

Diagnostic solutions **TRUCK**



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.





IDC5 SOFTWARE

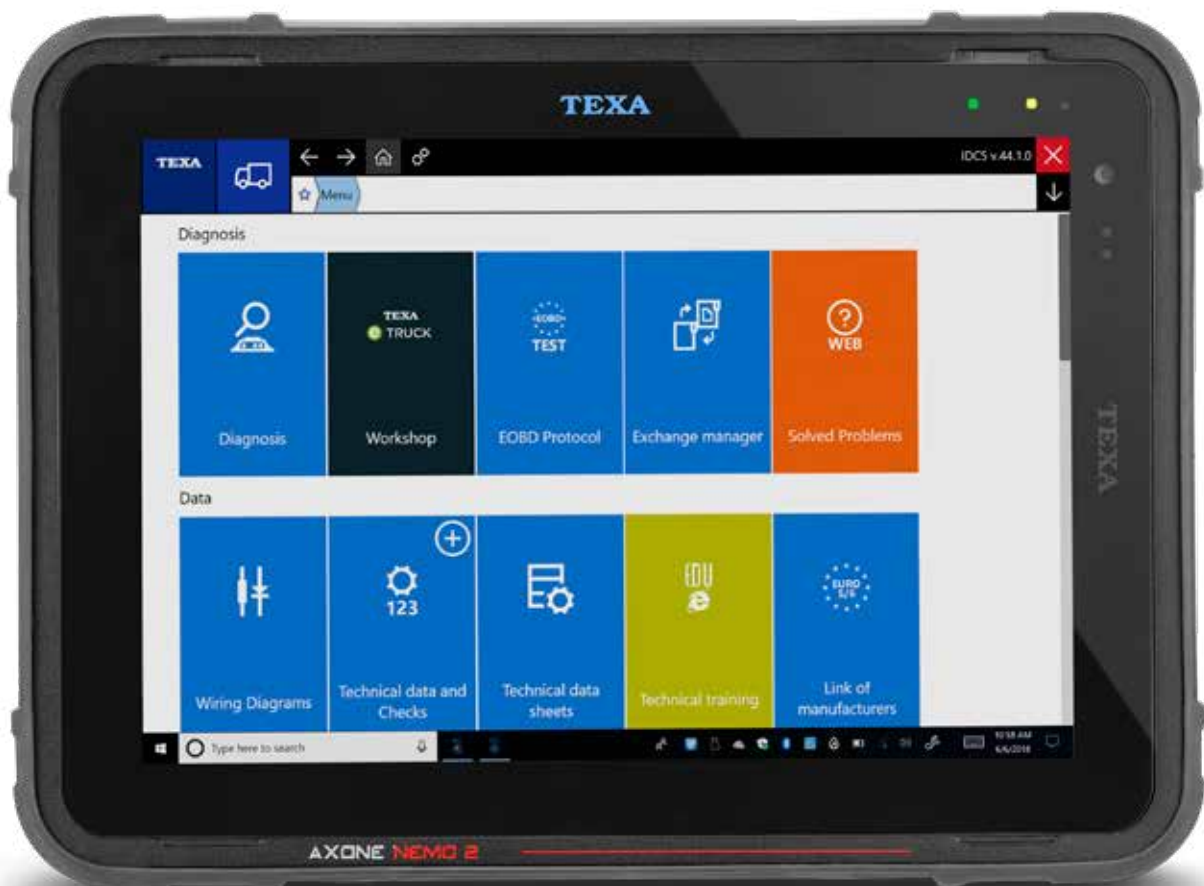
Diagnosis without frontiers

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 constantly evolving and is open to new technologies that appear in the near future, including.





A whole world of functions and services

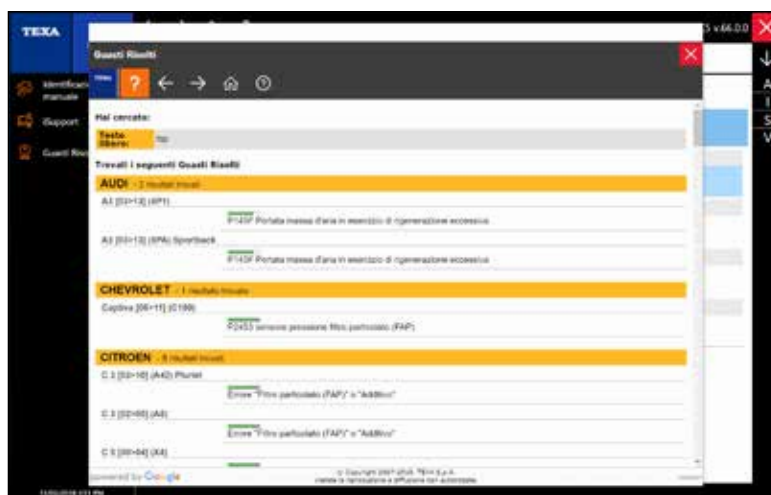
IDC5 is the software provides an extensive series of exclusive functionalities developed and optimised by TEXA's own R&D department.

