

TechnoVector 7

Wheel Alignment Systems

OUR HISTORY

1997

The first TechnoVector wheel aligner was produced.

2005

Production of the TechnoVector 5 CCD wheel aligner with PRRC (Precise Rolling and Runout Compensation) technology.

2009

The company released the first 3D wheel aligner for cars: TechnoVector 7 with the WideScope technology.

2012

Introduction of the mobile wheel aligner TechnoVector 6 with 3D Free Motion technology allowing smaller workshops to take advantage of 3D technology.

2013

The first worldwide 3D wheel aligner for truck production started

2016

The five-camera 3D mobile wheel aligner for cars & trucks and the three-camera mobile aligner for cars were released.

The five-camera 3D mobile wheel aligner for cars & trucks and the three-camera mobile aligner for cars were released.

2018

Manufacturing of the new and unique Contactless wheel aligner TechnoVecotor 8, with SmartLight technology started

2019

Production of modern and high-tech machines for automobile wheel balancing began.

2021

The world premiere of a contactless solution for heavy-duty truck alignment and express angles check.

Precision in Motion



GLOBAL PRESENCE



AUSTIN PASADENA PASADENA PASADENA

TECHNOVECTOR INC.

USA 10565 Red Bluff Rd. Pasadena, Houston, TX, 77507 Status: Official representation in the USA

technovector.us

TECHNOVECTOR BULGARIA LLC.

21 Oborishte St., 1504 Sofia, Bulgaria Status: Headquarters and main production

technovector.com

technovector.us

WHAT WE PRODUCE

MANUFACTURING

- Technovector is an ISO 9001:2015 certified production with facilities of 8,000 m² spread across a campus of 20,000 m²
- All the main components of Technovector wheel aligners, such as cameras, consoles, measuring blocks, metal parts, etc., are designed by TechnoVector Group and manufactured at the company's production facilities.
- The Equipment made in the EU
- There is an extended three-year warranty on most products.

INNOVATIONS

Continuous improvement of existing technologies and research into new principles for measuring wheel alignment has put us among the industry leaders for a decade. Ground-breaking technologies such as PRRC, WideScope, and SmartLight have become unrivaled worldwide. Technovector produces all types of wheel alignment systems: 3D, CCD, and Touchless.

TECHNOVECTOR 7

7202 / 7204 – TWO-/ FOUR-CAMERA MACHINE VISION WHEEL ALIGNMENT SYSTEMS WITH WIDESCOPE TECHNOLOGY

Angle readings at any rack height and distance up to 385" / 9.75 m. 7204 - four-camera model

Two-camera model within an effective range of working heights along with the system cost-efficiency.

Real-time accurate readings

Ultra-compact installation without loss of accuracy and process reliability.

Automatic rack incline correction



TECHNOVECTOR IPRO BM

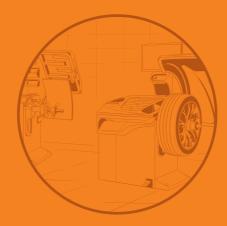
WHEEL BALANCING MACHINES IPRO BM SERIES

Short measurement cycle and high accuracy readings.

Automatic ultrasound width detection for steel-rim wheels for all models.

High degree of automation of measuring and balancing processes.

A wide range of wheel and rim imbalance and geometry determining tools Ergonomic design and system reliability.



Precision in Motion

TECHNOVECTOR 7 TRUCK&BUS

7204HTS AND 7204HTMC FOUR-CAMERA MACHINE VISION WHEEL ALIGNMENT SYSTEMS WITH WIDESCOPE TECHNOLOGY FOR HEAVY-DUTY VEHICLES

Most effective and convenient 3D wheel aligner for heavy-duty trucks on the market.

for all heavy-duty vehicles with wheelbases of up to 630 inches / 16.00 m. Up to four-axle simultaneous rolling compensation and live readings.

SechnoVector 7 Truck&Bus Mobile, which is the first in the industry and mobile solution for heavy-duty vehicles.



SMARTLIGHT

CONTACTLESS WHEEL ALIGNMENT MACHINES FOR PIT OR LIFT INSTALLATIONS

No wheel adaptors or targets on wheels

Automatic readings in seconds. Express alignment inspection or full vehicle adjustment.

More room in front and back of the vehicle

Complete and accurate full alignment check and adjustment process. Wheel Base from 79"/ 2.00 m up to 154"/ 3.90 m. Automatic rear-measuring-tower aiming. Several alignment bay configurations available.



