

Diagnostic solutions CAR



FCA
diagnosis block?

With TEXA
the FCA authenticated
diagnostic solution
that protects
the warranty

TEXA

GLOBAL SPECIALISTS IN DIAGNOSTICS

TEXA has always been a reference point in the world of automotive equipment, and this leading position has been consolidated through the design and manufacture of innovative tools for electronic autodiagnosis, electrical diagnosis, exhaust gas analysis and air conditioning system service stations, for use on cars, trucks, motorcycles, agricultural vehicles and marine applications. Over the years, TEXA has built up an extensive global network of over 700 distributors in over 100 countries.

A complete and modular offer

TEXA offers the technician total assistance during all phases of a repair, from the analysis of fault symptoms to the identification of the right spare part. TEXA boasts an unrivalled offering of tools and services designed to satisfy all possible needs. From dedicated workshop tools to operating software, specialist training and customer services.

WITH TEXA THE FCA AUTHENTICATED SOLUTION

As is known, from 2017 the FCA Group introduced protective measures that inhibited the possibility for independent workshops to intervene on its most recent models. A decision that TEXA contested immediately, both directly and through the trade associations it is a member of, since it is against the European legislation on repairs. Unlike others, we did not follow the path towards solutions that get round the safety protection exposing mechanics to the severe liability risks towards the manufacturer and towards drivers. Instead, with the reliability and responsibility that a large company must always guarantee its customers, we worked with the European and national organisations to establish the best collaboration possible with the FCA Group in order to solve the problem. Therefore, we are pleased to announce that through TEXA's tools, it's now possible to work on the latest generation of vehicles produced by the Turin Group in complete safety and legality.

Diagnostic software

IDC5



IDC5 is **the core of TEXA's diagnostic solutions**.

It is a software that guides technicians through the diagnostic phases, from the identification of the error up to its solution, always in a practical, safe and professional way.

It updates and constantly increases its make and model coverage to help repair experts solve typical problems that arise during everyday work.

IDC5 also offers a series of exclusive functions and technical documentation that exceed the traditional concept of diagnosis.

Among these: automatic vehicle search, TGS3s control unit scan, dashboards, interactive wiring diagrams, guided diagnosis, solved errors, technical bulletins, mechanical data and error help sheets.

A single software for all environments

It was projected and developed following a multi-environment logic to be used efficiently on **cars, light commercial vehicles, trucks, agricultural and construction vehicles, bikes and boats**.

IDC5 SOFTWARE

Diagnosis without frontiers

IDC5 is the latest generation of TEXA's renowned operating system and another step forward to assist technicians. Thanks to major improvements in code the new system is faster than ever and guarantees virtually instant communication with a vehicle's control units.



An even more intuitive software interface

The graphic interface of IDC5 is designed to resemble the latest consumer applications, **simplifying and making the various steps** in maintenance and repair procedures more intuitive. On top of this, all diagnostic pages have been redesigned to give a **fuller view of the most relevant information**.

Another new function allows you view and manage vehicle parameters. These can be displayed in graphic form and can be filtered using text searches or by selecting those specifically required.

Even the **downloading of updates is faster** in the new software. IDC5 is designed to guarantee compatibility with the new ISO 13400 standard, also known as the Ethernet/DoIP communication protocol, using AXONE NEMO 2 or a Windows PC.



TEXA APP: the new way to customise your diagnostic tool

TEXA has introduced a completely new concept of diagnostic support in the form of the **TEXA APP virtual store**.

TEXA APP is the list of applications developed by TEXA that allow extending the software functions or coverage, for example, to simplify the technician's work.



DASHBOARD MODE

DASHBOARD is the innovative function that lets you view vehicle engineering parameters using extremely intuitive and attractive graphics that reproduce an industrial vehicle's dashboard, the mechanical components and operating logic of the selected system.



DUAL MODE

DUAL MODE is the innovative function that lets you connect and view parameters on two different interfaces simultaneously: for example, self-diagnosis can be performed on a component whilst the signal is studied with an oscilloscope.



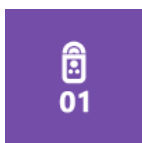
IMPIANTI GPL-METANO

LPG - CNG SYSTEMS is the APP that allows you to diagnose the LPG - CNG systems installed on used vehicles (after-sales). This APP allows you to work on a large number of vehicles of different brands and models on which an LPG - CNG system was installed.



SUPERCAR

SUPERCAR is the TEXA diagnosis software dedicated to sports car and large engine luxury car makes such as Ferrari, Lamborghini, Maserati, Morgan, Pagani, Porsche, giving access to hundreds of different diagnostic combinations.



KEY/REMOTE CONTROL CODING

Through this APP you can quickly access the vehicle's self-diagnostic functions in order to code the keys, the remote controls, the immobiliser control units in case of malfunctions or if they must be replaced.



DPF REGENERATION

This App allows you to perform the particulate filter forced regeneration, in accordance with anti-pollution regulations. It is a very important operation in vehicles, especially in all those cases in which the spontaneous regeneration is not possible, i.e. in particular driving conditions or if the vehicle is mainly driven on urban roads.



ELECTRICAL VEHICLES

The APP ELECTRIC VEHICLES gives quick access to all the particular functions or activations that allow the analysis of problems and actions on the electric motor and on the vehicle's charging system.



TRANSPORTATION MODE PROGRAMMING

When the newly produced vehicles are delivered to the dealers, they have many functions that are deactivated, such as the radio, the central locking and other services. Through this APP you can quickly activate all the vehicle's functions by changing the status "Factory mode" to "Customer Mode".



DRIVING ASSIST SYSTEMS

Thanks to this APP, you can directly access the adaptation and programming functions linked to these control units, such as: calibrations and programming of the front/rear video cameras, necessary, for example, when replacing the windscreen or repairing the vehicle after a crash calibration of the front and rear parking sensors, in order to keep the system perfectly efficient, programming of the control units that control the lane keeping line.



TECHNICAL TRAINING

The dedicated TEXAEDU department offers a range of courses at various levels; from tool use introduction courses to more specific courses for professionals who require more specific system training. EDU APP is the application dedicated to technical training that always keeps you up to date on the latest news and available course dates and places.



SELF-DIAGNOSIS COMPONENT SHEETS

The "Self-Diagnosis Component Sheets" is the App designed by TEXA that provides the technician specific technical information regarding the most complex components within vehicle systems, giving an essential support for the diagnosis of the component itself.



AIRBAG VAG CODING

AIRBAG VAG CODING is TEXA's innovative App that allows you to calculate, quickly and precisely, the codes you need to code a new Airbag control unit of the VAG group. You just have to enter the control unit's code indicated is on its package in order to receive the 5 digit coding code you need for the installation.

and many more besides on: <https://www.texa.com/software/texa-app>

PARTNER APP contains the applications created in collaboration between TEXA and operators who supply goods and services linked to the repair world, such as manufacturers or distributors of spare parts, specialised trade magazines, technical information services.

A world of technical and diagnostic contents to address the evolution of vehicles

A rapid evolution is characterising the automotive industry and, consequently, the world of diagnostics. For vehicle repairers, this results in the need to rely on tools that can allow them to operate on vehicles quickly and professionally and best satisfy their customers' requests.

For this reason, TEXA has introduced two major innovations: **TEXPACK CAR** and **TEX@INFO Guided Diagnosis**.