SOLVED PROBLEMS and TROUBLESHOOTING powered by Google™

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.



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.



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.



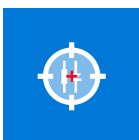
Freeze Frame

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.

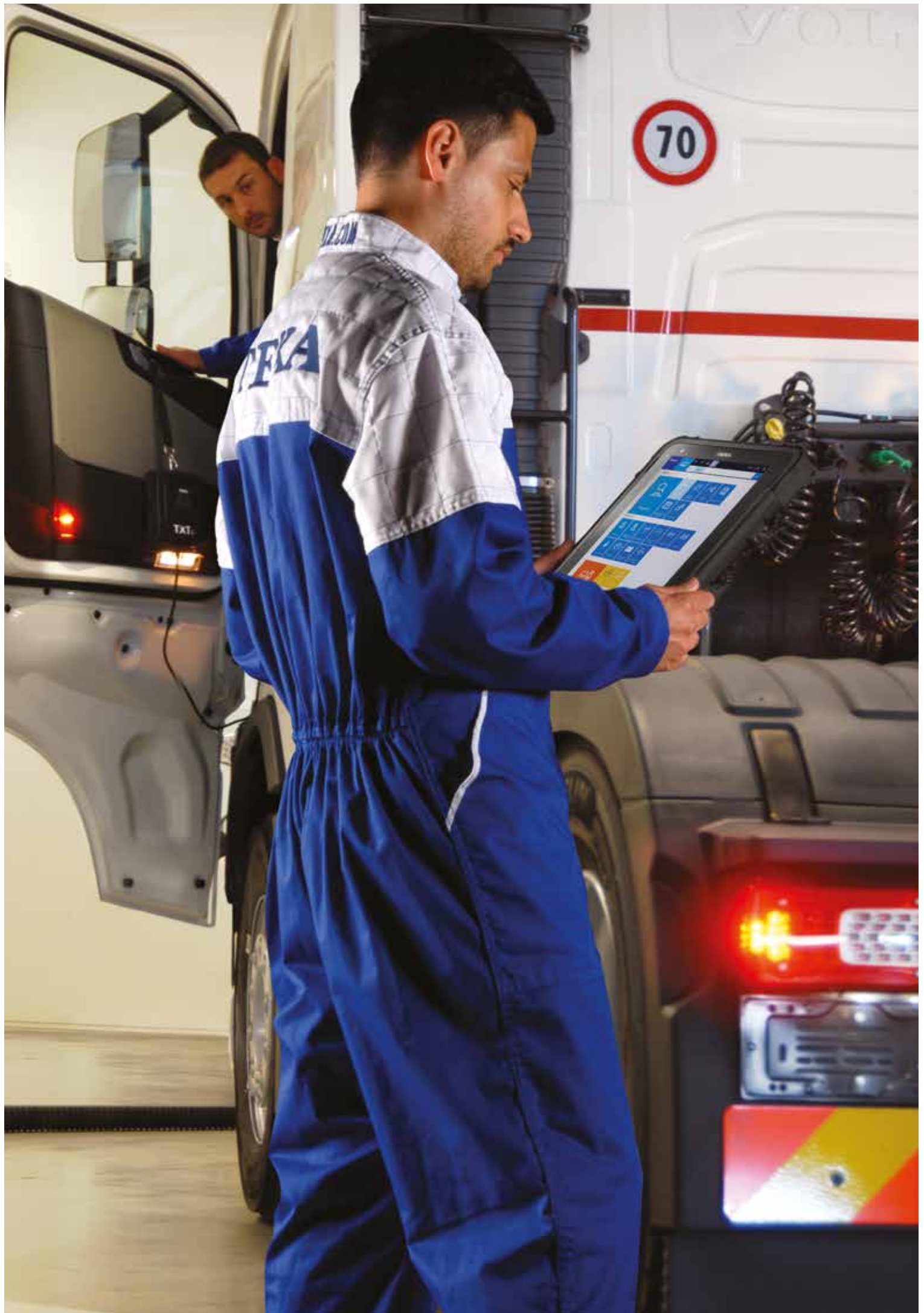


DASHBOARD

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 2 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 Autodiagnosics

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.



