

VISION CHECK

ADAS diagnosis - Wheel alignment

Accuracy and reliability for vehicle safety



NEW

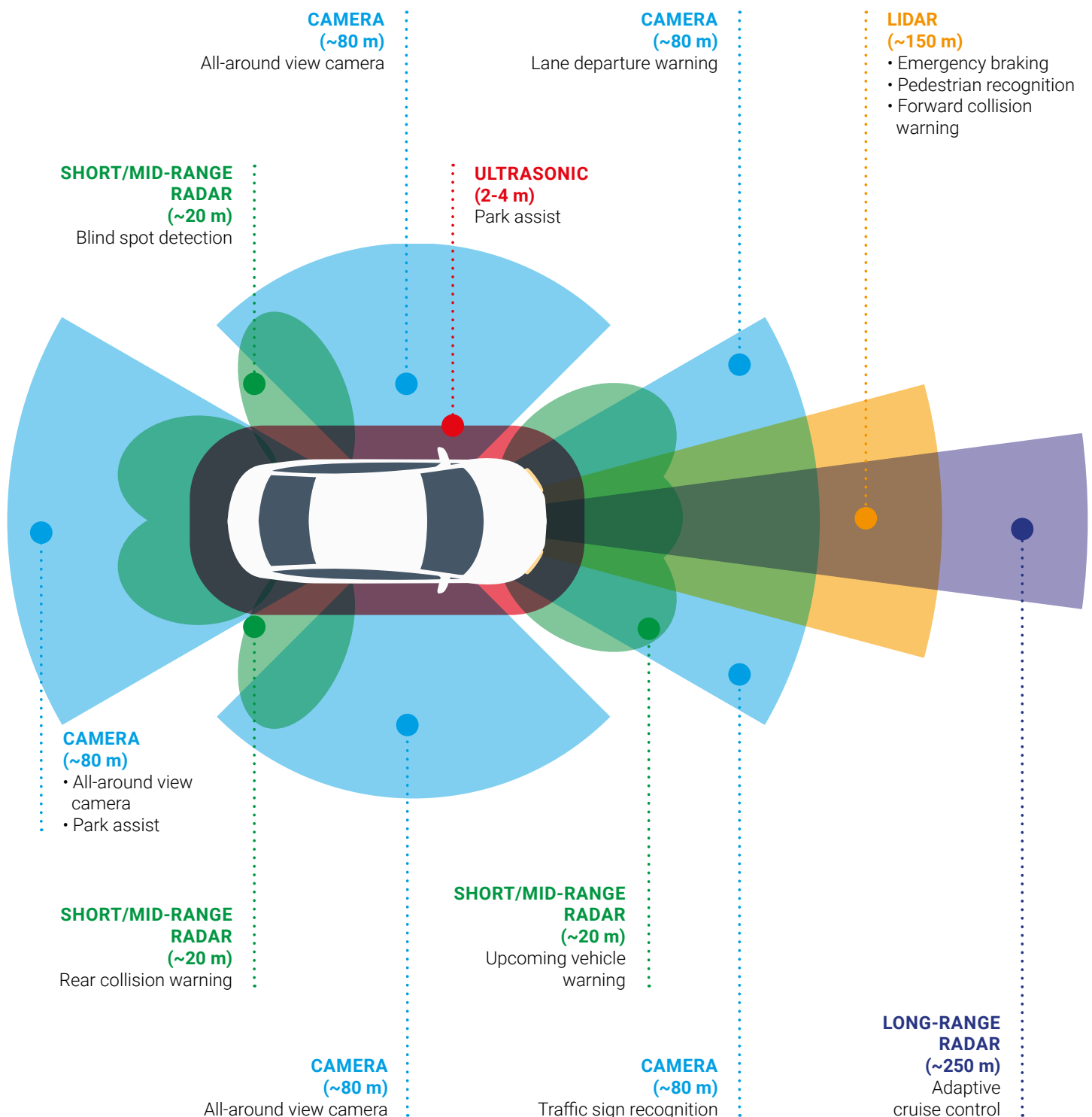
The range of products
for ADAS calibration,
wheel alignment check
and adjustment

TEXA

TEXA: specialists in checking and calibrating the ADAS

Designed to guarantee safety and comfort while driving, the ADAS (Advanced Driver Assistance Systems) are ever more common in latest-generation vehicles.

Cameras, radars, lidars and sensors must be recalibrated if replaced, but also when repairs that affect them are needed, such as: **windscreen** and **bumper replacement**, **suspension repair**, **wheel alignment**, **body repair** or **painting affecting the areas where the ADAS sensors or electronics are positioned**, etc.



Before proceeding with the calibration, it is also good practice to carry out **a check on the vehicle's alignment**. If needed, the parameters will be adjusted within the tolerances specified by the manufacturers.

Knowing how to act at your best in this field is strategic in order to keep up with the times and offer your customers first-class assistance.