Besides the constant coverage update for cars and light commercial vehicles, TEXPACK CAR allows access to the information contained in the **Tech module*** by HaynesPro, with technical and maintenance data, repair manuals, technical illustrations and drawings, repair times, estimator and recalls.

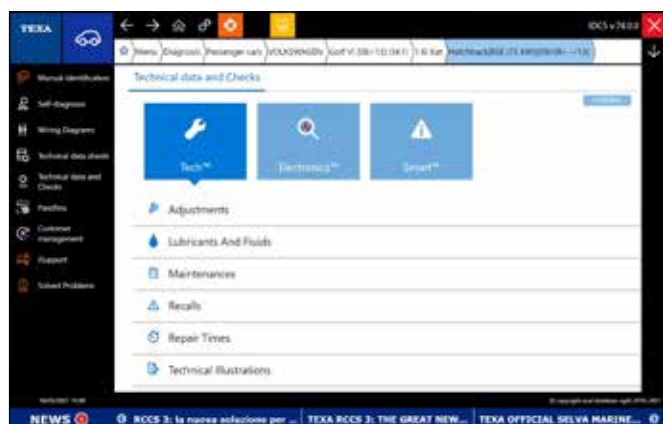
On the other hand, the TEX@INFO Guided Diagnosis** service includes the activation of the **Electronics module** by HaynesPro, with a guided troubleshooting procedure through the identification, location and solution of the errors in the electrical system and components. It also includes the **Smart module**, with many solved problems and OEM technical service bulletins sorted by symptom, cause and solution.

The new technical contents are **perfectly integrated in the IDC5 diagnostic software** by TEXA and can be reached from "Technical Data and Checks" in the main menu, from the TGS3s vehicle scan if any DTCs are present, or from the diagnostic system via a direct link.

* Available for TEXPACK CAR contract subscribers with Plus or Premium license.

** Reserved for customers with active TEXPACK CAR.

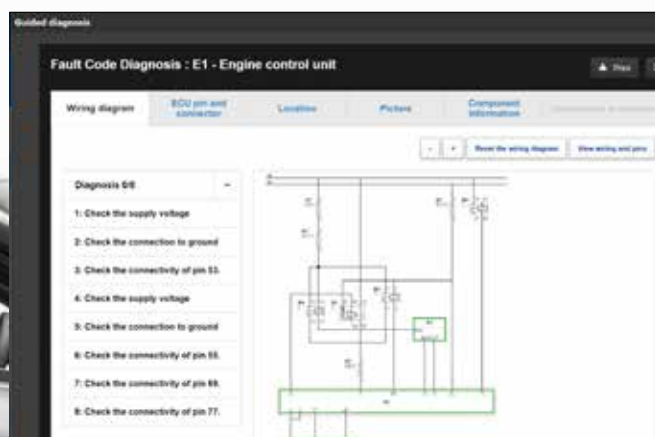




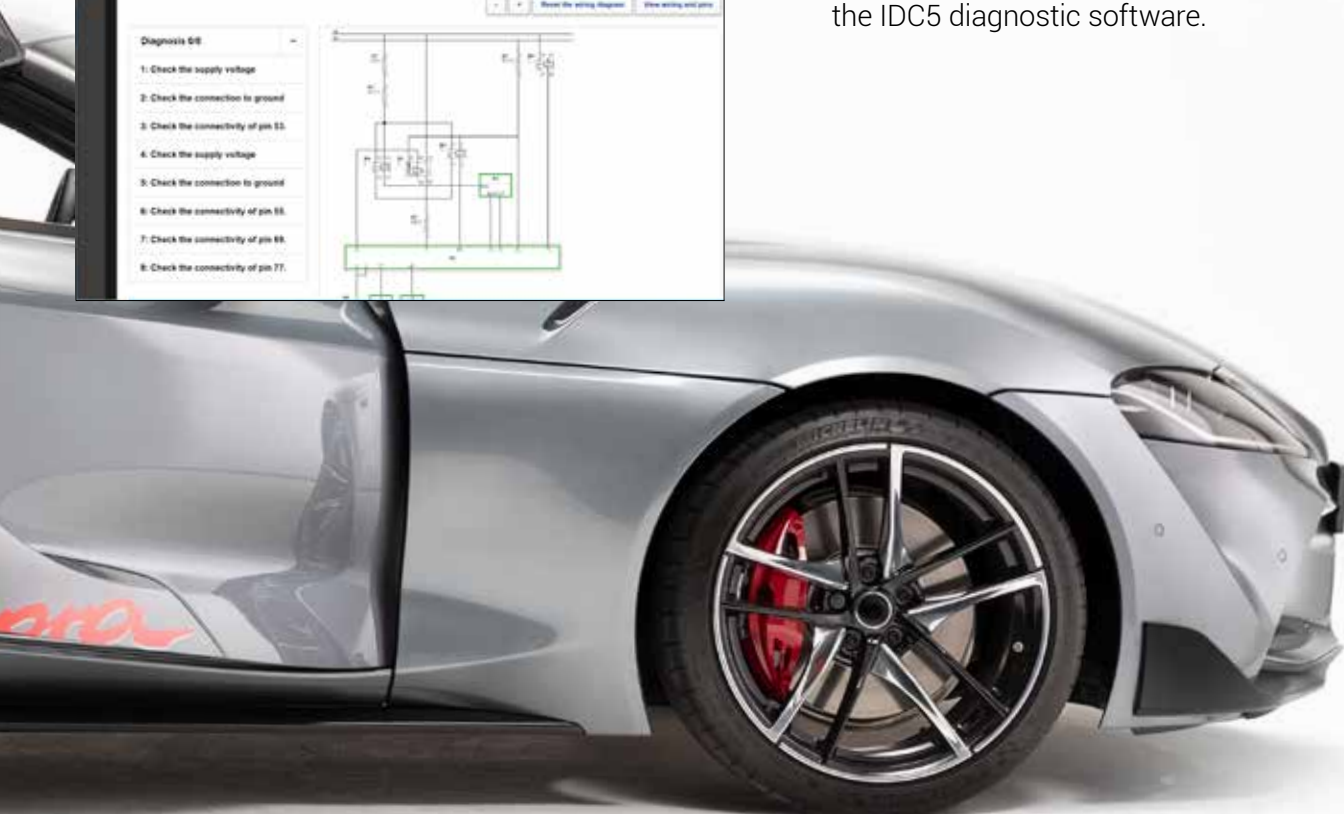
The new HaynesPro database, consisting of the Tech, Electronics and Smart modules, is easy to use and accessible from the Technical Data and Checks menu item, but also from the TGS3s vehicle scan and from the diagnostic system via a direct link.



After performing a global scan of the control units on board the vehicle, the Guided Diagnosis tab shows any detected errors and allows launching the troubleshooting procedure by clicking on the specific icon.



The guided diagnosis allows identifying, locating and solving any errors in the electrical system and components through a procedure integrated in the IDC5 diagnostic software.



