



TRUCK Solutions

www.texa.com

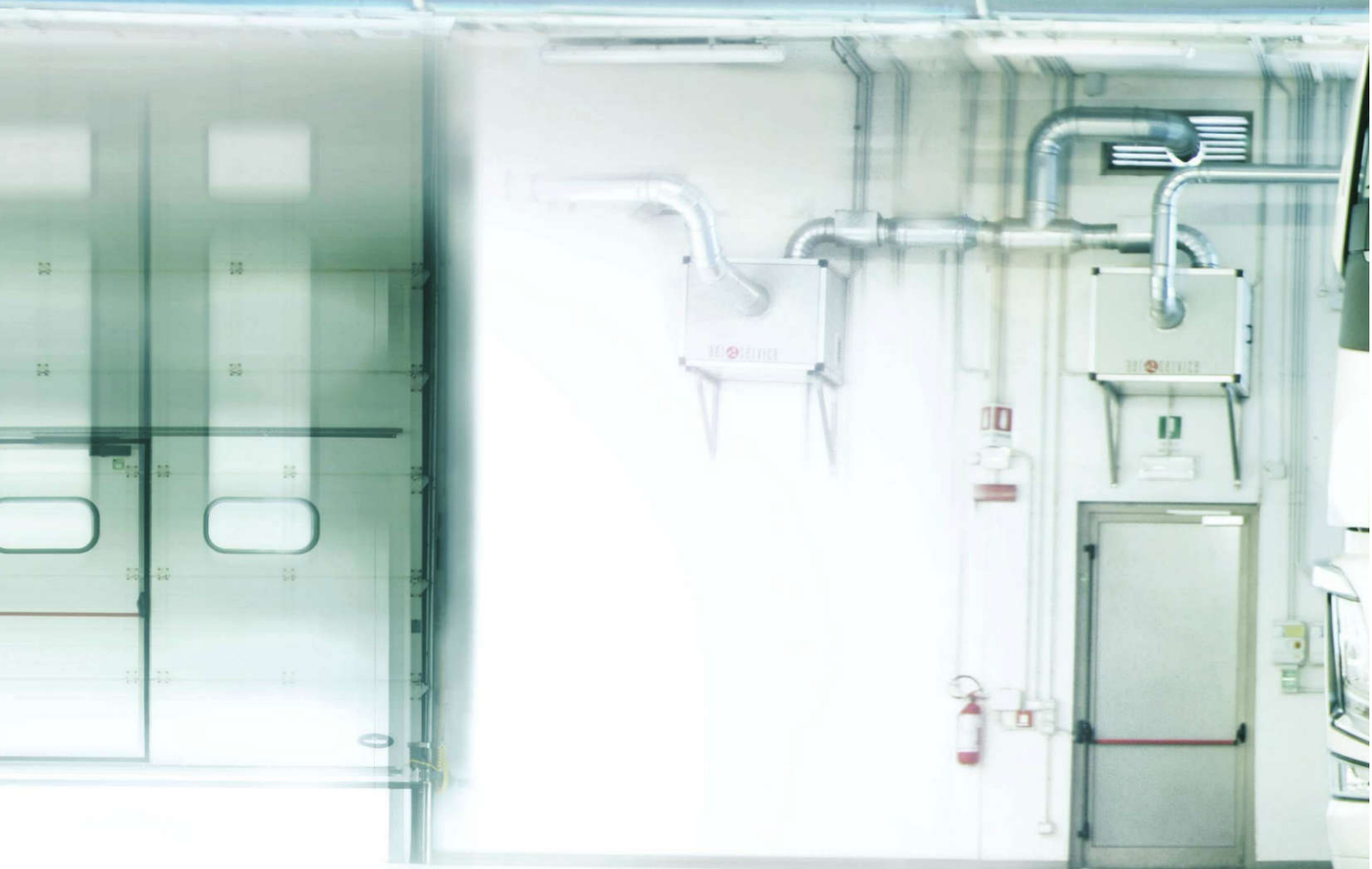
TEXA

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.