TEXA's solutions meet the specifications required by vehicle manufacturers and guarantee a coverage that is unique on the market:

- | | | |
|---------------------|-----------------|---------------|
| • ABARTH | • GENESIS | • MINI |
| • ACURA | • GMC | • MITSUBISHI |
| • ALFA ROMEO | • HONDA | • NISSAN |
| • ASTON MARTIN | • HYUNDAI | • OPEL |
| • AUDI | • INFINITI | • PEUGEOT |
| • BENTLEY | • ISUZU | • PORSCHE |
| • BMW | • IVECO | • POLESTAR |
| • BUICK | • JEEP | • RAM |
| • BYD | • KG MOBILITY | • RENAULT |
| • CADILLAC | • KIA | • ROLLS-ROYCE |
| • CHEVROLET | • LAMBORGHINI | • SEAT |
| • CITROEN | • LANCIA | • SKODA |
| • CUPRA | • LDV | • SMART |
| • DACIA | • LEXUS | • SSANGYONG |
| • DAIHATSU | • LINCOLN | • SUBARU |
| • DODGE | • MAN | • SUZUKI |
| • DS | • MASERATI | • TESLA |
| • FERRARI | • MAXUS | • TOYOTA |
| • FIAT | • MAZDA | • VENUZIA |
| • FIAT PROFESSIONAL | • MERCEDES-BENZ | • VOLKSWAGEN |
| • FORD | • MG | • VOLVO |

The best of technology, applied to ADAS calibration and wheel alignment

VISION CHECK is an innovative **range of highly automated products** that offers an extraordinarily practical, simple, and fast **ADAS calibration** and **wheel alignment check** experience.

Two aspects that, now more than ever, are essential for drivers, as they affect their **safety on the road**. Checking the wheel alignment periodically and calibrating sensors and radars properly allows having efficient and safe vehicles for drivers and others.

VISION CHECK makes all this possible and **its design features minimise the effort required for positioning it with respect to the vehicle**.



*Easy to use
thanks to the digital panels*

*Included with
TEXPACK*

The number of digital panels that can be reproduced on-screen is constantly increasing, as of today there are approximately 30.

One range, 3 products

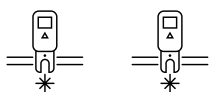
VISION CHECK reflects TEXA's constant commitment to developing advanced technologies, which translate into top-notch solutions that can meet the growing needs for efficiency and accuracy in modern workshops.

The range is divided into three product lines, each designed for the different operational needs of repair professionals.

VISION CHECK START:

for **ADAS calibrations**

2x
laser distance measurers



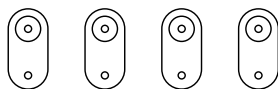
2x
standard targets



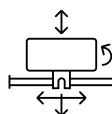
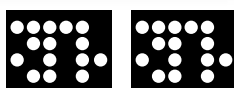
VISION CHECK LIGHT:

with a **self-positioning** unit
for **ADAS calibrations**

4x
high-resolution cameras



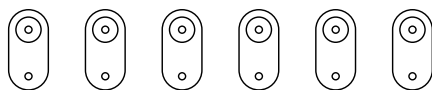
2x
advanced targets



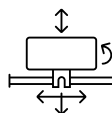
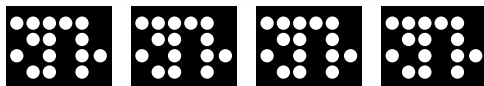
VISION CHECK PLUS:

with a **self-positioning** unit for **ADAS calibrations**,
wheel alignment checks and **adjustments**