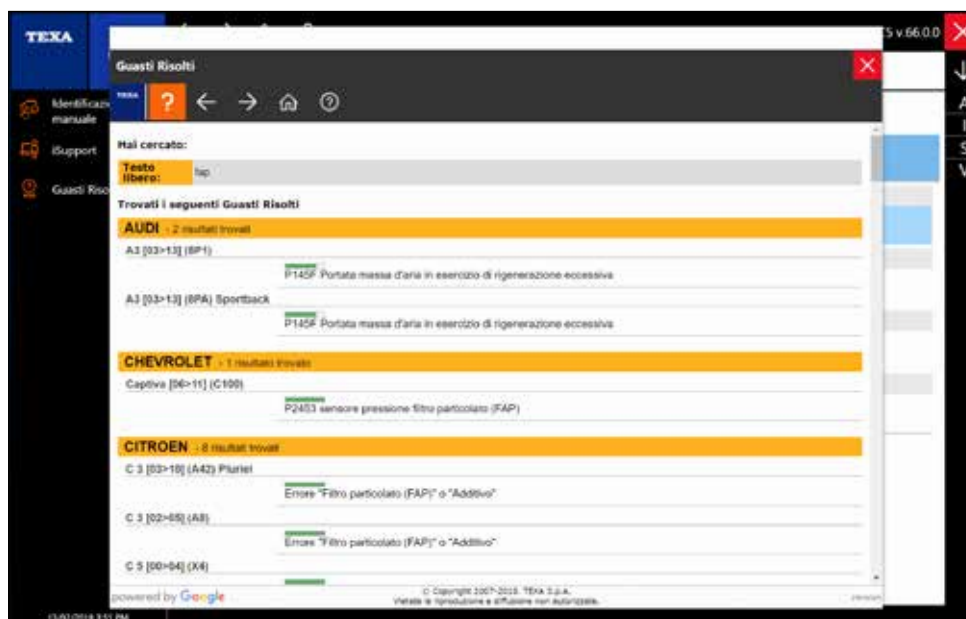
A whole world of functions and services

IDC5 software provides a whole world of exclusive functions and services developed by TEXA's R&D department. These include:



SOLVED PROBLEMS powered by Google™

Implemented in **collaboration with Google**, this amazing function allows you to access TEXA databases easily, to search for repair procedures already encountered and registered by our international call centres. Vehicle repairers can access **thousands of practical troubleshooting cases**, tested on site by mechanics all over the world, **24/7**.



Automatic Vehicle Search

The Vehicle Search function identifies the model you are working on precisely and rapidly. Quick and intuitive, the Vehicle Search function can be used in the following ways:

VIN code search: with the diagnostic tool connected to the vehicle's OBD socket, this function automatically retrieves the VIN and then selects the model of vehicle from the IDC5 software database.

Engine number search: in this case the vehicle is identified simply by entering the engine number.

Registration number search: this function lets you find and load data for any vehicle saved in IDC5's Customer Management database, simply by entering the complete or partial registration number.



Recording of diagnostic sessions Rec & Play

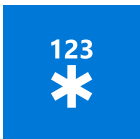
A fault may occur in a vehicle under specific operating conditions only: for example, a power loss while driving uphill, when the vehicle is under a particularly high load, or a fault warning light that turns on only when the engine is warm. Under conditions like these, the Rec & Play function offers the perfect solution, as it lets you record parameter values and any errors that occur during a road test. Data can be viewed and analysed later and even printed out as a report on the test.



TGS3s global system scan

The amazing TGS3s automatically scans all the accessible* control units on the vehicle. The system is impressively fast in the way it recognises the ECUs and accesses the relevant diagnostics. On completion of the scan, TGS3s immediately displays any errors detected on the vehicle along with the relevant error codes and descriptions. It also lets you read and reset errors with a single click. You can even run autodiagnosics on selected systems directly from the error detection screen.

*TGS3s scanning may not function with older models of vehicle since previous generation control units may not support the latest scanning functionalities.



Freeze Frame

Freeze Frame lets you view the display of parameters and data detected and recorded at the moment a fault occurs. The actual information displayed by Freeze Frame may vary from one vehicle manufacturer to another and from one type of system to another.



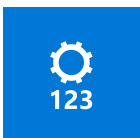
Error Help

"Error Help" is the easiest and most accessible way to obtain information on errors. The help content provides useful information on the meaning of error messages and if necessary, on what checks to perform first.



Data sheets

TEXA's technical bulletins provide superbly accurate information on the selected vehicle, including instructions for performing a manual reset after servicing, overviews of specific mechatronic systems and much more.



Technical Specifications

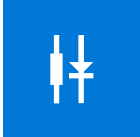
An extraordinary database containing details of all vehicles. Users can find detailed and comprehensive information on Mechanical Specifications, Wheel Alignment, Tire Pressures, Timing Belt, Routine Maintenance, Component Locations, Component Testing and much more.



DASHBOARD*

One of the exclusive functions available in the IDC5 operating software is the DASHBOARD*, which offers the possibility to view the vehicle's engineering parameters, associated with intuitive captivating graphics that reproduces the dashboard of an industrial vehicle, the mechanical components and the system's operating logic.

*The DASHBOARD function is already available and activated for customers who use the AXONE NEMO 2 diagnostic tool. For customers who use other diagnostic solutions instead, the function can be purchased through a dedicated "APP" within the "TEXA APP" virtual store.



System wiring diagrams

Wiring diagrams are prepared by TEXA's own engineers. Because they follow the same standard for all vehicle manufacturers, they are a great help in troubleshooting. While you are consulting a wiring diagram, you can also access related datasheets by selecting a specific component or use the SIV function to perform oscilloscope tests using automatically selected settings.



Wiring Diagram Detail

This function makes an instant link between the error read from the control unit and the corresponding component on the wiring diagram. From the wiring diagram you can access the test functions and device descriptions typical of the IDC5 operating environment.