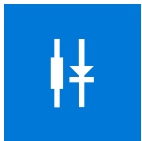
Technical Specifications

An extraordinary database containing details of all vehicles. Users can find detailed and comprehensive information on Mechanical Specifications, Wheel Alignment, Tire 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.



iSupport

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.

Diagnostic solutions

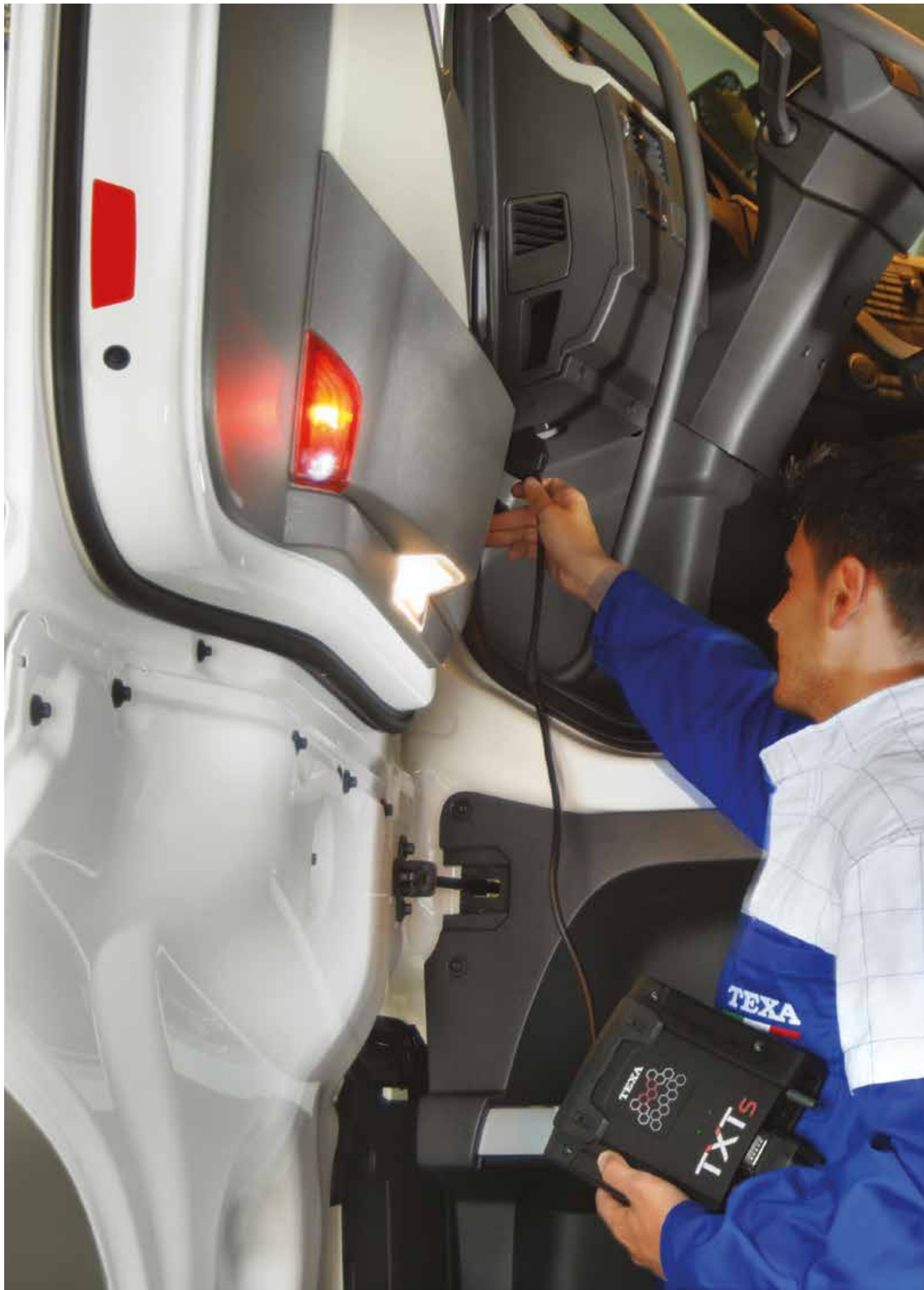
TEXA's diagnostic solutions are based on the powerful **AXONE NEMO 2** display units and on the robust **NAVIGATOR TXTs** vehicle interface. These devices connect and communicate with the vehicle's electronic control units and guarantee levels of speed and performance that are simply unrivalled in the 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 2

