



Semplifichiamo il presente,  
anticipiamo il futuro

*Monastier di Treviso, 21 May 2025*

## **AT AUTOPROMOTEC 2025, ALL THE LATEST TEXA INNOVATIONS FOR GARAGE EQUIPMENT AND VEHICLE MANUFACTURERS**

**A main stand and an outdoor area, covering a total of approximately 800 square meters, will showcase the latest solutions for ADAS calibration and wheel alignment, new software features and developments in the secure gateway field, miniaturized diagnostic interfaces, diagnostic and charging devices dedicated to traction batteries for electric and hybrid vehicles, and advanced systems for the propulsion and maintenance of hybrid and electric vehicles.**

The **30th edition of Autopromotec** coincides with the 60th anniversary of the automotive industry—more than half of which has seen **TEXA play a leading role**. From **May 21 to 24, 2025**, Bologna will once again be the stage for unveiling numerous innovations dedicated to garage equipment and OEMs.

Within an **exhibition space of over 800 square meters**, divided between the main stand and an outdoor area (Hall 8 - Stand B6, Area 45 - A 32), TEXA will present its **latest solutions for ADAS calibration and wheel alignment**, cutting-edge software updates, secure gateway developments, new miniaturized diagnostic interfaces, traction battery diagnostic and charging devices, and the latest advancements in hybrid and electric vehicle propulsion and maintenance.

Visitors to the stand will also have the opportunity to admire a stunning example of the **Revuelto, Lamborghini's new hypercar, equipped with two TEXA inverters and a vehicle control unit**: a front two-channel inverter managing two electric motors connected to the front wheels, and a rear inverter connected to an additional electric motor that functions as both generator and starter, while also delivering torque to the wheels.

### **MAIN NEW FEATURES:**

- **E-DIAG CHARGER (preview)**: the charging and diagnostic station for electric and hybrid vehicles.
- **VISION CHECK (preview)**: the ultimate technology for ADAS calibration and wheel alignment.
- **SECURE GATEWAY**: new brands available for unlimited diagnosis.
- **NAVIGATOR NANO SERVICE**: the miniaturized VCI for CAR diagnosis.
- **FAST-FIT LICENSE**: designed for professionals in light mechanical work, such as tire specialists and quick repair centers.

At Automechanika, there will be no shortage of other solutions dedicated to vehicle maintenance and the field of hybrid and electric propulsion, including:

- **AXONE VOICE, PLUS e LIGHT**: the trilogy of diagnostic displays, recently introduced on the market.
- **Navigator TXB 2**: VCI developed specifically for the motorcycle and marine propulsion environment.
- **E-Fluid (OEM)**: performs the maintenance service of electric vehicle cooling systems.
- **RCCS 3 EVO**: TEXA's already established ADAS structure, even more evolved.
- **ARAS BIKE**: for the calibration of driving assistance systems in the two-wheel sector.
- **KONFORT TOUCH**: the complete line of stations for A/C maintenance.
- **NP 01 e GASBOX 2**: the most advanced tools for emissions analysis.
- **ELECTRIC MOTOR, INVERTER AND VCU**: the powertrain system for electric and hybrid vehicles, with inverters mounted on board the Lamborghini Revuelto Hypercar.

## **E-DIAG CHARGER: RECHARGE AND DIAGNOSIS, ANYWHERE IN YOUR WORKSHOP**

It is an advanced **recharge and diagnosis** mobile device, which meets the current needs of workshops and allows facing better any issue related to the **maintenance and management of electric and hybrid vehicles, plug-ins included**. It allows recharging in both direct and alternating current (DC and AC up to 800 V), so vehicle repairers can try the two types of vehicle power supply effectively. It is available in **three power variants: 22 kW, 30 kW or 60 kW**. Its innovative diagnostic functionality is very important. It **allows checking the state of health of the battery** and of the systems involved in the charging process, thanks to the **NAVIGATOR NANO SERVICE diagnostic module**, provided as a standard. Moreover, workshops can obtain another document related to the battery state of health through a certificate that can be requested with a simple click directly on the tool. This service will be particularly useful for customers who require it. It is a reliable and versatile solution that easily adapts to different operating situations and is able to adjust the charging power automatically based on the capacity provided by the workshop's electrical system.

E-DIAG CHARGER can also be equipped with the **Smart Battery Charger Unit** module, capable of managing the recharge, maintaining and diagnosing 12 and 24 V batteries.