PASS-THRU**

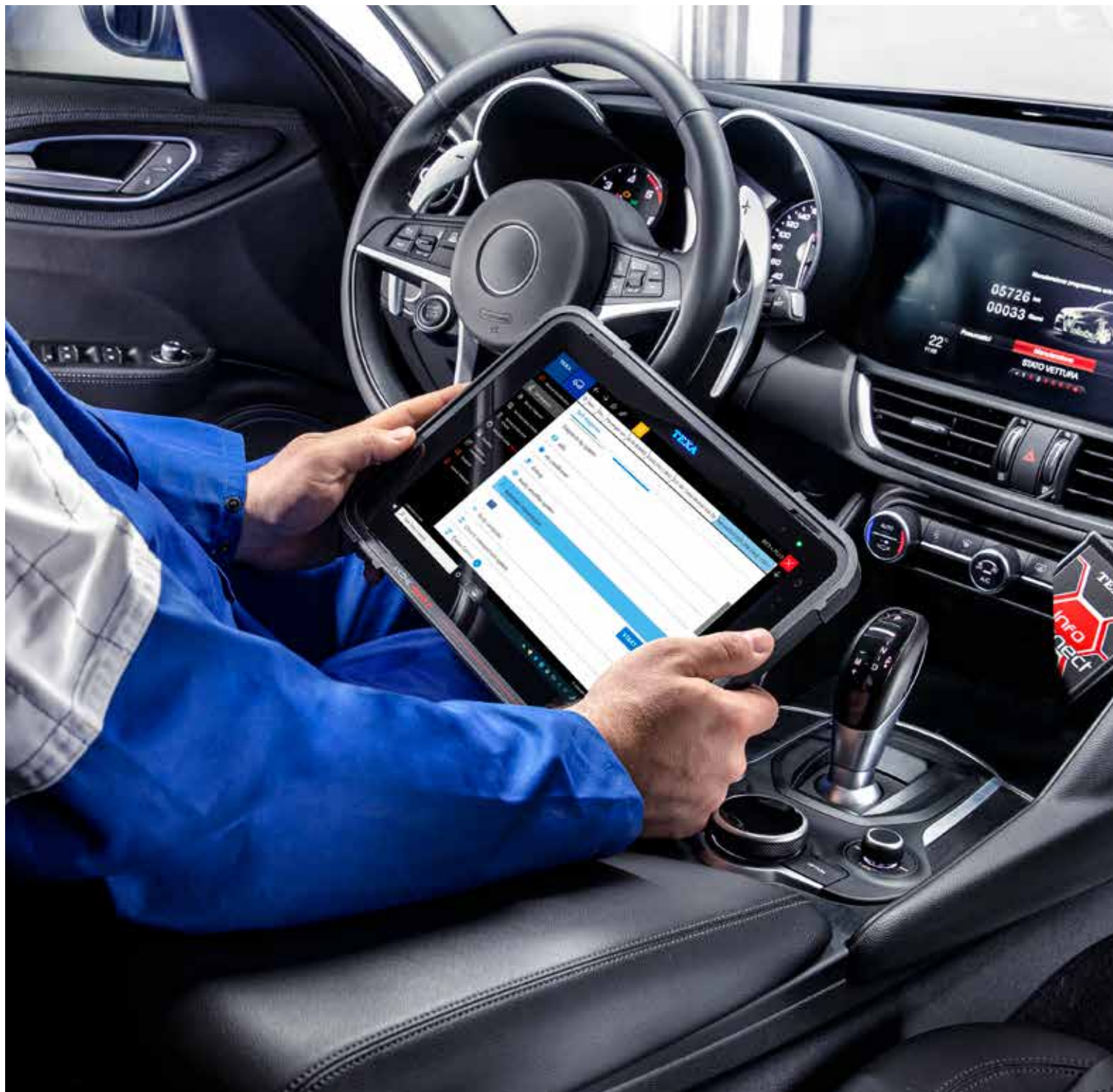
This function lets you connect to the central server of any vehicle manufacturer and download software packages or official technical information

**At the website www.texa.com/passthru, verify the recommended minimum hardware requirements and the enabled vehicle manufacturer diagnostic functions.



Diagnosis

Display units and vehicle interfaces



TEXA's diagnostic solutions are based on the powerful **AXONE NEMO 2** display unit and on the robust **Navigator TXTs** and **Navigator NANO S** vehicle interfaces. These devices connect and communicate with the vehicle's electronic control units and guarantee levels of speed and performance that are simply unrivalled in the world of multi-brand diagnostics.

TEXA devices provide unique support for today's vehicle technicians and also stand out for their ease of use and versatility. All TEXA interfaces are fully compatible with standard personal computers.

AXONE NEMO 2

As the top-of-the-range **multi-brand** and **multi-environment** display unit, it guarantees that mechanics can carry out quick, complete and precise operations on **cars, light commercial vehicles, trucks, agricultural and construction vehicles, bikes and boats**. The Windows 10 Enterprise operating system is powered by an Intel® Pentium Quad Core N5000 processor with 8 GB DDR4 RAM and 250 GB PCIe SSD storage. Another distinctive element is the **military standard MIL-STD 810G** (transit drop test), **which makes the tool resistant to impacts and falls**.



**Body in
magnesium**



**12" Gorilla® Glass
Display**



**Resolution
2160x1440 pixel**



**8 GB
LPDDR4 RAM**



**250 GB
SSD PCIe storage**



**Intel® Pentium
N5000 CPU**



Watch the AXONE NEMO 2
official video



Navigator TXTs

The NAVIGATOR TXTs is the most powerful, highest performer of TEXA's vehicle interfaces and lets you work in the **CAR, TRUCK, BIKE, OFF-HIGHWAY and MARINE** environments.

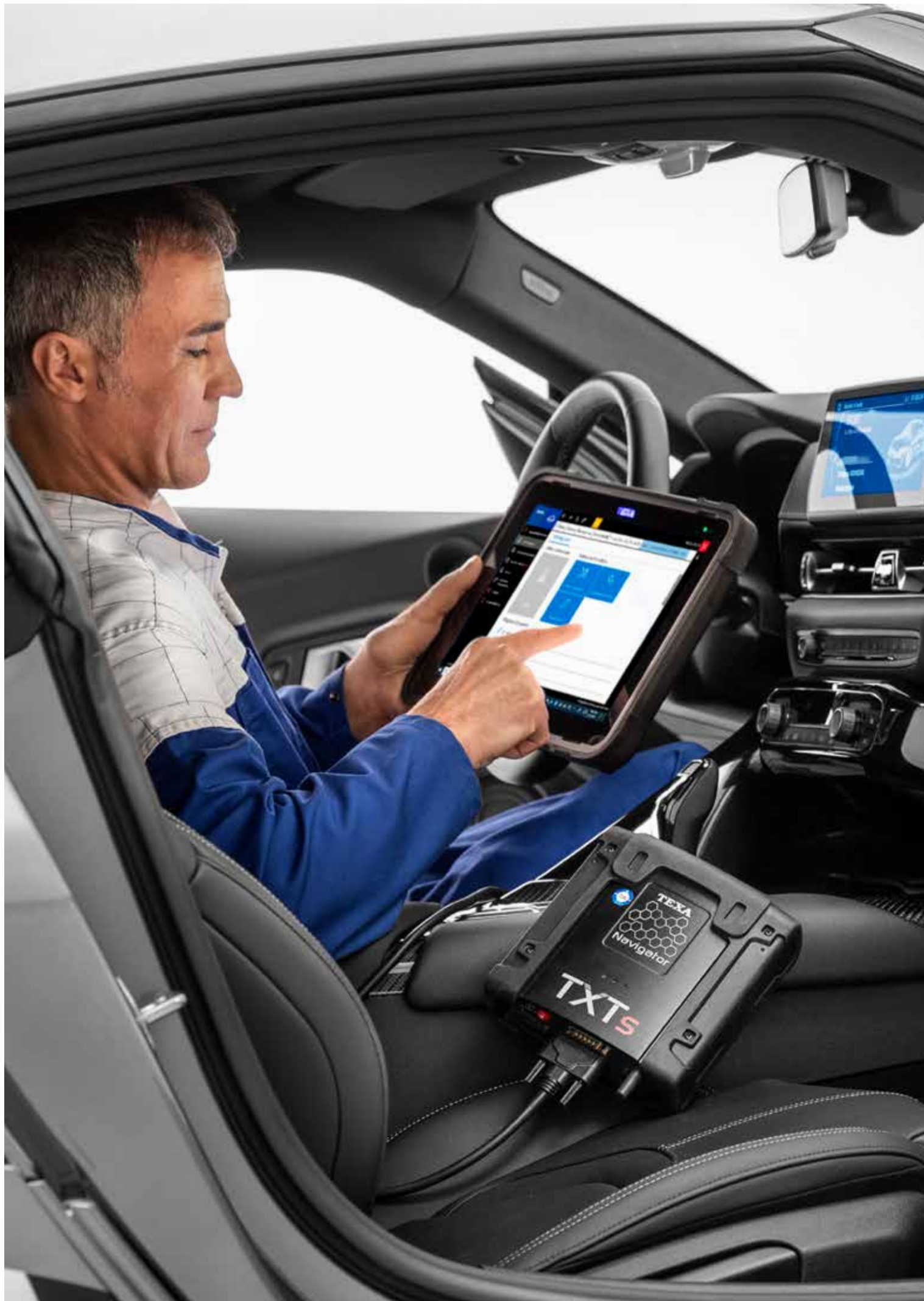
You can use it to run autodiagnostic tests, view parameters, status, activate devices, perform adjustments and configurations, reset warning lights, maintenance, service and airbag indicators, configure ECUs, program keys and remotes and much more.