AXONE NEMO 2 is the top-of-the-range multi-brand display unit. Being a multi-environment tool, 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**. It has a **12-inch capacitive** screen, with 2160x1440 resolution, protected by Gorilla Glass. Inside, 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. Connectivity is guaranteed by an advanced dual-channel **Wi-Fi** system and a **Bluetooth® 4.2** module. Another distinctive element is the **military standard MIL-STD 810G** (transit drop test), which makes the tool resistant to impacts and falls.







NAVIGATOR TXTs

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

TEXA eTRUCK

TEXA eTRUCK is an innovative miniaturised tool that, for the first time, takes heavy duty truck workshops into a new diagnostic dimension thanks to the possibility to **constantly monitor the status of the vehicle remotely**, to **manage the servicing from a predictive point of view** and, the latest new feature, to **perform adjustment functions** that allow you to restore the vehicle's optimal conditions.

TEXA eTRUCK, which is installed in the vehicle's diagnostic socket* and configured within minutes, acts as a conjunction element between the repairer and the heavy duty vehicle, helping increase customer loyalty thanks to a constant and absolutely competent assistance service.

TEXA eTRUCK represents the ideal solution even for **drivers** and **fleet managers**, as it constantly keeps them updated on the conditions of their vehicles and allows them to carry out actions aimed at reducing costs and optimising the use of the vehicles, thanks to a dedicated app and management portal.

*Deutsch 9 PIN through special adapter for HD American Trucks.



For TEXA workshops

through the Workshop Portal, there is the possibility to increase customer loyalty thanks to a highly professional service, which allows them to:

- Constantly monitor the status of the vehicles remotely and to intervene on the electronic systems as if they were in the workshop;
- Manage the ordinary and extraordinary maintenance in advance;
- Share an appointment planner for the maintenance with the driver and the fleet manager;
- Manage the customer portfolio with a single software program;
- Create a detailed customer profile.



For the drivers

Thanks to an APP* that supplies very useful information while driving the vehicle, it is possible to:

- Read the Tachograph data in real time;
- Monitor your driving style;
- Fill out a Driver's Daily Vehicle Check & Defect Report list as required by the regulations of certain countries;
- Read the vehicle data in real time;
- Have a remote vehicle diagnosis available that helps solving any fault quickly, avoiding having to go to the workshop;
- Consult the service calendar shared with the workshop.

Home page



Monitor the driving style



Read Tachograph data



The fleet manager

Through the Fleet Manager Portal, can:

- Check the entire fleet regarding the status of the vehicles at a maintenance level;
- Assist remotely, through the diagnosis and the solution of possible vehicle faults by the workshop, reducing costs and increasing efficiency;
- Monitor the status of the maintenance of the vehicles and their expirations;
- Share an appointment planner for the maintenance with the workshop;
- Detect each driver's driving style;
- Download the Tachograph data remotely;
- Download remotely, directly from the ECU, the Trip Data Recorder, allowing detailed analyses of the use of the vehicle.



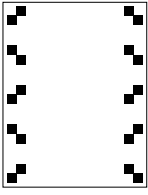
ADAS TRUCK Kit

Some truck and commercial vehicle manufacturers require specific equipment for the proper calibration of driver assistance systems, which include cameras, radars and sensors that govern the Adaptive Cruise Control. TEXA offers an adjustment system that includes a measuring bar, panels divided by make – dedicated to cameras and laser devices – that are essential for the correct alignment and calibration of WABCO, TRW and TRW/Knorr radars.

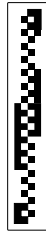
The **ADAS TRUCK Kit** also includes a set of clamps with laser pointer, a laser to adjust the Adaptive Cruise Control and the mirror adapter for WABCO radars. Furthermore, the **IDC5 software** guides the operator step by step in the case of vehicles that carry out the self-calibration through on-road adaptation procedures.