WARNING

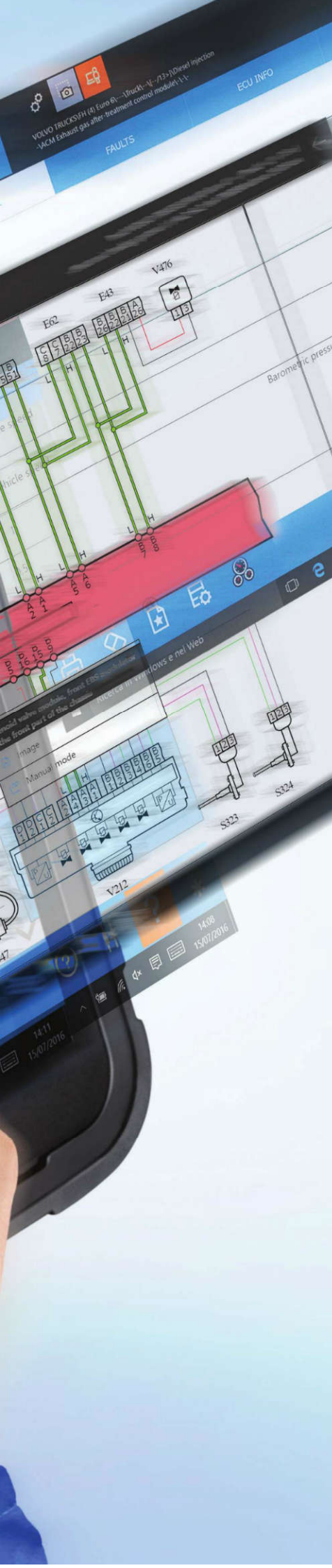
The trademarks and logos of vehicle manufacturers in this document have been used exclusively for information purposes and are used to clarify the compatibility of TEXA products with the models of vehicles identified by the trademarks and logos. Because TEXA products and software are subject to continuous 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.



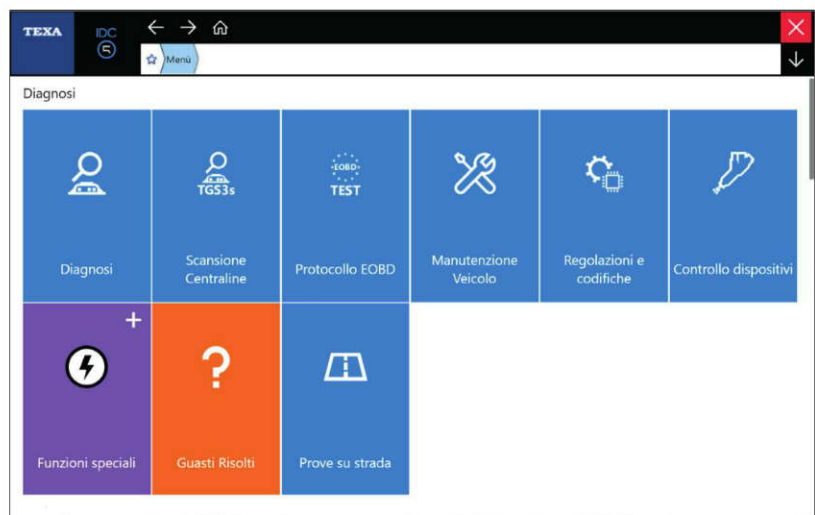
IDC5: Diagnosis without frontiers

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 and the menu has been revised and is now arranged vertically. This new solution lets you scroll rapidly through all available options without ever having to change pages. A simple touch is all that is needed to zoom in on the functions you want.

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 constantly evolving and is open to new technologies that appear in the near future, including, for example, those offering the possibility to select and activate diagnostic functions by voice.

Exclusive IDC5 functionalities

IDC5 is the software to beat when it comes to multi-brand diagnostics. IDC5 provides an extensive series of exclusive functionalities developed and optimised by TEXA's own R&D department.



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.