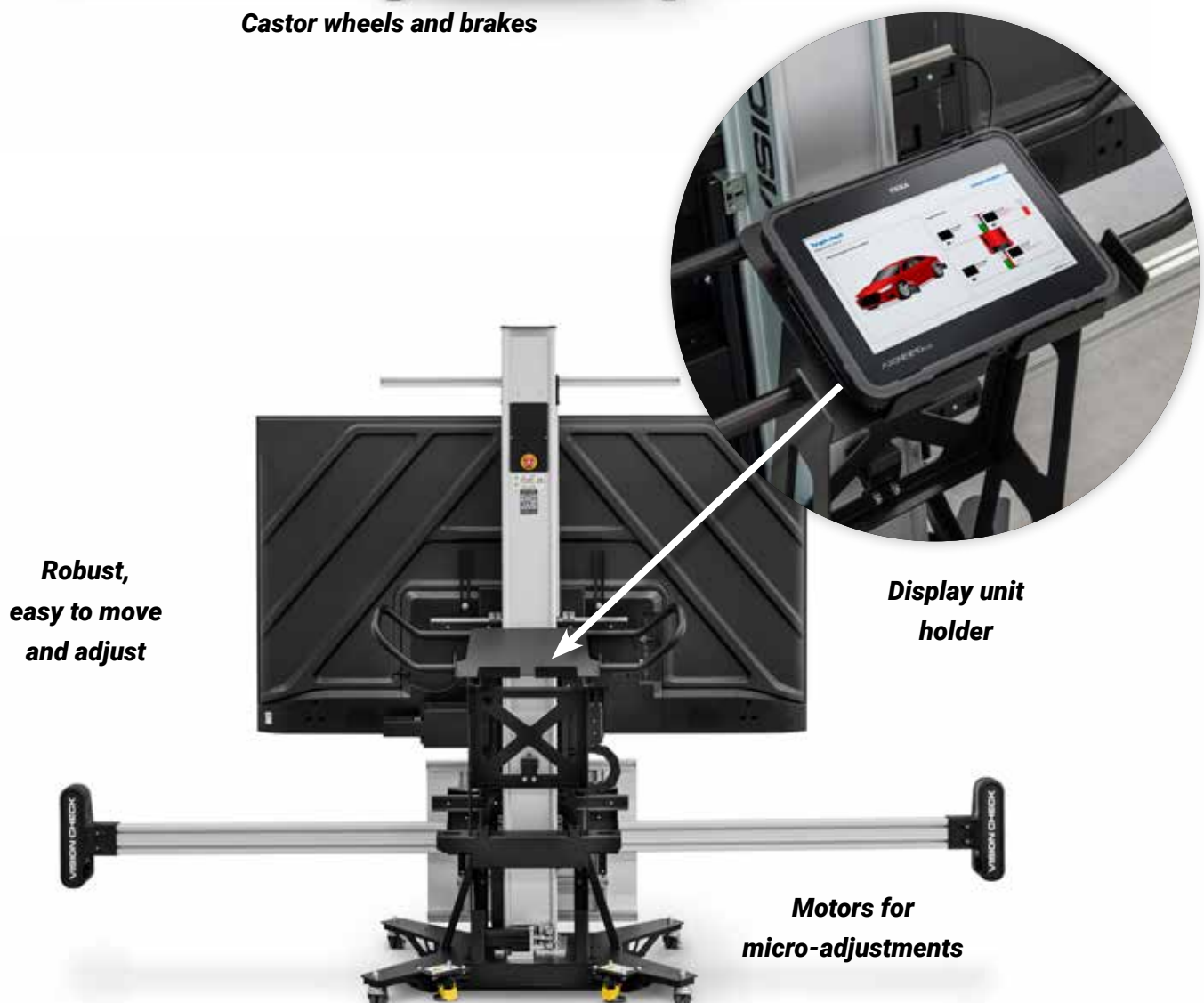
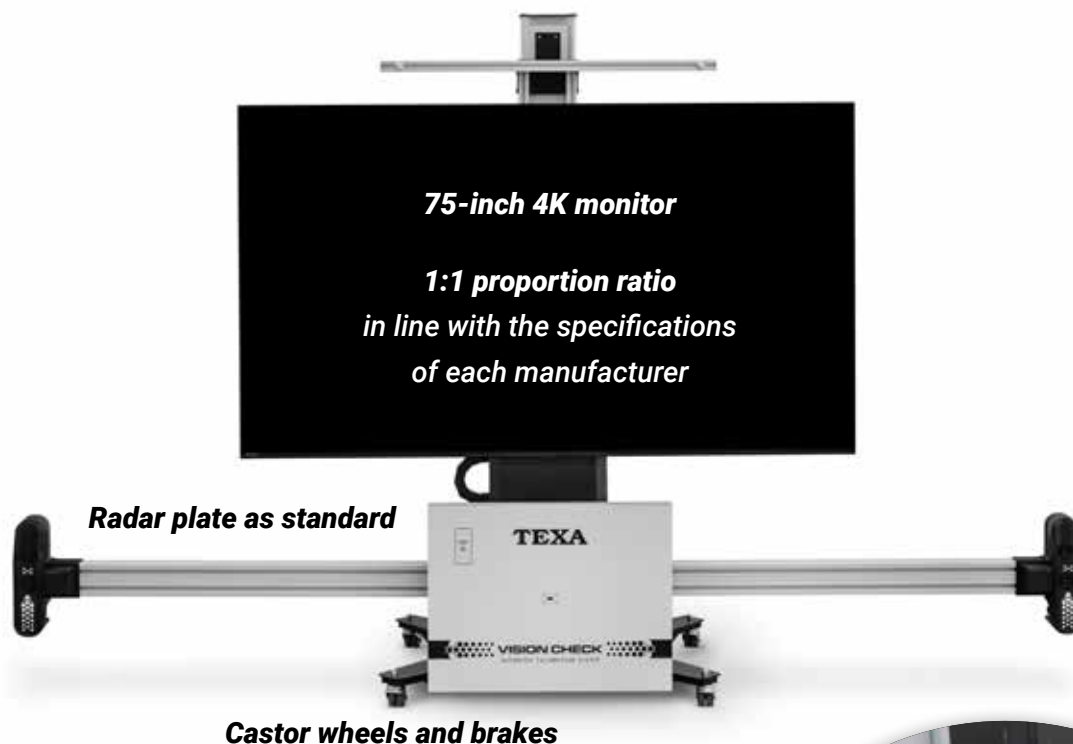
6x
high-resolution cameras



4x
advanced targets



VISION CHECK: details and features of the range





Possibility to hook the radar plate
in order to move the unit safely



Radar plate tilt



Locking brake

High-visibility warning LEDs for quick and intuitive unit checking



Target base for camera calibration and integrated PC module for managing the unit each time VISION CHECK LIGHT and VISION CHECK PLUS are started

Engine group for micro-adjustments along the three axes present on VISION CHECK LIGHT and VISION CHECK PLUS



Standard calibration target
for tire clamps on VISION CHECK START



Advanced calibration target
for rim clamps on VISION CHECK LIGHT
and VISION CHECK PLUS





VISION CHECK START: intuitive, quick and precise ADAS calibration

With VISION CHECK START, the **ADAS calibration is carried out in complete safety and in compliance with the strict criteria defined by each manufacturer**. The use of laser distance measurers, fixed at the ends of the horizontal adjustment bar, and of targets to be positioned on the rear wheels, guarantees optimal ease of use and absolute measurement precision.