The NAVIGATOR TXTs is **compatible with PASS-THRU protocol***, which allows workshops to connect to manufacturers' central servers and download software packages or official technical information.



*At the website www.texa.com/passthru, verify the recommended minimum hardware requirements and the enabled vehicle manufacturer diagnostic functions.





Navigator NANO S

The Navigator NANO S is the simplest of TEXA's vehicle interfaces.

Small, **lightweight and ergonomic** and extremely quick in exchanging data both with the vehicle and the diagnostic display unit, this vehicle interface allows you to carry out all operations on cars, light commercial vehicles, motorcycles, scooters, quads and jetskis.

Every aspect of the Navigator NANO S has been carefully designed and developed to fully satisfy the needs of the modern workshop and to allow technicians to complete all **diagnostic tests quickly and easily**.



DoIP NODE

DoIP NODE is the multi-brand adapter developed by TEXA, which allows carrying out high-speed **DoIP (Diagnosis Over Internet Protocol) diagnostic** operations on vehicles equipped with an **Ethernet communication BUS**, a new architecture that manufacturers are beginning to implement along with the traditional CAN-BUS line. The use of the DoIP NODE represents a great advantage for mechanics, as they **do not have to replace the TEXA instrumentation they already own**, but simply integrate its operation using it when the vehicle they are working on requires it.

Its **reduced dimensions** (70 mm x 120 mm x 40 mm) allow inserting it between the traditional OBD socket and Navigator NANO S interface and each time it identifies which protocol the vehicle uses.



ADAS Diagnosis

RCCS 3: two versions for a top-of-the-range solution



Watch the ADAS
official video



For calibrating sensors, radars, lidars, cameras and sensors TEXA developed and engineered **RCCS 3**, a top-of-the-range solution **available in two versions**: RCCS 3 with **Monitor** and RCCS 3 with **Panels**.

They both guarantee many fields of application as they are simple, fast and precise and can be used either with the **vehicle toe and thrust axis check kit** or in **optical alignment mode**.

Two versions, two types of approach to work but one result: **maximum safety for who drives and who performs the calibrations** thanks to the great ease of use and precision of RCCS 3.

The ADAS solutions by TEXA can be used in combination with optional devices to fully intervene on other electronic driver assistance systems among which:

- **ACS (All-around Calibration System)** that allows **calibrating 360° cameras and dopplers**.
- **IR Calibration Target** and **Night Vision System** that allow **calibrating infrared cameras**.
- **Blind spot radar reflector** that is essential for calibrating ultrasonic radars.
- **Doppler Simulator** for calibrating blind spot radars. It is an active simulator that responds to the frequency generated by the rear radars on vehicles.
- **360° camera mats**, a combinable kit that allows calibrating the 360° surround systems.

RCCS 3 with Monitor

the digital innovation for calibrating ADAS

RCCS 3 con Monitor is equipped with a **75" HD screen, 4K definition**, that always offers an optimal display of the panels, respecting the 1:1 proportion ratio in line with the specifications of every manufacturer. Furthermore, it does **not deform nor resize** the images.

Thanks to a built-in Mini PC, RCCS 3 synchronises perfectly with the IDC5 software and the panels are selected and set on the monitor without any risk of error. The continuous **software updates** offer each time new vehicles and possibly new panels, other than essential **help sheets** edited by make and model. This way users are certain they can complete all operations with maximum precision, counting on an extraordinary coverage.

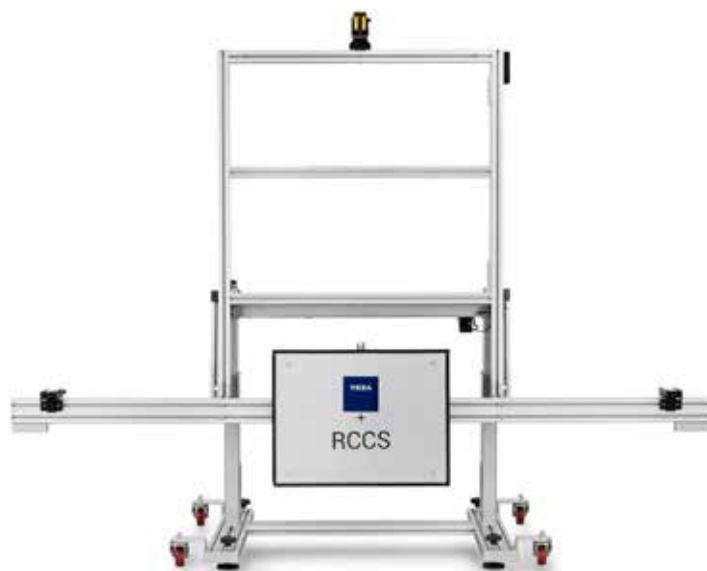


RCCS 3 with Panels

the version with physical targets

RCCS 3 can also be purchased in an "entry level" configuration that has the same exclusive features of the top-of-the-range version but requires using physical panels instead of the monitor.

This allows using the TEXA panels and accessories dedicated to calibration to complete all operations with maximum customer satisfaction.



An ad hoc solution for wheel toe and alignment

Before any calibration it is also important to check, other than verifying the calibration unit's alignment, the **toe and thrust angle of the vehicle** being worked on.

These operations are possible thanks to the use of **four CCD electronic measuring heads** (that must be installed both on the wheels, using the rim-clamping system, and on the sides of the horizontal adjustment bar) and the accuracy of the **TOE AND THRUST ANGLE CHECK** software application.



Very performing with the optical alignment also

In addition to the version with toe and thrust angle check, RCCS3 is also available in the highly performing **optical alignment** mode.

This configuration uses **rim-clamping** and was designed to complete all operations on radars and cameras quickly and precisely.

The vehicle is aligned by the lasers of two **distance meters** mounted on the structure's crossbeam aimed at two practical **pointing bands**.



TPMS Diagnosis

Tyre pressure monitoring



European legislation requires that all vehicles destined for the transport of passengers must be equipped as standard with TPMS (Tire Pressure Monitoring System). TEXA offers four different solutions for repairing tire pressure monitoring system malfunctions, resetting dashboard warning lights and performing other tire-related tasks in modern tire fitting centres.

TPS2

This tool has been **specially designed for tyre specialists** and for a complete, professional use with TPMS.

TPS2 **boasts a generous, high resolution colour display** that makes reading data and using the tool easy, even in bright sunlight.

A built-in Wi-Fi module allows configuring and connecting to a network for downloading software updates and managing additional functionalities.