"SOLVED PROBLEMS" and TROUBLESHOOTING

powered by Google® (by subscription)

Using this function, technicians can carry out repairs rapidly and applying the correct procedure, exploiting Google search technology to access the TEXA troubleshooting database. This contains solutions found by technicians all over the world and collected by TEXA's international call centres.

Two kinds of search can be performed using SOLVED PROBLEMS:

- **Troubleshooting**, i.e. logical and systematic searches for the cause of a problem, designed to analyse symptoms and determine the right solution by following a precise flow.
- **Workshop experience**, for finding practical solutions based on advice given by our Call Center experts to tens of thousands of TEXA customers around the world.





TGS3s global system scan

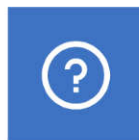
The amazing TGS3s automatically scans all the accessible* control units on the vehicle. The system is impressively fast in the way it recognises the ECUs and accesses the relevant diagnostics. On completion of the scan, TGS3s immediately displays any errors detected on the vehicle along with the relevant 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.



Wiring Diagram Detail

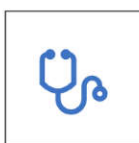
This function makes an instant link between the error read from the control unit and the corresponding component on the wiring diagram. From the wiring diagram you can access the test functions and device descriptions typical of the IDC5 operating environment.



Recording of diagnostic sessions

(Rec&Play)

Faults sometimes intermittently occur under specific operating conditions. For example, power may be lost only when driving uphill or when the engine is under a high load, or perhaps a warning light comes on only when the engine is hot. 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.



OEM Vehicle Check-Up

This function displays a list of systems configured on a vehicle and lets you view a list of any errors detected. The function identifies all ECUs and reads their error logs (3 to 20 times faster than normal). It also determines the state of each error (active or logged) and provides instant access to the "Error Help" function and related fault solutions. In addition, the function lets you select and display a determined group of ECUs and even cancel errors without having to re-establish communication between the tool and the control unit.

Special reprogramming functions

Specific vehicles and/or systems may require special functions, such as: reprogramming of new generation air dryers (APU: Air Processing Unit / APM: Air Processing Module); programming of ZF As-Tronic® transmissions; advanced configuration of new EBS braking systems on trailers; and replacement of electronic control units with the possibility of transferring parameter settings from the old unit to the new one. All these special functions can be performed easily and safely in IDC5 TRUCK.







DASHBOARD

The DASHBOARD* is an exclusive function of IDC5 operating software that lets you view a vehicle's operating parameters. Its attractive and intuitive graphic interface reproduces a vehicle's dashboard, mechanical components and functioning logic.



* Customers using an AXONE Nemo diagnostic tool will find the DASHBOARD already present and active. Customers using other diagnostic tools can purchase DASHBOARD as a dedicated app from the "TEXA APP" virtual store.

Support for Autodiagnostics

Technical Specifications, Data sheets and Wiring Diagrams provide detailed information on the functionalities of individual systems to support autodiagnostic tests. In addition, users can also look up specific mechanical data for each vehicle.



Technical Specifications

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



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.



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.



i-Support (by subscription)

This function can be used to send a request for assistance simply by entering the type of vehicle and the system being serviced, then describing the specific problem that cannot be solved. The TEXA call centre will immediately deal with the request and provide a response to solve the problem in the shortest possible time.



TEXA APP*

TEXA APP is a totally new addition to the world of multi-brand diagnostic tools. The TEXA APP virtual store lets you request activation of a large number of applications for the vehicle repair with one simple click.

TEXA APP provides diagnostic software and innovative applications developed by TEXA. It allows you to customise your tools directly from IDC5 software, adding the most suitable functionalities for your own purposes. Your diagnostic tool therefore becomes more modular and flexible than ever in the way it matches your professional requirements.

The TEXA APP store is divided into two different sections:

- TEXA APP: this section lists all available software and applications developed by TEXA; it can be used to extend coverage or software functions by upgrading to a new version, or to activate new APPs as they are released.
- PARTNER APP: this section lists apps developed as the result of TEXA's partnership with providers of goods and services for automotive technicians, including manufacturers and distributors of spare parts, specialist magazines, technical information services and so on.