The automated vertical adjustment assists the technician in the accurate positioning of the unit, sensibly reducing the time required and guaranteeing a pinpoint precision.

The integration with the diagnostic software by TEXA, IDC6, allows starting the guided operation offering step-by-step support throughout the entire process.

TEXA's solution guarantees the **compatibility with over 65 makes** and many models thanks to the wide range of accessories and **digital panels with a 1:1 ratio**. The respect of the original dimensions and the correct **assisted positioning of the unit** are the only method that guarantees the targets are used faithfully as prescribed by the manufacturers.





It requires:



ADAS

+



ADAS

Another great advantage of VISION CHECK is that it can be used straight off, without any specific training, as the **technician is guided in every phase of the calibration** by intuitive graphics and clear instructions shown directly on the diagnostic display unit.

**Do you already have a
TEXA diagnostic solution?**



Your subscribed IDC6 CAR license
is already enabled to manage
VISION CHECK START



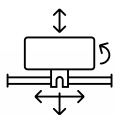
VISION CHECK LIGHT: perfect vehicle alignment with TEXA MULTI FIX®

The ADAS calibration is ever more requested to repair professionals, as it goes hand in hand with the progressive spread of vehicles equipped with such devices for driver and passenger safety.



For this reason, it is important to have suitable equipment, which can return perfectly calibrated and safe vehicles in a very short time. To offer an even more complete and professional service, VISION CHECK, starting from the LIGHT version, is equipped with the new TEXA MULTI FIX® technology and high-resolution cameras that communicate with the new advanced targets. These latter are calibrated and uniquely identified by the IDC6 software and are equipped with photoelectric technology and Gorilla Glass protection.





ADAS CALIBRATION

SELF-POSITIONING



It requires:



ADAS

+



ADAS

TEXA MULTI FIX® is the automatic system developed and patented by TEXA, which allows positioning and aligning VISION CHECK quickly and with maximum precision. Through the support of a very intuitive software application, it is possible to perform three movements that are as simple as they are essential: a **vertical translation**, a **horizontal translation** and a **rotation**.

Do you already have a
TEXA diagnostic solution?



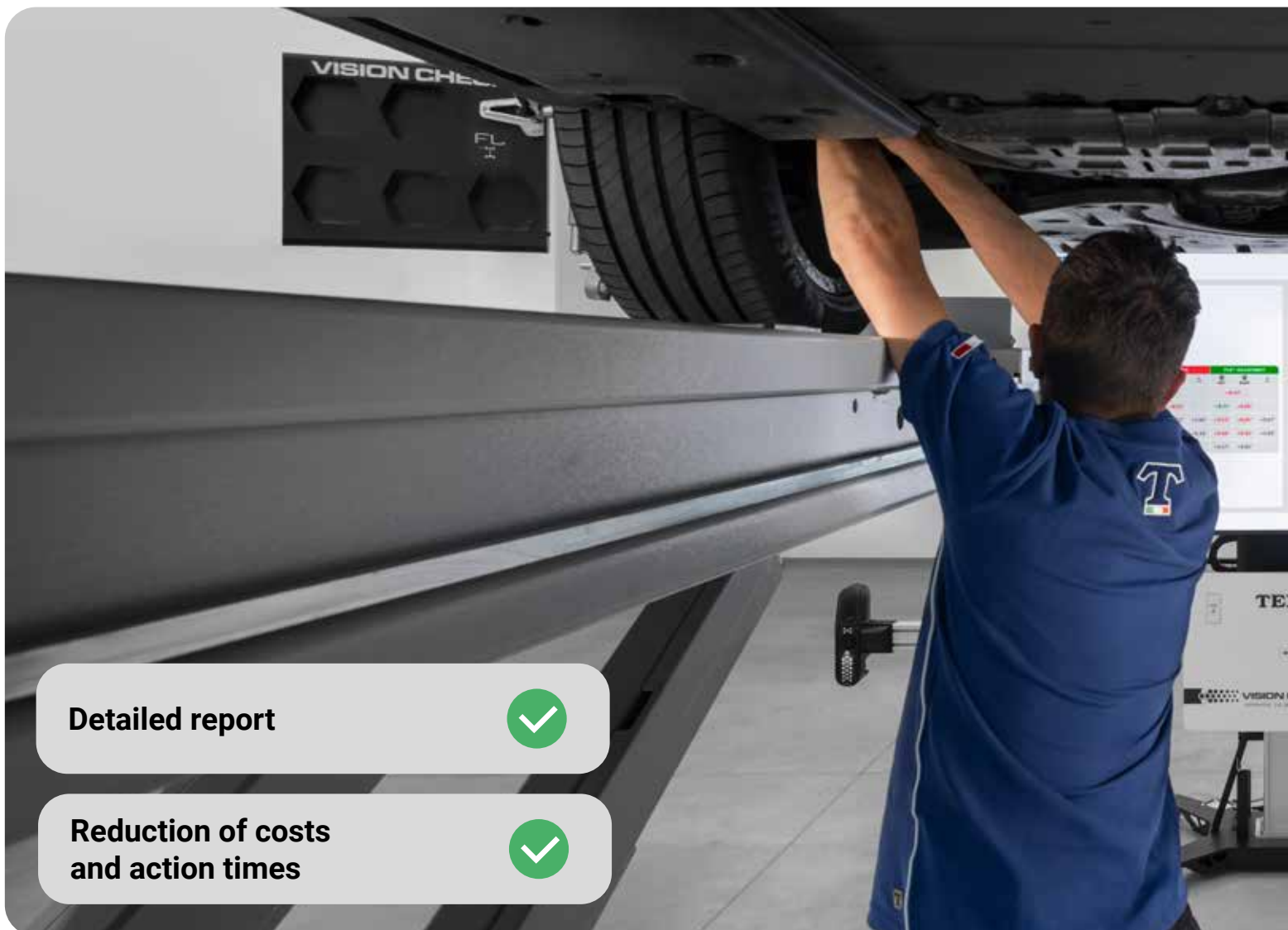
Your subscribed IDC6 CAR license
is already enabled to manage
VISION CHECK LIGHT