SMARTLIGHT TRUCK&BUS

CONTACTLESS WHEEL ALIGNMENT SOLUTION FOR HEAVY-DUTY VEHICLES

The first in the industry contactless solution for heavy-duty trucks.

All the benefits of SMARTLIGHT technology for express alignment inspection and total adjustment of heavy vehicles.

Rear automatic movable columns for multi-axle measurement and adjustmen



VELOX

CONTACTLESS WHEEL ALIGNMENT EXPRESS CHECK MACHINES

Contactless technology for an express alignment inspection.

Automatic and accurate readings in seconds.

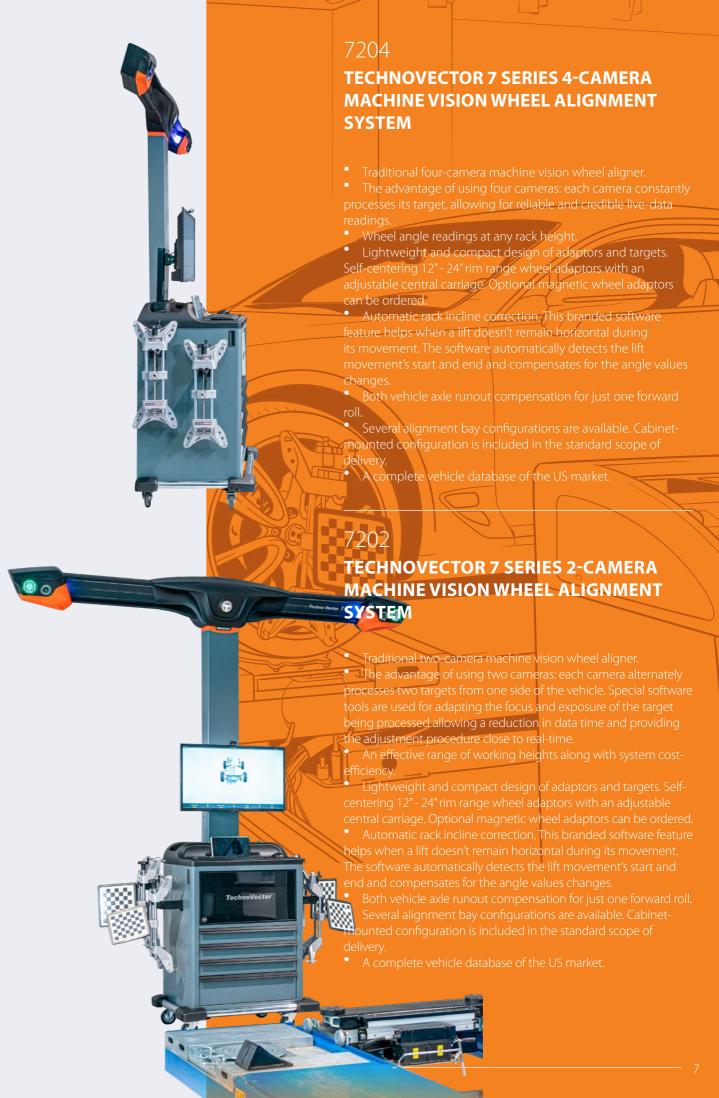
Four-column configuration for a full alignment check and two-column system for time appelled inspection.





TechnoVector Group technovector.us









WIDESCOPE

Unique WideScope technology allows readings and angles adjustment in a wide range of rack heights without adapting the measuring system, enabling compact system placement without

CAMERAS

High-definition cameras for immediate and stable target capture and a high-speed image transfer over TCP/IP. The

WHEEL **ADAPTORS**

Lightweight and compact design of adaptors and targets. Self-centering 2" - 24" rim range whee

TARGETS

High definition targets are coated with a protective layer and contain no electronic components. A super-light magnesium alloy target base and

AUTOMATIC RACK INCLINE CORRECTION

This branded software feature helps when a lift doesn't remain software automatically detects lift





THE SOFTWARE / THE POWERFUL **AND RELIABLE ALIGNER CONTROL TOOL***

* Runs under Windows 10



MUTOR DRIVEN

- Continuous data processing and live-reading displaying. Automatic step transition during measurement and adjustment procedures.
- Readings are automatically compared with
- Quick program modes access:Database View; Target Setup & Rolling Compensation Mode; Reading Mode; 3D Adjustment; 3D Visualization; 2D Adjustment; 2D visualization; Report View.
- An OEM specification database for more than 60,000 vehicles, including primary angles values, tire pressure specifications, 3D animation, adjustment diagrams & drawings.
- The comprehensive electronic help system contains quick workflow navigation or equipment