*Check the availability of TEXA Apps for your tool.

Unrivalled coverage

Vehicle diagnostics is TEXA's core business. To keep ahead of the competition, TEXA is committed to offering its customers the best possible coverage of vehicles in circulation. The various teams operating in TEXA's European subsidiaries have recently been complemented by new teams working directly in Asia to ensure prompt and accurate coverage for Japanese, Korean, Chinese and Indian vehicles. This network guarantees customers all over the world a coverage that is simply without rivals in terms of the number of vehicles covered and the quality of the coverage provided. Regular software updates are guaranteed by subscription to a TEXPACK.

Over 125.000
diagnostic options



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



Diagnostic solutions

TEXA's diagnostic solutions are based on the powerful AXONE Nemo display units and on the robust NAVIGATOR TXTs vehicle interface. 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

The AXONE Nemo is the most technologically complete and powerful display unit on the market today, with characteristics easily comparable to those of leading commercial tablets. Unlike a tablet the AXONE Nemo is incredibly tough and able to withstand severe shocks, including falls into water: thanks to a special TEXA patent, the AXONE Nemo is the world's only PC-type device that floats. The casing of the AXONE Nemo is made entirely from magnesium, a noble metal that stands out for its light weight and efficient heat dispersal. This high level of functionality is equalled by TEXA's traditional attention to style: the AXONE Nemo is not just practical but attractive too. It is also packed with advanced technology, starting from an ultra-wide 12 inch capacitive touch-screen with the impressive resolution of 2160x1440, with tough Gorilla Glass protection. The heart of the AXONE Nemo is an Intel® Quad Core N3160 processor with 8 GB of RAM and 250 GB of storage. Connectivity is guaranteed by an advanced, double channel Wi-Fi system and a Bluetooth® 4.0 Low Energy module. The AXONE Nemo incorporates a full set of sensors, including a barometer, an accelerometer, a gyroscope, a compass, a light sensor and a GPS module. Another distinctive feature is the presence of two 5 megapixel cameras, one forward facing and one rear facing complete with flash/torch and autofocus.







NAVIGATOR TXTs

The NAVIGATOR TXTs is the most powerful, highest performer of TEXA's vehicle interfaces and lets you work in the TRUCK, CAR, 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.



* Go to www.texa.com/passthru to verify compatibility and the functions made available by individual vehicle makers.

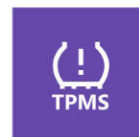
TPMS solutions

More vans and trucks are being fitted with tyre pressure monitoring systems, which have been seen to make a major contribution to road safety. TEXA has developed a dedicated solution for checking the correct functioning of these systems.



TPS

The TPS is TEXA's basic tool for tyre-related operations. It boasts an exceptional coverage of makes and models as well as TEXA's traditionally robust design and build quality. The TPS communicates with the valve sensors on each wheel, activates them if they are in standby and verifies their efficiency. The tool's own display reads out pressure, temperature and battery charge level (where available), as well as the identification codes and other diagnostic information provided by the vehicle manufacturer. The TPS lets you check the efficiency of tyre pressure sensors so that you can change them if necessary.



APP TPMS Repair

The TPS integrates perfectly with all the other TEXA diagnostic products in your workshop. The free "TPMS Repair" app can connect with any PC running TEXA IDC5 software or with AXONE Nemo.

Electrical diagnostics

In many cases, autodiagnosics cannot provide the answer. If a vehicle's ECUs have no errors logged, the problem may well lie in an electrical or mechanical failure. Conventional diagnostics are needed in these circumstances and analog and digital measurements are taken to determine the efficiency of components like the battery, sensors, actuators and CAN network. TEXA's UNIProbe and TwinProbe interfaces let you make all the physical measurements you need to perform a conventional diagnosis and identify potential faults.





The UNIProbe and TwinProbe are two devices for acquiring the analogue and digital measurements needed for conventional diagnostic testing.