### **E-DIAG CHARGER includes many functions:**

1. Recharge of the battery in BEVs, PHEVs up to 800 V
2. Battery electronic system serial diagnosis
3. Battery charging system serial diagnosis
4. Recharge and diagnosis of 12 and 24 V batteries
5. Special Functions

6. Traction battery state of health check and certification.

## Recharge

E-DIAG CHARGER allows recharging batteries in Battery Electric Vehicles (**BEV**) and Plug-in Hybrid Electric Vehicles (**PHEV**), with the possibility to recharge both in **AC via Type 2 connector** and in Direct Current (**DC**) **via CCS2 Combo connector**. The available power, based on the model, of **22 kW**, **30 kW** or **60 kW**, allows managing the recharging process quickly, thus optimising action times in the workshop. These powers require the use of power cables with a mobile plug, respectively **32 A**, **63 A** or **125 A**. The recharge measure, both in AC and in DC, is **MID (Measuring Instruments Directive)** certified based on the Directive 2014/32/EU, which certifies the measuring tools and protects vehicle repairers and customers.

Moreover, at the end of the recharge, the customers also receive another **certificate\* related to the battery state of health**. It is a particularly useful service for car drivers as it returns precise and reliable data on the residual capacity of the vehicle's battery.

## Diagnosis

TEXA's built-in diagnosis makes checking the charging systems' operation possible, during the recharge itself. Moreover, using **NAVIGATOR NANO SERVICE** (through the vehicle's OBD socket), you can **view the diagnostic parameters** provided by the control units in the vehicle, connect to the BMS, and even monitor the status of each cell individually, other than **fully read the parameters relating to the battery and charging system**.

## Special Function

Each time E-DIAG CHARGER is started, it performs an **internal self-diagnosis** so to guarantee proper operation from an electrical safety point of view.

Furthermore, using a specific TEXA accessory kit (that will be provided to run new PTIs), you can check the **insulation** and **electrical continuity** of the vehicle you are working on.

## Battery State of Health (SoH)

In the field of electric and hybrid vehicles it is increasingly important, from the point of view of both mechanics and car drivers, to precisely evaluate the state of health of the traction battery and the duration of the main components on board the vehicle.

In this sense TEXA developed a process that returns an accurate percentage valuation of the battery's State of Health (SoH), through the parameters obtained directly from the control units and processed in cloud. This procedure is a standard in E-DIAG CHARGER. Furthermore, mechanics who want to offer their customers an **accredited certificate** relating to the **battery state of health** can request it directly from the tool. They will receive it within a few minutes at their email address.

## Certification for the battery state of health

- **Workshop certificate:** vehicle repairers who own a TEXPACK E-DIAG CHARGER can provide customers with a certificate on the battery state of health with their own header. Service included in the TEXPACK E-DIAG CHARGER subscription.

- **Accredited certificate:** it is the same certificate as the workshops, but it is accredited by a third party. The accredited certificate is a paid service, charged on a pay-as-you-go basis, and reserved to the customers who own a TEXPACK E-DIAG CHARGER.

## Power supply and energy management

E-DIAG CHARGER is powered by an industrial three-phase power socket in the workshop's electrical system. It allows **charging two vehicles simultaneously, one in AC and the other in DC**, with settable power thresholds. Furthermore, it can manage the **automatic adjustment** via accessory **(PLC ENERGY METER)** of the maximum **charging power** on the two branches avoiding untimely disconnections due to overdraw or the interventions of protections in the device's electrical power system and respecting the maximum power that can be used in the workshop's system.

## Smart Battery Charger Unit kit

E-DIAG CHARGER can be equipped with an additional **Smart Battery Charger Unit** (optional) module that allows extending the diagnosis and recharge of 12 and 24 V starter batteries, thus making the station evolve into a universal and **complete device** as for the vehicle's **service and traction batteries**.

In this configuration E-DIAG CHARGER offers four new methods of use: **charger, analyser, "Flashing mode" maintainer and recovery of deteriorated batteries\***, where possible, ideal for intervening on all endothermic engines, electric or hybrid motors with 12 and 24 V batteries. Using the **EIS (Electrochemical Impedance Spectroscopy) technology** it can identify the type of battery and analyse the chemical reactions in the cells.

Once the battery is recognised, the operator receives tips on how to manage it at best, thanks to the data contained in the database that can be consulted directly from the display with all the useful information, including a step-by-step guide.

\*For deteriorated batteries there is a **desulphurisation cycle** that, through high-frequency electrical stimulations, removes deposits of lead sulphide from the plates, regenerating the battery's functionality.