TRUCK calibration panels and accessories



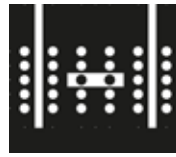
VOLVO/RENAULT TRUCK Euro 6



MAN SCANIA IVECO DAILY 2014



VOLVO EU6, RENAULT TRUCK EU6 (MAN LCV TGE, VW Crafter)



VAG (front)



MERCEDES (front)



KIA/HYUNDAI, FIAT 500X, FIAT DUCATO X290 und JEEP RENEGADE Type 2 (front)



ISUZU



Magnetic graduated scale for checking chassis alignment



Laser for Adaptive Cruise Control



WABCO radar mirror adapter (optional)



Set of clamps with laser pointer



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.





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.



*Indication of the range of values that the working component should measure

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.

KONFORT APP

Thanks to a dedicated APP, KONFORT 760R BUS can interface with Android and iOS mobile devices, allowing technicians to **follow** the vehicle A/C system **service procedures** in progress also remotely, directly from their **smartphone**. Furthermore, the new APP allows managing the performed maintenance services easily, even when the station is turned off.



Simple, quick, smart just a “touch” for recharging

Its more than ten years' leadership in the vehicle A/C service and recharge field has allowed TEXA to obtain the approval and recommendation by the major vehicle manufacturers worldwide. From the same experience, TEXA has given birth to **KONFORT TOUCH**, a range of charging stations characterised by exceptional manufacturing quality, designed for all the A/C service operations on vehicles that use refrigerant **R134a** and **R1234yf**.

In a **simple, quick, smart** way, and with the utmost ease of use.

The KONFORT TOUCH range is:

Simple, because its **10-inch colour touchscreen display**, the Android™ operating system and its main service dashboard allow users to customise the charging operations and start them really easily.

Quick, because the navigation menu enhances the user experience and gathers all the key functions in the main page, allowing users to complete the operations with absolute precision and in just a few steps.

Smart, because its advanced connectivity allows it, for example, to update automatically, receive remote assistance and connect to other devices, such as printers and smartphones. Moreover, it uses a search algorithm that identifies the vehicle in the wide database by simply entering a keyword, therefore avoiding the classic selection of make and model.

*Simple and intuitive
thanks to its wide
touchscreen display*



*Flexibility of use
with the built-in Wi-Fi*



**Even quicker
A/C service**

Four models for every need

The KONFORT TOUCH range includes four models; each of them is rich in exclusive functions and special features, for every operational need.

KONFORT 780 TOUCH BI-GAS (R134a and R1234yf)

The **top of the range**. It allows users to alternate services on vehicles equipped with refrigerants R134a and R123yf, as it has **two tanks** and **two separate circuits for recovery, recycling and recharging**.

The service process is **automated**.

Other distinctive features: **airtight oil bottles**, **scale locking/unlocking** device, refrigerant weight accuracy check system, **automatic cleaning** device for all the hydraulic ducts.

KONFORT 760 TOUCH KONFORT 760 BUS TOUCH (R134a or R1234yf)

Both high-performing, also equipped with **airtight oil bottles**, **fully automatic** service management, scale locking/unlocking device and **refrigerant weight accuracy** check.

Moreover, the **760 BUS TOUCH** version is designed for larger systems and equipped with a larger tank, pump and compressor.

KONFORT 720 TOUCH (R134a or R1234yf)

"Entry level" version in the range, KONFORT 720 TOUCH has **automatic functions** for the refrigerant recovery and recycling and for the oil drain.

Quantities of oil and UV tracer are controlled by an **automatic valve system**. The operator therefore only has a few simple tasks to carry out.

A large display for great results

The KONFORT TOUCH charging stations are equipped with a **10-inch colour multi-touch screen display**, which gives them great usability and allows always having a clear view of the operations to perform. Moreover, the **innovative graphic interface** has been developed to ensure a really intuitive software user experience, making it easier to **quickly read the data** displayed.

Data reading is best supported by the high resolution and 400 nits brightness.

An interesting feature is also the possibility for the operator to choose between a light or dark theme for the background. The display on the KONFORT TOUCH stations features the **glove-touch technology**, which ensures perfect use while wearing different types of work gloves.



**10-inch colour
industrial touchscreen display**

**Glove-touch
technology**

**Quick data
reading**

**Intuitive
graphic interface**



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 3, 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.