UNIProbe

The UNIProbe includes:

- Oscilloscope: four independent analogue channels, complete with SIV function for interpreting measured signals.
- Battery Probe: for testing the battery, analysing and checking the entire starting and charging system.
- 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 fuel supply and turbocharger pressure on all vehicles.



TwinProbe

The TwinProbe includes:

- Oscilloscope: two independent analogue channels with inputs up to $\pm 200V$, 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.



KONFORT A/C recharge stations

The KONFORT 700 range is made up of innovative models with different specifications and operating modes for the high precision of vehicle air conditioning systems. The range is produced on an assembly line that is the only one of its kind in the world to ensure the ultimate in quality and lasting reliability. The exceptional characteristics of their components guarantee a refrigerant recovery rate of over 95%. An essential, stylish design combines with easy handling, sturdiness and safety to make all A/C system maintenance operations quick and easy.



KONFORT 760R BUS

The KONFORT 760R BUS is the ideal solution for carrying out A/C system maintenance and refrigerant recharging on all heavy goods vehicles. This highly-automated workstation - recommended by the world's leading vehicle manufactures - implements advanced technology and features a total of eight registered international patents. The 760R BUS has been designed specifically for large A/C systems. The operating software installed reflects the strictest SAE standards in terms of precision and accuracy. Using a vast array of sensors, the KONFORT 760R BUS can manage refrigerant identification and recharging operations with unprecedented precision. An evolved TFT colour display follows all the phases of the automated recharge cycle, displaying images, graphics and data screens. Any malfunction encountered is flagged up and identified by a detailed error message. A removable memory (SD card) allows the station to communicate with a stand-alone Windows PC for the purpose of updating the database of makes and models, checking and certifying completed maintenance operations, and upgrading software when necessary. The KONFORT 760R BUS can be fitted with a refrigerant identifier kit to prevent contamination between refrigerants and to detect the presence of counterfeit products in the vehicle's air-conditioning system.

