HT MC



HT S



Machine vision system	1
Computer cabinet	1
PC	1
Set of targets	4/8
Set of wheel adaptors	4/8
Steering wheel holder	1
Brake lock	1
Set of turn tables	2
Remote control	1
Remote control receiver	1
User manual	1
Printer	1
Probe target	2



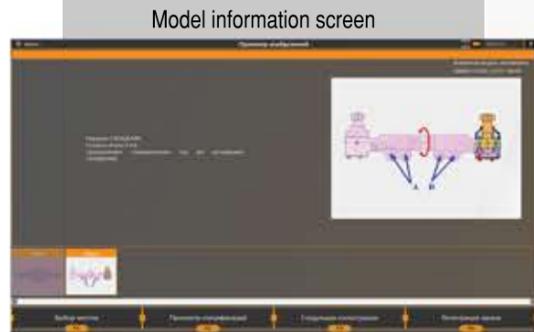
* - Optional equipment

TechnoVector Software

The TechnoVector software is a powerful and modern application with all the tools necessary for fast and easy wheel alignment



Continuously tracks wheel positions and updates the information on screen



Model information screen



Vehicle configuration screen (Truck)



Vehicle configuration screen (Trailer)

Drive-in in reverse selected



Big font and colored value state indication help you adjust the vehicle from afar

Measured values are always compared to the vehicle's specs

Fast navigation throughout the software



The Techno Vector software runs on a PC and uses the **Windows 11** operating system

Measurement screen



Adjustment screen - general view



Adjustment screen - single axle view



Report screen



Database

includes comprehensive wheel alignment data truck and car database with **over than 60 000 vehicle models**

Adjustment diagrams and images

Add custom models to your database in case the model you are interested in is missing



asanetwork

The TechnoVector software supports ASA Network (a car workshop IT framework). ASA Network supports centralised order creation and data sharing across all the devices in the workshop network



Free updates on the TechnoVector website

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