VISION CHECK PLUS: state-of-the-art wheel alignment, guaranteed performances

The alignment of a vehicle includes all the adjustments related to the inclination and position of the wheels and suspensions with respect to the chassis. A correct wheel alignment reduces irregular tyre wear and, above all, improves road holding. Before any calibration, it is very important, in addition to verifying the alignment of the unit with respect to the vehicle, to also check the alignment of the vehicle on which the operation is being performed. From a modularity perspective, VISION CHECK, in the **top-of-the-range PLUS version**, in addition to performing the ADAS calibration, allows checking and adjusting the wheel alignment, thanks to the presence of six high-resolution cameras.

The **wheel alignment check and adjustment** concerns verifying the suspension geometry and vehicle position with respect to the ground. A very important process, as a correct wheel alignment **guarantees stability, safety and optimal performance** while driving. The check must be done periodically, and especially after an impact with a curb or deep hole, if any steering difficulty or uneven tyre wear is noticed, or after replacing any suspension-related components. There are four parameters to consider for a correct wheel alignment: **toe, thrust axis, camber and caster**.

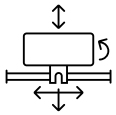


Detailed report



Reduction of costs
and action times





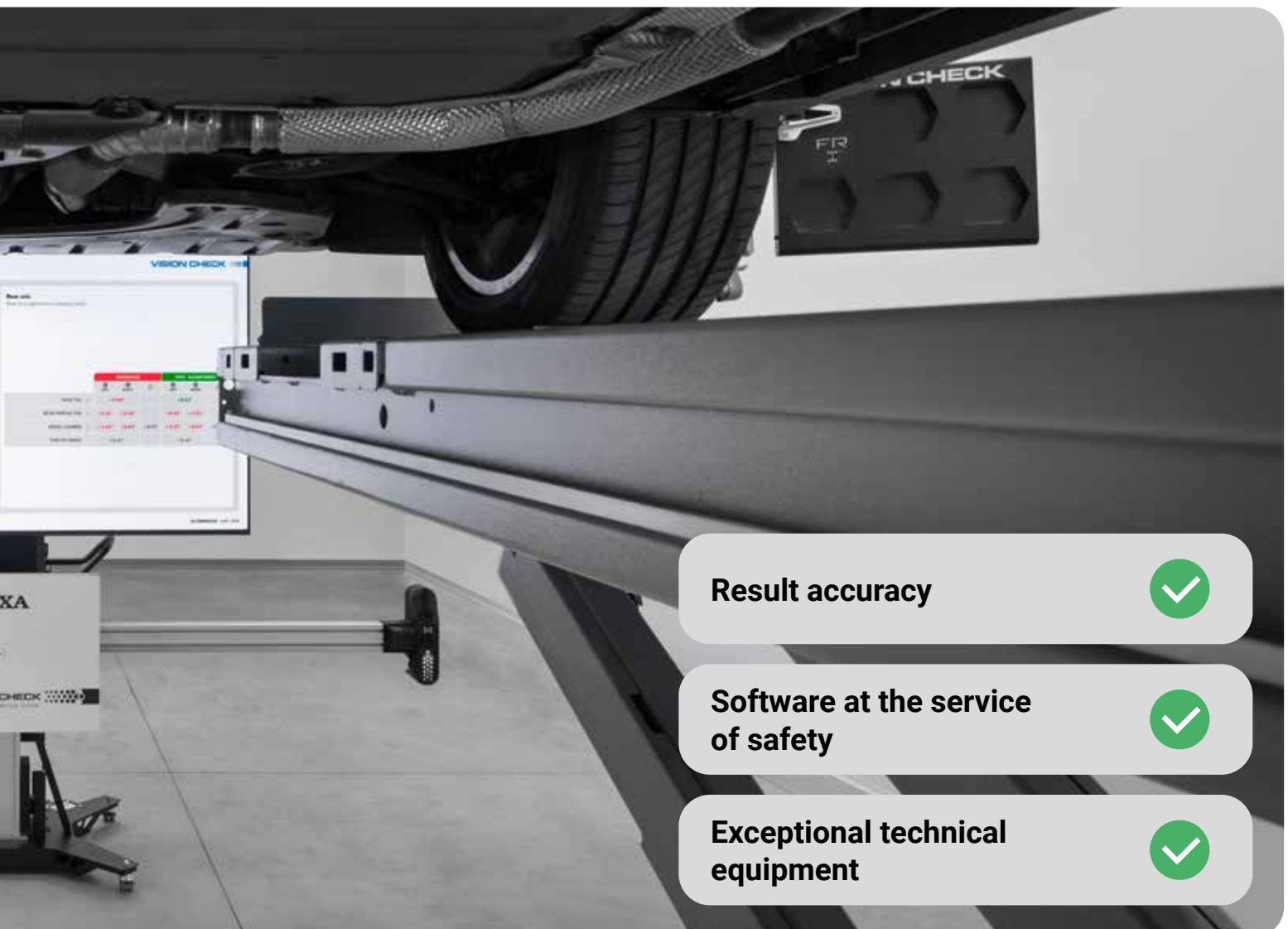
ADAS CALIBRATION

SELF-POSITIONING

WHEEL ALIGNMENT
CHECK AND ADJUSTMENT

All this is extremely easy: once the vehicle is positioned on a level alignment bench, the screen performs vertical and horizontal translations and rotations through the support of a very intuitive software application. This leads to a **complete geometric detection of the vehicle** thanks to continuous visual communication between **the cameras, the four advanced targets installed on the wheels, and the management software**. This makes it possible to accurately measure the parameters indicated above. **The detected values are compared with the ones prescribed by the manufacturer.**

If deviations emerge, it is sufficient to intervene by manually adjusting the alignment elements, such as tie rods or suspension arms, until the parameters are brought back within the correct tolerances. **A final check guarantees that all the adjustments have been correctly made** and the steering wheel is perfectly centred. At the end of the procedure, **VISION CHECK PLUS generates a detailed report** with the values before and after the adjustment, guaranteeing a highly professional, precise, and transparent service.