### Perfect voltage, even during the self-diagnosis phase

**Smart Battery Charger Unit** is suitable for use in the workshop, also because it maintains the battery at a **perfectly stabilised voltage during the crucial phases of the maintenance activities**, such as when you need to locate a failure using self-diagnosis, reprogram one or more control units, calibrate the ADAS, etc. The diagnostic work in this mode, called **flashing mode**, allows meeting the manufacturers' recommendations. TEXA always has safety in mind, for this reason it developed special **clamps equipped with thermocouples** that measure the temperature of the battery terminals. This ensures that the charging phases are carried out in **complete safety**, thanks to a **system that immediately blocks the charge if there are abnormal temperature levels**, such as if the clamps are not properly positioned on the terminals.

### OPERATING MODE

Smart Battery Charger Unit offers the following new functions:

- **AUTOMATIC and MANUAL charge** (with terminal temperature check during the charge)
- **Battery analyser** (for the automatic identification of the battery's chemistry and status)
- **Battery optimiser** (specific charging curve for any type of battery chemistry)
- **"Flashing mode" maintainer and "showroom" mode maintainer** (up to 120 A)
- **Tester** (through the Kevin method for voltage measuring)
- **Power adapter** (from 11.5 Vdc to 26 Vdc)
- **Diagnosis and adjustments** (programming of a new battery in the ECU)
- **Remote control** (via a Wi-Fi connection).

### **VISION CHECK: THE BEST OF TECHNOLOGY, APPLIED TO ADAS CALIBRATION AND ALIGNMENT**

**VISION CHECK** is an innovative **self-adjusting solution** that offers an extraordinarily practical, simple and quick **ADAS calibration and alignment check** experience, thanks to its state-of-the-art manufacturing technology. Two aspects that, now more than ever, are essential for drivers, as they affect their **safety on the road**. Checking the alignment periodically and calibrating sensors and radars properly allows having efficient and safe vehicles for drivers and others.

VISION CHECK makes all this possible. In fact, **its manufacturing features minimise the work required for its positioning with respect to the vehicle**. Settings and adjustments, which are usually performed manually, are now carried out automatically, thanks to the continuous communication with the targets positioned on the wheels, creating a perfect synergy between the high-definition cameras they are equipped with and the software. 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 displayed both on the **75-inch monitor with 4K resolution** and on the display unit directly.

## Three configurations in a single product

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.

It comes in **three configurations**, each one designed for repair professionals and their different operational needs:

- **VISION CHECK START:** for ADAS calibrations (4 high-resolution cameras + 2 targets).
- **VISION CHECK LIGHT:** for ADAS calibrations and alignment check (4 high-resolution cameras + 4 targets).
- **VISION CHECK PLUS:** for ADAS calibrations and alignment check and adjustment (6 high-resolution cameras + 4 targets).

## VISION CHECK START: intuitive, quick and precise ADAS calibrations

With VISION CHECK START, the **ADAS calibration is carried out safely and respecting the strict criteria defined by each manufacturer**. The use of HD cameras positioned at the ends of the horizontal adjustment bar, and of the targets to be placed on the wheels, guarantees an optimal ease of use and an absolute measurement accuracy. A series of automated adjustments assists the technician in the positioning of the unit, sensibly reducing the time required and guaranteeing a pinpoint precision. **The integration with the TEXA diagnostic software, IDC6,** allows starting the guided operation with minimum settings, offering a step-by-step support throughout the process. The TEXA solution guarantees **compatibility with over 65 makes** and many models thanks to its wide range of accessories and **digital panels with 1:1 ratio**. The respect of the original dimensions and the **assisted positioning of the unit** are the only method guaranteeing that the targets are used faithfully as prescribed by the manufacturers.

## VISION CHECK LIGHT: alignment check by the book

The vehicle **alignment** includes all the settings relating to the tilt and position of the wheels and suspensions with respect to the chassis. A correct alignment reduces uneven tyre wear, and most of all, it improves road holding. Before any calibration, other than verifying the alignment of the calibration unit with respect to the vehicle, it is also important to check the alignment of the vehicle you are working on. To offer an ever more complete and professional service, the VISION CHECK **LIGHT version** is equipped with **four targets** to install on the wheels. This configuration, **other than allowing the ADAS calibration, can also check the vehicle alignment**. The **alignment check** is the setting and verification of the suspension geometry and vehicle position with respect to the ground. A very

important process, as a correct 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 proper alignment: **toe, thrust axis, camber and caster**.