Main features

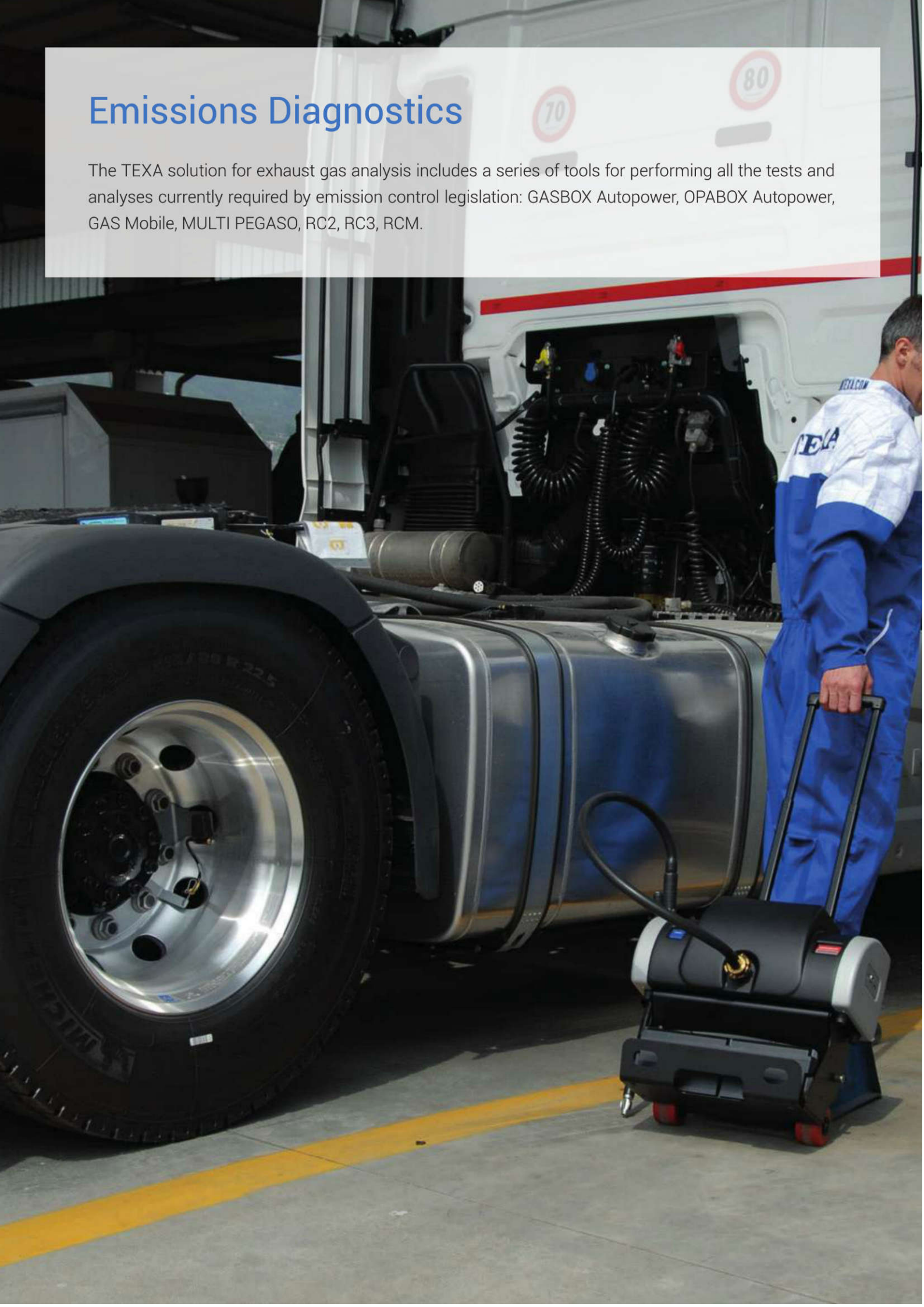
- R134a or R1234yf compatible
- High visibility colour TFT display with interface Graphics
- DATABASE/SERVICE management via SD card
- Rotating gauge display
- 30 Kg internal tank
- +/- 15 gr load precision
- High efficiency refrigerant recovery (above 95%)
- Dual stage vacuum pump
- Hermetically sealed bottles
- Automatic high precision oil injection
- Automatic oil bottle recognition
- Automatic precise refrigerant measurement check
- Scale lock system
- Automatic service procedure management
- Functionality:
 - DATABASE
 - PERSONALISED SERVICE
 - MY DATABASE
- Multilingual software
- Automatic service hose length compensation
- Automatic maintenance alarm
- Simplified maintenance
- Automatic management of uncondensable product

Optional

Flushing Kit, VDC Kit, Climate efficiency kit, refrigerant identifier kit, thermal printer, air conditioning system autodiagnosics.

Emissions Diagnostics

The TEXA solution for exhaust gas analysis includes a series of tools for performing all the tests and analyses currently required by emission control legislation: GASBOX Autopower, OPABOX Autopower, GAS Mobile, MULTI PEGASO, RC2, RC3, RCM.





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.

*Market specific solutions available



GASBOX AUTOPOWER

Exhaust gas analyser

The GASBOX Autopower is an exhaust gas analyser for the measurement of CO, CO₂, O₂, HC (and optionally NO) in petrol and gas fuelled vehicles. It is homologated by the Italian Ministry of Transport for use in vehicle test centres on light and heavy vehicles.

OPABOX AUTOPOWER

Opacity meter

The OPABOX Autopower verifies the opacity of exhaust emissions from vehicles powered by diesel engines. Its sensors can measure opacity from light and heavy vehicles. OPABOX Autopower is homologated according to the latest standards.



The GASBOX and OPABOX both come with a practical trolley for easy movement around the workshop. Standard Bluetooth connectivity and the optional Power Pack (external battery pack) make it possible to use both units in a totally wireless way.



MULTI PEGASO GAS and GAS MOBILE

The MULTI PEGASO is an exhaust gas analysis and control station for conventional vehicle repair shops. The station comprises a dedicated controller with the latest generation processor, and comes with Bluetooth and Wi-Fi communication modules.