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 3 and GAS MOBILE

The MULTI PEGASO 3 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 and RC2

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).



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.





P5T: USE OF TEXA SOFTWARE AND DIAGNOSIS FOR TRUCKS

AIM: Know all the functions available in TEXA's IDC5 diagnostic software and their practical application, to carry out electronic diagnoses on industrial 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 and Special code. Practical examples of diagnoses on the vehicle will be analysed during the course.

DURATION: 4 hours (available also on-line)



D9T: DIAGNOSIS AND CALIBRATION OF THE DRIVER ASSISTANCE SYSTEMS - ADAS TRUCK

AIM: Know the technical features and operating modes of the Advanced Driver Assistance Systems such as the Lane departure warning, Adaptive cruise control, Blind spot detection. Learn the position and function of the technologies involved: radars, multifunction cameras, sensors and actuators, infrared cameras, ultrasonic sensors. Practical examples of static and dynamic calibrations using the Haweka calibration rig, and diagnosis. Be able to carry out the diagnostic and fault search procedures using the diagnostic tool; know how to interpret the errors, parameters, statuses, activations and adjustments pages.

DURATION: 6 hours (available also on-line)



G20T: ADVANCED EBS PROGRAMMING FOR TRAILERS

AIM: Learn the operating logic and structure of the different electronically controlled braking systems for towed vehicles. Learn how to work on different systems such as WABCO EBS, KNORR-Bremse EBS and HALDEX EBS; acquire the know-how to diagnose the most common faults and eliminate their causes by following adequate repair procedures. During the course you will learn the structure of an EBS system, the electronic brake limiter, the main components, the EBS modulator, the EBS and ABS relay valves, the configurations and adjustments using the self-diagnostic tool. You will also learn the configuration transfer, and all the risks the operator can encounter while using the adjustment functions available in self-diagnosis.

DURATION: 8 hours (available also on-line)



G21T: SELECTIVE CATALYTIC REDUCTION SCR/ADBLUE®

AIM: Learn the functioning of SCR systems on Euro 4, Euro 5 and Euro 6 vehicles, their reference regulations and technical limitations; the different types of systems on the market adopted by vehicle manufacturers; diagnoses and adjustments specific for each make, with explanations of the parameters and tests involved. During the course, the AdBlue® top-up procedure will be performed and practical examples of diagnoses on the vehicle will be analysed.

DURATION: 8 hours (available also on-line)



G22T: DIAGNOSIS OF CNG AND LNG-POWERED SYSTEMS AND PROCEDURES TO OPERATE SAFELY

AIM: Learn the behaviour of CNG and LNG natural gas, their transport, supply and storage modes; know how tanks are made and work, and the types of connectors. Know the safety regulations and operating provisions issued by the LNG and CNG system manufacturers; know the Italian Electrotechnical Committee (CEI) standard 31-35/A on vehicle repair areas and its practical application when writing the workshop's risk assessment document. Be able to carry out the diagnosis of the LNG system control unit in SCANIA, IVECO and VOLVO vehicles. Practical examples of diagnoses on the vehicle will be analysed during the course.

DURATION: 8 hours (available also on-line)



S10T: DIAGNOSIS OF EURO 6 - IVECO AFTER-TREATMENT SYSTEMS

AIM: Know the technologies used by the manufacturer IVECO in its engines to respect the Euro 6 emission standard, the best methods for diagnosing malfunctions that may occur, as well as all the diagnostic functions available in TEXA's software for reading errors and checking the operating parameters; the adaptation, calibration and service procedures for the devices on the engines of this series.

DURATION: 6 hours (available also on-line)

Unrivalled coverage

IDC5
COVERAGE
UPDATE

TRUCK

AGRALE
ASTRA
AUTOCAR
BEIFANG BENCHI
CARMICHAEL
CATERPILLAR
CHEVROLET
DAEWOO AVIA
DAF
DAF (LATAM)
DENNIS EAGLE
DODGE
DONGFENG
E-ONE
ERF
FAW
FODEN
FORD
FORD
FOTON
FREIGHTLINER
GAZ
GMC
HINO
HYUNDAI
INTERNATIONAL
ISUZU
ISUZU (North America)
IVECO
IVECO (LATAM)
IVECO DVD
JAC
KAMAZ
KENWORTH
KRAZ
MACK
MAN
MAN (LATAM)
MAZ
MERCEDES-BENZ
MERCEDES-BENZ
(LATAM / ASIA PACIFIC)
MITSUBISHI FUSO
NISSAN (EUROPEAN
MARKET)
OSHKOSH
PETERBILT
RENAULT TRUCKS
RENAULT TRUCKS (LATAM)
SCANIA
SCANIA (LATAM)
SHAANXI
SHACMAN
SINOTRUCK
STERLING
TATA DAEWOO
TATRA
TERBERG
UD TRUCKS (NISSAN
DIESEL)
VOLKSWAGEN TRUCKS
VOLVO TRUCKS
VOLVO TRUCKS (LATAM)
WESTERN STAR