## **VISION CHECK PLUS: perfect alignment, guaranteed performance**

The **top-of-the-range** configuration for VISION CHECK is the **PLUS** version. With a view to modularity, other than allowing the **ADAS calibration** and the **alignment check**, this version also allows its **adjustment**. All this is extremely easy: once the vehicle is positioned on a levelled bench, the **four targets** supplied as standard must be installed on the rims, to allow an accurate measurement of the main characteristic angles, such as toe, camber and caster. The detected values are compared with the ones prescribed by the manufacturer. If there are any deviations, simply adjust the alignment elements manually, such as the suspension arms or tie rods, until the parameters are back within the correct range. A final check ensures that all the adjustments have been carried out properly and that the steering wheel is perfectly centred. Once the work is complete, **VISION CHECK PLUS** generates a detailed report with the values before and after the calibration, to guarantee a highly professional, accurate and clear service.

## **Perfect vehicle alignment, with MULTIFIX**

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. **Multifix is the automatic system developed and patented by TEXA, which allows positioning and aligning VISION CHECK rapidly and with the utmost accuracy.** An extremely intuitive software application will help you perform three movements that are so easy, yet so crucial: a **vertical translation**, a **horizontal translation** and a **rotation**.



## **SECURE GATEWAY**

### **NEW BRANDS AVAILABLE FOR UNLIMITED DIAGNOSTICS**

TEXA reaffirms its commitment to supporting industry professionals by offering cutting-edge solutions to tackle the modern challenges of automotive diagnostics. In this spirit, the company continues to enhance its services to ensure customers can perform diagnostic operations on vehicles equipped with advanced protection systems in their electronic control units.

Thanks to ongoing and fruitful collaboration with manufacturers, the **IVECO** brand (including light, medium, heavy commercial vehicles, and buses) has recently been added, and **VOLVO** will soon be available, as well as **HYUNDAI**.

In addition to the newly added brands, diagnostics have long been available for the following:

**Abarth, Alfa Romeo, Audi, Bentley, Chrysler, Cupra, Dacia, Dodge, Fiat, Fiat Professional, Jeep, KIA, Lancia, Lamborghini, Mercedes, Mercedes Commercial Vehicles, Renault, Seat, Skoda, Volkswagen, and Volkswagen Commercial Vehicles.**

### **NAVIGATOR NANO SERVICE, THE MINIATURIZED VCI FOR CAR DIAGNOSTICS**

The new entry-level solution among the vehicle interfaces offered by TEXA for your **everyday work**.

Small, robust, lightweight and ergonomic, it has been specifically developed for the **diagnostic operations in the CAR environment carried out by tyre specialists and FAST FIT centres**.

Every aspect of NAVIGATOR NANO SERVICE has been carefully designed and developed to **fully satisfy the operators' needs**, creating a tailor-made interface for operations on cars and light-duty vehicles. Its new latest-generation processor, 8 GB storage, and an advanced connectivity that includes a Bluetooth® 5.0 module make the tool particularly high-performing. Moreover, it is compatible with the CAN FD (supporting the simultaneous management of the 3 channels) and DoIP communication protocols. For NAVIGATOR NANO SERVICE we created FAST FIT, an ad-hoc licence for this one-of-a-kind tool. Finally, this interface is supplied as **standard in combination with the E-DIAG CHARGER device**.



**FAST-FIT LICENSE: FOR LIGHT MECHANICAL WORK,  
SUCH AS TIRE SHOPS AND QUICK REPAIR CENTERS**

In its ongoing effort to understand and meet customer needs, TEXA has developed a brand-new solution specifically designed for professionals working in light mechanical services, such as tire specialists and quick repair centers: the **FAST-FIT license**. This license includes both diagnostic capabilities and everything related to ADAS calibration. It allows users to access diagnostic software tailored to their specific needs, optimizing time and enabling fast, practical operations. By using the new **NAVIGATOR NANO SERVICE** interface, mechanics have all the tools they need for simple, fast diagnostics with all the essential functions required for quick maintenance services. The FAST-FIT software operates just like the full IDC6 CAR license but includes only the core features needed by tire shops and quick repair centers.

**Brief TEXA profile**

Founded in 1992, today TEXA is a leader in the design, industrialisation and production of diagnostic tools, tele-diagnostic devices, A/C service stations, exhaust gas analysers, dedicated to cars, bikes, trucks, agricultural vehicles and marine engines. The last frontier is the production of sophisticated Powertrain systems for electric vehicles. Present all over the world with a widespread net of distributors, TEXA commercialises directly in Brazil, France, Germany, Japan, the UK, Poland, Russia, Spain and the United States through its subsidiaries. Currently it has almost 1,000 employees: the workforce is young, with over 300 engineers and specialised technicians dedicated to Research and Development.

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