The GAS Mobile is a lightweight and compact portable device featuring a high-visibility graphic LCD display used to test all types of engines, running on petrol, diesel or alternative fuels. It exploits Bluetooth wireless technology to communicate with OPABOX Autopower, GASBOX and the RC2 and RC3 engine speed and temperature gauges.



RC3, RC2 and RCM



The RC3 is a universal rev counter for use with light and heavy vehicles. It incorporates two data acquisition systems: Battery ripple and OBD cable. As an option, it can also be used with an inductive clamp or piezoelectric sensor. The RC3 supports EOBD protocols: ISO 9141, KW2000, PWM, VPW, CAN BUS and the recent WWH-OBD.



The RC2 is a rev counter for cars. It comes with a Battery Ripple sensor but can also be used with an inductive clamp or piezoelectric sensor (both available as optionals).



The RCM is an exclusive motor vehicle rev counter from TEXA that uses an innovative directional antenna to measure engine speed with great accuracy. The RCM is ideal for use with fully faired motorcycles on which it is not possible to use an inductive clamp.

Technical Training

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.





D3T

D3T

TRUCK diagnosis, resetting and configuration techniques

This course teaches participants to: interpret the results of diagnostic tests on Iveco Cursor and Tector engines; follow the correct procedure for replacing components like injectors, fuel pumps and electronic dryers; perform conventional maintenance operations correctly on the most common Mercedes, Volvo and MAN gearboxes (replacing the clutch, clutch servo or actuators); replace ZF AsTronic control units; reset maintenance intervals on Mercedes, MAN and Volvo vehicles.



G18

G18

Diagnosing TRUCK common rail engine management systems

An analysis of Bosch 1st generation common rail systems on the Iveco Daily, Mercedes Sprinter, Renault Midlum and Premium; Bosch 2nd generation common rail systems on the Iveco Daily 2.3 MJT; Iveco Eurocargo; Renault Midlum and Premium; Volvo FL and FE; Man TGA, TGM, TGL, 1GX and 1GS, DAF LF; Delphi systems for Ford and Renault; Bosch 3rd generation common rail systems on the Iveco Daily and Fiat Ducato 3.0 MJT, Mercedes Sprinter 3.0, VW Crafter; Siemens systems for Ford, PSA and Renault; Delphi systems for Mercedes C and E Class 2.0 engines, Vito and Viano; 4th generation common rail systems on Actros MP4 and AROCS vehicles.



G19

Electronically controlled suspensions

The design of pneumatic suspension systems; system types; component identification; pressure testing; checking lift axles; traction assistance, etc. ECAS system architecture and components; control units, pressure sensors and actuators of the most common configurations (4X2, 6X2, etc.); differences between development stages. System diagnosis and calibration on DAF, Iveco, MAN, Mercedes, Renault, Scania and Volvo vehicles. Description of the ECS system and its components; differences between systems; recovery strategies; calibration procedures.



G20

Advanced EBS programming for trailers

The structure of an EBS system; electronic braking correctors; main components; EBS modulators; EBS and ABS relay valves, etc. Configurations and settings using an autodiagnostic tool; transferring configurations; control unit parameter settings, etc. Description of the risks operators encounter when using settings functions on autodiagnostic tools. Important! An adequate understanding of the risks involved is essential when using the advanced and special programming functions of TEXA's software to change settings and calibrate braking systems.



G21

SELECTIVE CATALYTIC REDUCTION (SCR) / ADBLUE™ SYSTEMS

European emission legislation and post-treatment technologies; anti-particulate filter systems and DPF systems; types of SCR system; typical faults; analysis of Bosch Denoxtronic systems; autodiagnostic procedures for DAF, MAN and SCANIA; analysis of Bosch Denoxtronic2 systems; diagnostic procedures for IVECO and Volvo Renault; diagnosis of CUMMINS systems; analysis and diagnosis of the Mercedes Bluetec system; functioning of the Scania/Mercedes Euro VI system.