Headlight analysis

The first smart headlight alignment system



eLight

It is the first headlight alignment system with built-in electronic diagnostics. It comes in two versions, **ONE** and **ONE^D**, with the same hardware features. The first communicates with the AXONE NEMO 2 display units to complete the operations, whereas the second is equipped with a **7" colour TFT touchscreen display** that allows technicians to select and activate the various headlight components directly.

eLight allows carrying out all the headlight-related checks on the constantly evolving technologies of modern vehicles. It is **lightweight**, thanks to its aluminium frame, and **easy to carry** thanks to its wheels.



Sanitation

Passenger compartment sanitation



AIR2 SAN

Sanitation is an increasingly significant topic, also in the automotive industry.

In this context, workshops, dealerships, vehicle rental companies, taxi companies, road and sea transport companies, fast-fit centres, car washes, fuel stations, and more in general **all the activities relating to the use of vehicles or workplaces, must be able to offer a sanitation service to their customers immediately.**

TEXA has responded to this new need with **AIR2 SAN**, an innovative device entirely designed and built in Italy. AIR2 SAN stands out from the other products on the market for some exclusive features, such as the process that transforms ozone into oxygen at the end of the sanitation cycle. This ensures the correct level of air quality, at the same time protecting the operator and the customer.



Measurements

Measuring tools



TEXA's new product in the field of measurements is **LASER EXAMINER**, a laser profilometer to check brake disc and tyre tread wear. TEXA's **UNIProbe** and **TwinProbe** interfaces allow taking all the physical measurements required for a conventional diagnosis, identifying potential faults. On the other hand, TTC (TEXA TENSION CONTROLLER) is ideal for the correct tensioning and mounting of the timing belt on bikes, ensuring an extremely professional service.

LASER EXAMINER

It is a practical small-sized laser profilometer that **allows measuring** the vehicle brake disc wear **with an accuracy of one-tenth of a mm**, without having to remove the wheel. Other than this measurement, using a simple adapter you can also check the **tyre tread wear**. LASER EXAMINER carries out both verifications quickly and easily; it allows you to provide customers with an accurate report on the "state of health" of their vehicle wheels, ensuring a professional assistance service and fostering customer loyalty.



UNIProbe

UNIProbe includes:

- **Oscilloscope:** four independent analogue channels, complete with SIV* function for interpreting measured signals.
- **Battery Probe:** for testing the battery's efficiency, analysing and checking all the starting and charging systems.
- **TNET:** for the measurement and electrical analysis of CAN automotive communication networks.
- **Signal Generator:** for simulating the pulses generated by sensors and the commands generated by control units and testing solenoid valves and other components.
- **Multimeter:** for voltage, resistance and current measurements (using a clamp-on ammeter).
- **Pressure Tester:** for checking turbo and fuel pressure on all vehicles.

* Indication of the range of values that a properly working component should measure.



TwinProbe

TwinProbe includes:

- **Oscilloscope:** two independent analogue channels with inputs up to ± 200 V, complete with SIV* function for interpreting measured signals.
- **Signal Generator:** for simulating the pulses generated by sensors and the commands generated by control units and testing solenoid valves and other components.
- **Ammeter:** for measuring currents. A BICOR clamp-on ammeter is needed to allow TwinProbe to run these tests.

* Indication of the range of values that a properly working component should measure.



Emission analysis

Exhaust gases, engine speed and temperature detection



For the checks connected to anti-pollution regulations, TEXA offers tools such as GASBOX Autopower (exhaust gas analyser for petrol and gas vehicles), OPABOX Autopower (opacity meter for diesel engines), MULTI PEGASO 3 (analysis station with a LED monitor), RC2 and RC3 (rev counters for cars and trucks), RCM (rev counter for bikes).

GASBOX and OPABOX

GASBOX is **an exhaust gas analyser for petrol, LPG and methane engines**, equipped with an analysis chamber designed by TEXA. OPABOX Autopower is a partial flow opacimeter for checking diesel engines, equipped with a latest generation smoke analysis chamber.

If used in combination with the practical trolley and with the Power Pack, they become easy to transport and to use, also thanks to the Bluetooth connection.



MULTI PEGASO 3

It is a **control station** designed for conventional vehicle repair shops **that also analyse emissions**.

The station is made up by a dedicated motherboard with a latest generation processor and comes with Bluetooth and Wi-Fi communication modules.

RC2 RC3

TEXA developed **RC2** and **RC3** for the detection of engine revs and temperature. The first can take measurements through an inductive clamp and piezo sensor or by the microphone and residual battery signal. RC3, other than these modes, can also read the data directly from the OBD socket and operate as an EOBD SCANTOOL.



Future-proof solutions for PTI center

Exhaust gas analysis is one of the most delicate and important phases in the mandatory testing of old and new motor vehicles. In recent years, advances in technology have led to the development of vehicles that are far more efficient in terms of exhaust gas emissions. Even these vehicles, however, need to be tested and certified to ensure that their emissions remain within the limits established by law. As time passes, emission limits are also becoming stricter, requiring the use of advanced technology to carry out the necessary tests. The demand for exhaust gas analysis tools is therefore constantly growing, not only from authorised vehicle test centres but from conventional garages too. TEXA has the solutions to satisfy that demand. TEXA's innovative exhaust gas analysis products are designed for use by test centers and garages performing pre-test checks. These easy to use tools incorporate TEXA's own, patented measuring technology and ensure accurate and reliable exhaust gas analysis in conformity to the latest emission control standards. Bluetooth communication technology and TEXA's Autopower battery technology mean that these tools can be used without any awkward cables. All TEXA exhaust gas analysis tools come with a practical trolley for easy mobility around the workshop without having to lift and carry them.

ETS (Emission Test Software)

ETS is TEXA's latest software for management of emission measurements as part of mandatory vehicle testing. ETS offers a choice of 24 languages and can be configured to function according to the standards in force in the country of use. The new "Configuration Wizard" and "Real-time Update" functions in ETS make the installation and configuration of vehicle test lines simple and intuitive. An advanced graphic interface makes ETS software easy to use even for less experienced operators and guides testers through the correct procedure. Depending on the legislation in force, at the end of the test, results can be printed out immediately or transmitted to the test management system in xml or proprietary format.

Maintenance on A/C systems



KONFORT 700 allows servicing vehicle A/C systems equipped with the **R1234yf**, **R134a** and **R744** refrigerant gases in an efficient, precise and safe way. It is produced on a worldwide unique assembly line and guarantees ultimate quality and lasting reliability. The components used during the assembly phase all have exceptional features and guarantee refrigerant recovery efficiency and filtering above 95%.

The design, with essential and clean lines, confers manageability and robustness and simplifies all operations. From TEXA's great experience in this field, **KONFORT TOUCH** was also created, a range of stations that, thanks to a 10" **multi-touch** display, allows completing all operations in a simple, fast and intelligent way.

THE RANGE OF KONFORT STATIONS IS APPROVED BY:

AUDI
BENTLEY
BMW
BUGATTI
CHEVROLET
HYUNDAI

JAGUAR
KIA
LAMBORGHINI
LAND ROVER
MAZDA
MERCEDES-BENZ

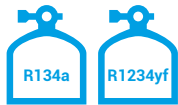
MINI
MITSUBISHI
NISSAN
OPEL
PORSCHE
RENAULT

SEAT
SKODA
SUBARU
SUZUKI
TOYOTA
VOLKSWAGEN

Check with your TEXA Distributor the model and type of refrigerant recommended from each individual car maker listed.