Result accuracy

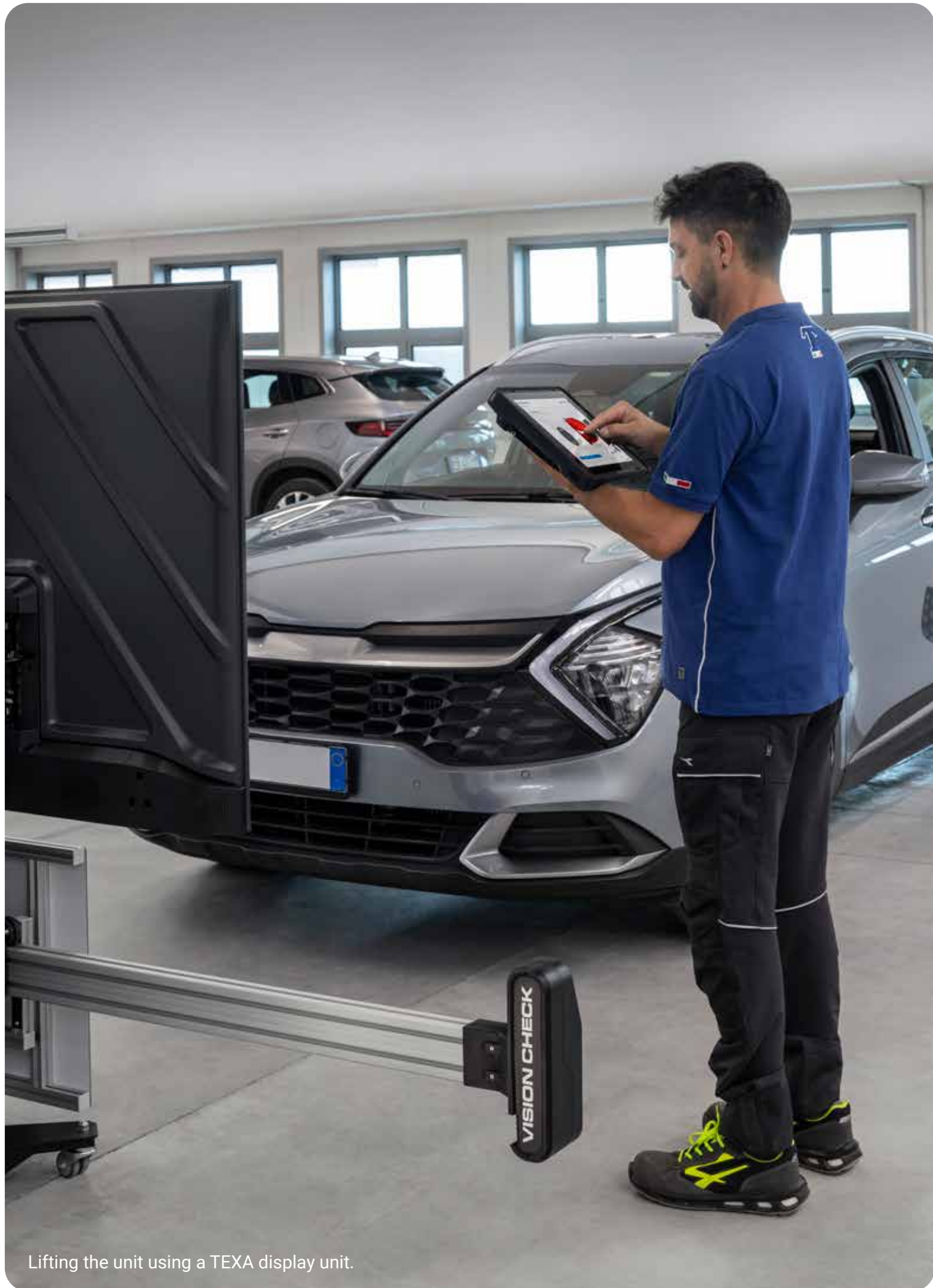


Software at the service
of safety



Exceptional technical
equipment





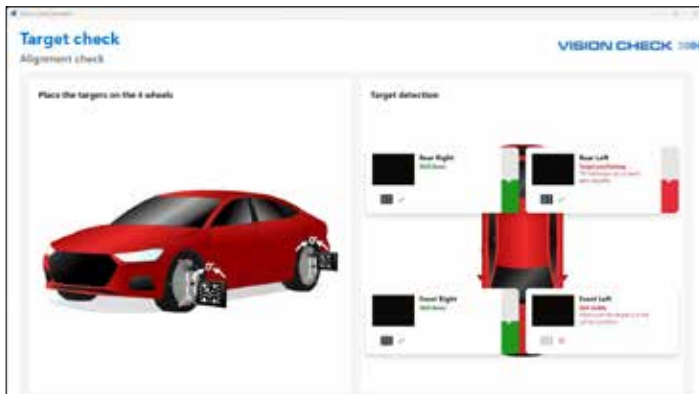
Lifting the unit using a TEXA display unit.

Software-guided procedure

ADAS CALIBRATION

SELF-POSITIONING

WHEEL ALIGNMENT
CHECK AND ADJUSTMENT



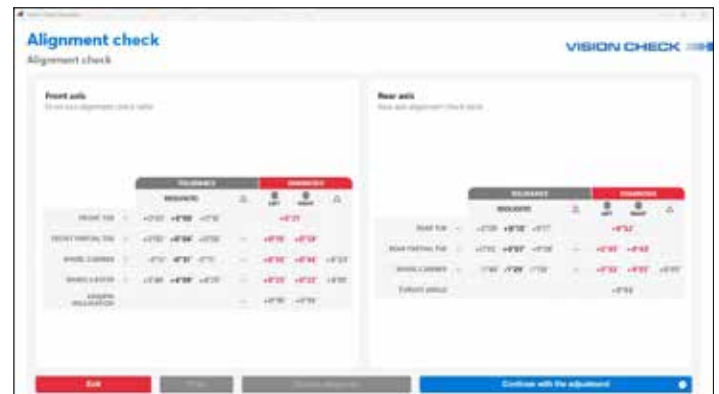
Target check. After positioning VISION CHECK in front of the vehicle, the technician installs the four targets on the wheels, carrying out micro-adjustments until reaching the correct positioning.



Floor measurement. For each vehicle wheel, the target must be positioned as indicated in the software: this allows taking the floor references.



Fine unit positioning. In this case, the precise position of VISION CHECK with respect to the vehicle must be found. This is possible thanks to the step-by-step indications from the dedicated software.



Alignment check. The VISION CHECK software shows an overview screen with the values detected on the vehicle and compares them with the manufacturer requirements.



Front and rear axle adjustment. The operator can see an intuitive live display of the toe, camber and thrust angle values.



Alignment summary. Once all the wheel alignment setting phases are complete, the values detected on the front and rear axle can be compared thanks to an easy-to-read software screen.



The 2 additional cameras in the VISION CHECK PLUS version allow an easy detection of the targets when the car is raised on the workshop lift.



ADAS CALIBRATION

SELF-POSITIONING

WHEEL ALIGNMENT
CHECK AND ADJUSTMENT

It requires:



ADAS + WHEEL
ALIGNMENT



ADAS + WHEEL
ALIGNMENT

Do you already have a TEXA diagnostic solution?



VISION CHECK PLUS includes the IDC6 WHEEL ALIGNMENT licence.
Combine the licence with the TEXPACK WHEEL ALIGNMENT
to take advantage of the potential of VISION CHECK PLUS.



WHEEL
ALIGNMENT



WHEEL
ALIGNMENT



The guided procedure in the software helps the operator in the various phases, through clear and intuitive messages shown both on VISION CHECK and on the workshop's display units.



Sales configurations

All the products in the VISION CHECK range are available in two different sales configurations based on the TEXA hardware and software equipment owned by the customer.