Extremely fast readings refresh. The software keeps up with the cameras' live data speed of 40 frames per second. Multiple target detection passes allow operation in extremely bright bays. The multithreaded architecture utilizes all the capabilities of modern multi-core processors. Scales correctly on every modern display, including preloaded to eliminate possible pauses while reading

- Animated 3D model of a generic car chassis. Wheel positions are pictured according to measured values of the toe, camber & caster. The adjustment mode has several views: each wheel, each axle, a general view, a geometry view, and a 2D-mode.
- The software utilizes the latest version of the complete US local market vehicle MOTOR Driven™ database. The choice of a vehicle a specification. Adjustment procedures in illustrated OEM manuals. Regular database
- The software employs all the modern techniques to improve the accuracy of calculating targets positions in 3-dimensional space. data instability due to vibrations
 - The software automatically

- An intuitive workflow that uses only four navigation buttons at the bottom of the screen. Helpful drawings and OEM illustrations to remind the technician of procedural actions that have to be performed. The orders data time. All the navigation throughout most of the program workflow can be completed using hotkeys on the remote control or the keyboard.
- in positioning the vehicle on a rack and can be set up for automatic car license plate recognition. The final multiple templates and customization

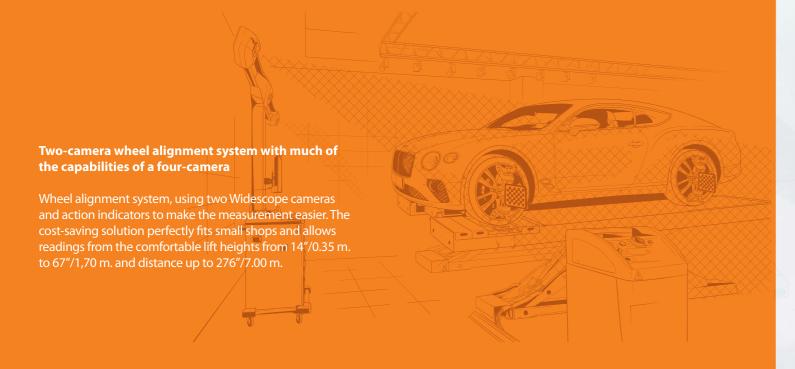
- An operator can select default modes for compensation, measurement, or adjustment and several other finetuning workflow settings. A statistics screen with wheel aligner productivity data is available, displaying quantity of adjustments over a given time frame, average adjustment time, etc. Tire
- reports to a customer's phone or email

Precision in Motion



7202 OR 7204: MODELS' VISION RANGE CHART





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WHAT'S IN THE BOX

OPTIONAL

- Magnetic wheel adapters for faster targets on wheel installation. This type of clamp allows for improved target attachment convenience and enhanced alignment bay operation speed. Usage increases the efficiency of the wheel aligner, makes work simpler and provides no adaptor rim contact.
- The 32" monitor can be supplied instead of the standard one and can be mounted on a regular bracket.
- Adaptor extensions to increase the upper working range from 24" to 28". The kit of sixteen pieces.
- Barcode & QR-code reader for automatic vehicle specification recall upon VIN reading.

MOBILE DEVICE SUPPORT

- Mobile Apps are available for free downloading from Android Google Play or iOS App Store.
- Live readings on the aligner's mobile device screen. Main Mobile Apps features are: supporting a device as a remote control; saving and displaying aligner readings and/or adjustment results in a customer's device, viewing and exporting of reports as an HTML or PDF.
- Offline mobile features: obtaining an alignment report using a QR code on the aligner screen or printout; viewing of a complete adjustment report in a mobile device browser upon QR-code scanning without an additional application on the device or internet connection.

1] Machine Vision System

Measuring systems with Four or Two Widescope high-resolution cameras.

2] Computer Console

Convenient clamps and targets storage design, 21,5" or above LCD monitor with monitor bracket, Universal telescopic monitor bracket for LCD position adjusting (height and inclination angle) to provide maximum operator' usability, Color Printer.

3] Set four HD Targets & Selfcentering Wheel Adaptors

Don't comprise any electronic components.

High-quality photo masked images to maximize the wheel aligner's accuracy. Lightweight and durable magnesium alloy targets are covered with a protective oil-and-petrol resistant layer.

4] Electronic Unit

Powerful and reliable Windows 10 OS desktop.

5] Steering Wheel Depressor & Brake Depressor 6] Set of Turn Tables 7] Remote Kit 8] Manual