G22

EURO 6 engines - MERCEDES, SCANIA and IVECO

The latest developments in EURO 6 engines for MERCEDES OM93x and OM47x, SCANIA DC09, DC13 and DC16 and IVECO F4A, F2C, F3G and F3H engines. Test and replacement procedures for EGR valves. Design of emission control devices, oxidising catalytic converters, DPF filters and SCR catalytic converters. DPF forced regeneration and replacement procedures. Diagnosis of the Cummins SCR system and Denoxtronic 2.2 SCR system. The diagnostic testing, parameter checking and setting procedures required by the different constructors.

**G23**

G23

EURO 6 engines - DAF, VOLVO, RENAULT and MAN

The latest developments in EURO 6 engines for DAF PX-5, PX-7, MX-11 and MX13, VOLVO D5K, D8K, D11K, D13K and D16K, RENAULT DTI 3, DTI 5, DTI 8, DTI 11 and DTI 13 and MAN D08, D20, D26 and D38 engines. Test and replacement procedures for EGR valves. Design of emission control devices, oxidising catalytic converters, DPF filters and SCR catalytic converters. DPF forced regeneration and replacement procedures. Diagnosis of the Denoxtronic 2.2, Emitec and Volvo SCR systems. The diagnostic testing, parameter checking and setting procedures required by the different constructors.

**S1T**

S1T

IVECO EDC7 common rail engine management

Analysis of the EDC7 common rail system used by the IVECO group; checking Euro 3 hydraulic circuits and measuring pressures; checking components and EDC control unit pinning; checking Euro 4/5 hydraulic circuits and measuring pressures; analysis and checking of electronic components and repair strategies; use of the oscilloscope to verify signals; use of a diagnostic tool to analyse errors and parameters.

**S2T**

S2T

MAN EDC7/C32 Common Rail engine management

The EDC7 system on MAN Group vehicles: the hydraulic circuit and system pressure control, analysis and functioning of Euro 3 version components. Analysis and checking of electronic components and strategies for repair; using an oscilloscope to check signals and using a diagnostic tool to read and analyse errors and parameters in Euro 4 and Euro 5 systems with an EDC7 C32 electronic control unit. The course also covers the necessary setting, encoding and fault finding procedures, compression testing and cylinder deactivation.

**S3T**

S3T

DMCI - DAF MULTI CONTROLLED INJECTION ENGINE MANAGEMENT

The functioning of the DMCI system and its component parts, the hydraulic circuit of MX and PR engines, and how to check pressures. The functioning of the MX engine brake, turbocharger and wastegate, and e-fan electronics; control unit pinning and the CAN network. The pump and injector coding procedure, acceleration tests, cylinder performance, turbine pressure and performance, diagnostic procedures using TEXA tools.

Verify the availability of courses in your own country.

TEXA

TEXA was established in Italy in 1992, and today is one of the world's leading names in the design and production of multibrand diagnostic and telediagnostic tools, exhaust gas analysers and air conditioning maintenance stations.

TEXA operates virtually all over the world through an extensive distribution network. In Spain, France, Great Britain, Germany, Brazil, the United States, Poland, Russia and Japan, TEXA markets its products directly through its own subsidiaries. TEXA employs some 600 people around the world, including over 100 engineers and specialists working in Research and Development.

TEXA has won many international awards over the years, including the Innovation Award at Automechanika in Frankfurt (2010 and 2014), the "Award of Awards" for the most innovative company in Italy, presented by the President of the Republic, Giorgio Napolitano (2011), the Irish Automotive Innovation Award (2014) and the Golden Key Award in Moscow (2014 and 2015). In 2015, MIT Technology Review classed TEXA as one of the ten most "disruptive" companies in Italy. Also in 2015, TEXA won the Frost & Sullivan "European Commercial Vehicle Diagnostics Customer Value Leadership".

All TEXA tools are designed, engineered and built in Italy, using modern automated production lines which guarantees maximum precision. TEXA focuses careful attention on product quality, and has obtained certification in accordance with the strict ISO TS 16949 requirements for suppliers of original equipment to the automotive industry.

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

To check on IDC5 compatibility and minimum system requirements, go to: **www.texa.com/system**

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