Workshop **with** CAR solution

If the vehicle repairer is already a TEXA customer with a CAR diagnosis solution (or purchases it simultaneously), VISION CHECK is ready to be used thanks to the integration between the hardware and the IDC6 software.



VISION CHECK



Workshop **without** TEXA diagnosis

a dedicated hardware package is available for ADAS calibrations and wheel alignment adjustments: the selected VISION CHECK is accompanied by NAVIGATOR NANO SERVICE, the small and powerful interface for quick and precise maintenance, and AXONE NEMO LIGHT, the compact TEXA display unit ready for any operational situation.



VISION CHECK, NAVIGATOR NANO SERVICE and AXONE NEMO LIGHT



Calibration targets and accessories

For the calibration of the ADAS devices, TEXA offers a wide selection of targets (digital and physical) and specific accessories, which guarantee the most complete coverage now available on the market.

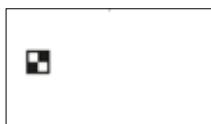
Digital targets displayed on-screen for front cameras

The number of digital panels that can be displayed on the screen is continuously expanding, currently about 30. These panels are included in the TEXPACK subscription.

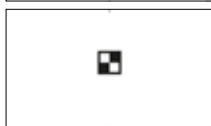


**Included with
TEXPACK**

	MERCEDES		SUBARU with calibration jig
	NISSAN/INFINITI		MITSUBISHI/SUZUKI
	NISSAN Type 1		HONDA
	NISSAN Type 2		SUZUKI IGNIS/ISUZU TRUCK Type STE
	RENAULT/SMART		DAIHATSU Type 1
	VAG		SUBARU EYESIGHT2
	TOYOTA, CITROEN, PEUGEOT		MASERATI LEVANTE
	TOYOTA/LEXUS, SUZUKI, MAZDA Type 1		NISSAN HUD
	TOYOTA/LEXUS, SUZUKI, MAZDA Type 2		TESLA
	TOYOTA/LEXUS, SUZUKI, MAZDA Type 3		MAZDA Type 2



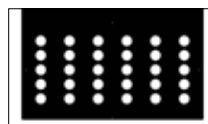
TOYOTA/LEXUS, SUZUKI, MAZDA
Type 4



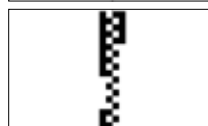
TOYOTA/LEXUS, SUZUKI, MAZDA
Type 5



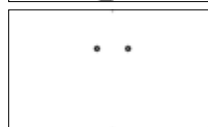
TOYOTA/LEXUS, SUZUKI, MAZDA
Type 6



ALFA ROMEO Type 1



**CITROEN/PEUGEOT, KIA/HYUNDAI,
FIAT 500X, FIAT DUCATO X290 and
JEEP RENEGADE** Type 2



MAZDA



Optional

Physical calibration targets for front cameras



HONDA
Type 2



DAIHATSU
Type 2



MAN/FORD/SCANIA/IVECO/BENDIX

Optional

Calibration devices for front radars



DAIHATSU (radar)



NIGHT VISION



LASER SCANNER (LIDAR) - VAG

Check the complete and always up-to-date ADAS coverage: www.texa.com/diagnostic-coverage



VISION CHECK drastically reduces costs and operation times, ensuring high accuracy and thus allowing vehicles to be put back on the road in complete safety.

Its advanced technology, along with the integration with IDC6, allows even non-specialised technicians to intervene with great ease, completing the operation accurately and rapidly.

**VISION CHECK is the ideal partner
for workshops in the ADAS calibrations
and alignment-related operations.**



Simplifying the present, anticipating the future



Founded in 1992

80,000 covered sq. m in an area of over 100,000 mq
2 new plants



7 subsidiaries in the world



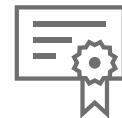
Over 1,000 TEXA employees in the world
400 technical profiles



800 Distributors
over 200,000 active customer workshops



Patents
85 Master, 165 total



Certifications:
ISO 9001, IATF 16949, E.P.A., ISO/IEC 27001,
TISAX, ISO 14001:2015

WARNING

The trademarks and logos of vehicle manufacturers in this document have been used exclusively for information purposes and are used to clarify the compatibility of TEXA products with the models of vehicles identified by the trademarks and logos. Because TEXA products and software are subject to continuous developments and updates, upon reading this document they may not be able to carry out the DIAGNOSTICS of all the models and electronic systems of each vehicle manufacturer mentioned within this document. References to the makes, models and electronic systems within this document must therefore be considered purely indicative and TEXA recommends to always check the list of the "Systems that can be diagnosed" of the product and/or software at TEXA authorised retailers before any purchase. **The images and the vehicle outlines within this document have been included for the sole purpose of making it easier to identify the vehicle category (car, truck, motorbike, etc.) for which the TEXA product and/or software is intended.** The data, descriptions and illustrations may change compared to those described in this document. TEXA S.p.A. reserves the right to make changes to its products without prior notice.

To check out the extensive coverage of TEXA products, go to: www.texa.com/coverage

To check on IDC6 compatibility and minimum system requirements, go to: www.texa.com/system

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cod. 8802056
09/2026 - Inglese - V2

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