LIGHT COMMERCIAL VEHICLES

AGRALE
CHEVROLET
CITROEN

DACIA
DAIHATSU
DFSK
DODGE
FIAT
FORD
GAZ
GMC
GREAT WALL
HAFEI
HYUNDAI
ISUZU
IVECO
KIA
LAND ROVER
LDV
MAHINDRA
MAN
MAZDA
MERCEDES-BENZ
MERCEDES-BENZ
(LATAM / ASIA PACIFIC)
MITSUBISHI
NISSAN
OPEL
PEUGEOT
PIAGGIO
RENAULT
SEAT
SKODA
SOLLERS FIAT
SSANGYONG
SUZUKI
TATA
TOYOTA
VICTORIA GIOTTI
VOLKSWAGEN

BUS

AGRALE
ALEXANDER DENNIS
ALLEGRO
AMZ
ANKAI
AUTODROMO
AUTOSAN
AYATS
BARBI
BCI
BEIFANG BENCHI
BEULAS
BLUE BIRD
BMC
BREDAMENARINI
CACCIAMALI
CAIO
CASTROSUA
COBUS
COMIL
CREDO
CROBUS
DAEWOO BUS
DALLA VIA
DE SIMON
FAST
GOLDEN DRAGON
GULERYUZ
HEULIEZ BUS
HIGER
HINO

HYUNDAI
IKARUS
INDCAR
IRISBUS
IRIZAR - Carrozzeria + Altri
Telai
IRIZAR - Integral
ISUZU
IVECO (LATAM)
IVECO BUS
KAMAZ
KARSAN
KING LONG
LEXEA
LIAZ
MAN
MARCOPOLO
MAZ (BUS)
MCI
MCV
MERCEDES-BENZ
(EVOBUS)
MERCEDES-BENZ
(LATAM / ASIA PACIFIC)
MERKAVIM
MITSUBISHI FUSO
NEFAZ
NEOPLAN
NOGE
OPTARE
OTOKAR
PAZ
RAMPINI
RENAULT BUS
SCANIA
SCANIA (LATAM)
SETRA
SHENLONG
SILEO
SITCAR
SOLARIS
SOLBUS
SOR
SUNSUNDEGUI
TAM-EUROPE (TVM-
MARBUS)
TATA HISPANO
TCV
TEMSA
TOYOTA
TOYOTA CAETANO
URSUS
VAN HOOL
VDL BERKHOF
VDL BOVA
VDL Bus & Coach
VDL BUS CHASSIS
VDL JONCKHEERE
VISEON BUS
VOLARE
VOLGABUS
VOLKSWAGEN BUS
VOLVO BUS
VOLZHANIN
WRIGHT BUS
YUTONG

TRAILER AND SEMI-TRAILERS

BENDIX
BPW
CARRIER TRANSICOLD
HALDEX
KNORR - BREMSE
MERITOR - WABCO
THERMO KING
WABASH
WABCO

POWERTRAIN

ALLISON
BENDIX
BOSCH
CATERPILLAR
CUMMINS
DETROIT - MBE
DEUTZ
EATON
EBERSPACHER
FPT
INTERNATIONAL
ISUZU
KNORR - BREMSE
MERCEDES-BENZ
MTU
MWM
PACCAR
SCANIA
VM MOTORI
VOITH
WABCO
WEBASTO-SPHEROS
YUCHAI
ZF

SMALL UTILITY TRUCK

AEBI
BREMACH
BSI VEICOLI
BUCHER-SCHÖRLING
CMAR
DULEVO
EFFEDI
FRESIA-METROCAB
HOLDER
JOHNSTON
LADOG
MULTICAR
O.ZETA CLES
PIAGGIO
RAVO
REFORM
SCARAB
SCHMIDT



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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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