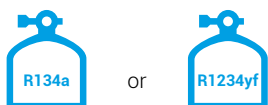
780 TOUCH

This is the top-of-the-range in the 700 series and the best the market has to offer. It is equipped with a **double tank** and **two distinct circuits** for recovery, recycling and recharging. This allows intervening both on vehicles that use the R134a refrigerant and on the ones that use R1234yf simultaneously.



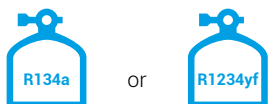
760 TOUCH/760 BUS TOUCH

In both versions the management of the maintenance service is completely automated. The **BUS version**, designed for larger systems, is **equipped with a 30 kg tank** and a 21-cc compressor. They can be used with either R134a or R1234yf.



720 TOUCH

It is an **"entry level"** station that can operate on all the systems in cars, commercial and industrial vehicles and tractors without compromising on the technology that is typical of the KONFORT range. It can be purchased preconfigured for the traditional R134a refrigerant gas or the new R1234yf.



770S

It implements exclusive technical solutions **according to the strict specifications imposed by German car makers**. The refrigerant tank is mounted on a sturdy electronic scale with a safety system that prevents loss of calibration during transport. It comes with an automatic leak detection system and EN837 Class 1 certified pressure gauges.



744

It is specifically designed to work with the **latest A/C systems containing R744 (CO₂)**. It also achieves the highest possible levels of precision: the quality of its components and the accuracy of its design allow an extremely accurate recharge with a maximum tolerance of only 10 grams (2 grams for oil).

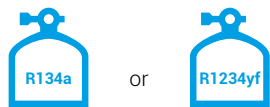


Watch the KONFORT 744
official video



712R

It is a **mid-range** model which boasts the typical technical features of the top-range models such as the automatic maintenance service management and the measuring of the amount of oil recovered with an electronic scale. It can be purchased in the R134a or R1234yf version.



Watch the KONFORT 712R
official video



710R

Though it is a **base model**, it offers a series of key functions of the KONFORT 700 range, including automatic leak detection, electronic refrigerant weighing, automatic timed oil and UV tracer injection, and high-efficiency refrigerant recovery (over 95%).



707R

This station works with the R1234yf refrigerant. **Essential and simple to operate**, it nevertheless incorporates all the latest design solutions. Its main features: a dehydrator filter that allows performing up to 300 maintenance services, a scale locking system, an alphanumeric keypad, 4 castors and the possibility to store the data on all the services completed. **It is also available in the OFF-ROAD version.**



705R

It is an **“entry level” solution dedicated to the R134a refrigerant**. It is ideal for workshops that wish to offer impeccable service while keeping their business costs low. KONFORT 705R has the same features as the other models that are part of the KONFORT range.

It is also available in the OFF-ROAD version.



REFRIGERANT IDENTIFIER KIT

This device immediately identifies the type of refrigerant in the vehicle, R134a or R1234yf, and **checks its purity**. The entire operation takes approximately one minute. If the refrigerant is found to be unsuitable or contaminated, the charging station warns the technician and blocks the operation.



Engine cleaning

Restoring optimal engine performance

Which advantages
are gained after the
treatment with

**H2
BLASTER**

- ✓ recovery of the initial power and better performance during acceleration
- ✓ stable idle and reduced noisiness
- ✓ fuel economy
- ✓ reduced harmful emissions
- ✓ EGR and DPF cleaning
- ✓ cleaning of the internal engine parts without disassembling



cleaning of the internal engine
parts without disassembling them

H2 BLASTER

H2 BLASTER, cleans all the **engine** components involved in the internal combustion process and restores optimal performances, reducing consumptions and harmful emissions.

Through electrolysis H2 BLASTER generates **oxyhydrogen**, a mixture of hydrogen and oxygen that, with the engine running and warm, is injected **into the intake manifold** through a practical service pipe and reaches the combustion chamber.

Here the **gas** is triggered by the high temperature and **transforms into high-pressure water vapour**. This is how the **decarbonation process** begins: the water vapour penetrates the scales and dissolves the carbon deposited on the pistons, valves and injectors and in general on the components that are between the chamber and the exhaust duct.



A training programme

to be always “ahead of the game”



TEXA believes customer training to be particularly important, since adequate technical competence and the correct use of diagnostic tools are critical to the success of repair work. The teaching methods used in TEXA courses are based on an ideal mix of theory and practical elements. Practice plays a fundamental part, as it combines testing and simulations with use of the technicians own TEXA diagnostic tools, thus stimulating a more active and dynamic participation and effective learning.



P5C: USE OF TEXA SOFTWARE AND DIAGNOSIS FOR CARS

AIM: Know all the functions available in TEXA's IDC5 diagnostic software and their practical application, to carry out electronic diagnoses on vehicles correctly. Among these: Automatic vehicle search, TGS3s Global System Scan; Error, Status, Parameter, Activation, Adjustment pages; Wiring diagrams, Technical sheets, Technical data and checks, Customer management, Technical support, Solved problems, Info Connect. Practical examples of self-diagnoses will be analysed during the video lesson.

DURATION: 4 hours (available also on-line)



D11C: INSTALLATION AND CONFIGURATION PROCEDURE OF THE INSTRUMENTATION FOR PASS-THRU DIAGNOSIS

AIM: Learn to access the manufacturers' websites. During the course, the trainer will configure the VCI and PC of each participant with the settings required to access the manufacturers' websites.

The course D11C is an essential prerequisite in order to access the following editions, which are specific for each manufacturer.

DURATION: 4 hours (available also on-line)



D11.1C: DIAGNOSTIC TECHNIQUES WITH THE PASS-THRU FUNCTION ON FORD AND CITROËN-PEUGEOT

AIM: Learn the procedures to access the websites in which the manufacturers FORD, CITROËN and PEUGEOT provide the information required to repair and service their vehicles: the ordinary and extraordinary maintenance registration forms, wiring diagrams, the explanation for the fault codes, the mechanical repair manuals. Be able to sign up to the manufacturers' websites and access the documents provided. Perform practical tests on the vehicles made available, using the pass-thru software programs provided by the manufacturers for reprogramming and coding control units based on the manufacturer's requirements.

DURATION: 6 hours (available also on-line)



D11.2C: DIAGNOSTIC TECHNIQUES WITH THE PASS-THRU FUNCTION ON TOYOTA-LEXUS, KIA-HYUNDAI

AIM: Learn the procedures to access the websites in which the manufacturers TOYOTA-LEXUS, KIA-HYUNDAI provide the information required to repair and service their vehicles: the ordinary and extraordinary maintenance registration forms, wiring diagrams, the explanation for the fault codes, the mechanical repair manuals. Sign up to the manufacturers' websites and access the documents provided. Perform practical tests on the vehicles made available, using the pass-thru software programs provided by the manufacturers for reprogramming and coding control units based on the manufacturer's requirements.

DURATION: 6 hours (available also on-line)



D11.3C: DIAGNOSTIC TECHNIQUES WITH THE PASS-THRU FUNCTION ON MERCEDES - SMART

AIM: Sign up to the websites in which the manufacturers MERCEDES and SMART provide the information required to repair and service their vehicles: the ordinary and extraordinary maintenance registration forms, wiring diagrams, fault codes with explanations, the mechanical repair manuals.

Configure a TEXA VCI for the pass-thru communication and perform practical tests on vehicles, using the pass-thru software programs provided by the manufacturers for reprogramming and coding control units based on the manufacturer's requirements.

DURATION: 6 hours (available also on-line)



D11.4C: MAINTENANCE AND SERVICE REPORTS COMPILATION THROUGH MANUFACTURER WEBSITES

AIM: The course shows how to sign up and solve any registration problems with the online services offered by vehicle manufacturers to service and repair their vehicles (with reference to the EU Reg. No 461/2010), through practical examples of registration to the BMW, Mercedes, VW/Audi, Mazda, Land Rover websites. You will learn to use the pass-thru software programs made available by manufacturers to perform the operations required by manufacturers themselves, and to configure a TEXA VCI for the pass-thru communication to perform official diagnoses. You will learn how to access FCA Technical Information and use the enabled credits that allow you to use TEXA's diagnostic tool.

DURATION: 6 hours (available also on-line)



D11.5C: DIAGNOSTIC TECHNIQUES WITH THE PASS-THRU FUNCTION ON BMW - MINI

AIM: Sign up to the websites in which the manufacturers BMW and MINI provide the information required to repair and service their vehicles: the ordinary and extraordinary maintenance registration forms, wiring diagrams, fault codes with explanations, the mechanical repair manuals. Configure a TEXA VCI for the pass-thru communication and perform practical tests on vehicles, using the pass-thru software programs provided by the manufacturers for reprogramming and coding control units based on the manufacturer's requirements.

DURATION: 6 hours (available also on-line)



D11.6C: DIAGNOSTIC TECHNIQUES WITH THE PASS-THRU FUNCTION ON RENAULT - DACIA AND SECURE GATEWAY UNLOCK

AIM: Learn to perform the procedure to unlock the Secure Gateway installed on latest-generation Renault vehicles. Without this unlocking procedure, the normal diagnosis, including the service resets, will not be possible. Use the pass-thru software to code the control units, and especially reprogram them, updating the software or writing new control units. Learn how to use Renault's website Dialogys for independent vehicle repairers and retrieve wiring diagrams, technical manuals, fault codes with explanations, technical bulletins, repair times and spare parts.

DURATION: 6 hours (available also on-line)



D11.7C: DIAGNOSTIC TECHNIQUES WITH THE PASS-THRU FUNCTION ON FCA

AIM: Participants will be able to use the websites where the manufacturers FIAT - ALFA - LANCIA - ABARTH - CHRYSLER - JEEP and DODGE provide the information required to repair and service their vehicles. At the end of the course, participants will be able to access these websites with their own accounts and download technical manuals and repair information in general (wiring diagrams, technical bulletins, diagnostic sheets, etc.). Moreover, the participant's PC will be configured to access the manufacturer's Pass-Thru website in order to use the diagnostic procedures made available: programmings, updates, and diagnostic data reading.

DURATION: 6 hours (available also on-line)



D12C: CHECKING ACTUATORS AND SENSORS WITH SELF-DIAGNOSIS AND OSCILLOSCOPE ON MODERN EURO 6 ENGINES

AIM: Learn how to check the operation of electrical and electronic components in modern Euro 6 Diesel engines through self-diagnosis and the analysis of reference parameters. Be able to analyse the operation of components using the oscilloscope. Know the features of modern Euro 6 engines and their operating strategies. Learn how to operate on the vehicle by checking the sensors and actuators using the diagnostic tool and the oscilloscope. Be able to analyse the most common faults on modern vehicles. Know the new features of TEXA's multi-brand diagnosis and the operation of data protection systems (firewalls) used by many manufacturers on the most recent vehicles. The course is supported by practical tests and videos showing the tests carried out at the workshop.

DURATION: 6 hours (available also on-line)



D9C: ADVANCED DIAGNOSIS AND CALIBRATION OF THE DRIVER ASSISTANCE SYSTEMS

AIM: Learn the technical features and the operating modes of the advanced driver assistance systems and the operating modes, position and functions of the technologies involved: RADAR, LIDAR, camera, infrared camera, ultrasonic sensors. Know the operating principle of the following systems: Park Assist, Lane Departure Warning, Adaptive Cruise Control, Forward Collision Warning, Adaptive High Beam Control, Pedestrian Detector, Blind Spot Detection, Park Assist, Night Vision, Drowsiness Detection System. Be able to carry out diagnostic and troubleshooting procedures using the diagnostic tool, and to interpret the errors, parameters, statuses, activations and adjustments pages.

DURATION: 8 hours (available also on-line)



G1: BASIC AUTOMOTIVE ELECTRONICS AND ELECTRICAL ENGINEERING

MOD. 1-2 MOD. 3-4

AIM: Learn how to use the multimeter properly, avoiding the most common measurement errors. Be able to check the efficiency of a lead-acid, AGM, GEL and lithium battery, as well as ground points. Know the functioning and operating modes of the oscilloscope. Learn how to use the oscilloscope properly, and the basic principles to carry out checks such as: checking the smart alternator and the high and low power supplies; checking the operation of diodes and transistors in electric motors; assessing the PWM and PFM control signals of the most common electric actuators (EGR, motorised throttle, LED headlights).

DURATION: 16 hours (available also on-line)



PES-PAV QUALIFICATION: PROCEDURES TO OPERATE SAFELY ON HYBRID AND ELECTRIC VEHICLES (CEI STANDARD 11-27)

AIM: Obtain the qualification needed to perform work involving electrical risks on electric or hybrid vehicles according to CEI EN 11-27 standard, in compliance with the requirements of Legislative Decree 81/2008 governing the safety of workers. Such qualification can be given to employees only by the employer, in writing, based on professionalism, aptitude and experience. The topics covered in the online course refer to the qualification levels as per CEI standard 11-27: 1A, 2A, 1B and 2B.

DURATION: 16 hours (available also on-line)

TEXA

Founded in Italy in 1992, TEXA is today a world leader in the design, industrialisation and production of multi-brand diagnostic tools, exhaust gas analysers, air conditioning charging stations and telediagnostic devices, for cars, bikes, trucks, boats, and agricultural vehicles. TEXA is present all over the world with a widespread net of distributors: it commercialises directly in Brazil, France, the UK, Germany, Japan, Spain, the US, Poland and Russia through its subsidiaries. TEXA currently employs more than 700 people around the world, including over 150 engineers and specialists working in Research and Development. Over the years, TEXA has received a large number of prizes and awards for innovation, in many countries worldwide. All TEXA tools are designed, engineered and built in Italy, using extremely modern automated production lines which guarantee maximum precision. TEXA is particularly committed to the quality of its products: it obtained the strictest certifications, such as the TISAX (Trusted Information Security Assessment Exchange), a standard defined by the VDA, the German Association of the Automotive Industry, which guarantees the highest level possible of information and know-how protection against increasingly frequent cyber-attacks. It joins other certifications, such as the IATF 16969, specific for first automotive suppliers; the VDA 6.3, another method by German manufacturers that established itself as an international point of reference; and the ISO/IEC 27001 in the information security field.

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.



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**TEXA**

TEXA S.p.A.

Via 1 Maggio, 9
31050 Monastier di Treviso
Treviso - ITALY
Tel. +39 0422 791311
Fax +39 0422 791300
www.texa.com - info.it@texa.com

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QUALITY SYSTEM
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