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: 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.
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.

The new “Interactive Wiring Diagrams” function lets you view wiring diagrams using animations of a system’s devices and an interactive map generated to show signal flows to and from the control units. Another new function allows you to 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.

Vehicle search

This function makes finding the vehicle you are working on easier and more accurate than ever. In addition to the classic selection process based on make, model, engine number and year of manufacture, the function now offers two new search modes: MANUAL and AUTOMATIC.

MANUAL

By registration number: This function lets you search for a vehicle in the customer management database. You can select a vehicle from those available in IDC5 and access the functions available for it, simply by entering its registration number.

By VIN: Using this method, you correctly identify the vehicle by entering its frame number (VIN) manually. As soon as you key in the 17 characters of the VIN and start the search, IDC5 lists the vehicle or vehicles available for selection.

NOTE: This function is currently available for BMW, HARLEY-DAVIDSON and MV AGUSTA.

AUTOMATIC

Identify and select the right vehicle in just a few clicks. All you have to do is click on the function button, located near the manufacturer, then connect the diagnostic tool to the vehicle. After scanning the various ECUs, IDC5 automatically selects the right vehicle.

NOTE: This function is currently available for BMW, HARLEY-DAVIDSON and KTM.

Rapid Diagnosis

Vehicle systems can be accurately diagnosed and the right model selected in just a few clicks. Simply click on the desired function button, located near the brand, then connect the diagnostic tool to the vehicle. The software accesses the injection system directly or runs a scan and lists all the systems available for diagnosis. This function is currently available for a number of makes, including Honda and Suzuki.

Nominal Values

This function provides practical datasheets listing reference values for each individual electronic component involved in autodiagnosis, as well as solutions to possible problems. This information can be consulted directly even during autodiagnosis, simply by clicking on the DOCUMENTATION icon. To make searches easier and more intuitive, data is arranged by system and specific device or by error code.
Using this function, technicians can carry out repairs rapidly by applying the correct procedure and 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.

**Global Scan**

In addition to extremely thorough diagnostics, TEXA also offers customers a number of special functions. These include Global Scan, which scans the entire vehicle for ECUs, reads their contents and detects any recorded errors. Global Scan is currently available for the following makes: DUCATI, BMW, HARLEY DAVIDSON, SEA-DOO, CAN AM, SKI-DOO, LYNX, MV AGUSTA, HONDA.

**Special Functions**

This section provides special functions applicable to the selected vehicle, such as the CIP function for BMW (changing display settings, activating heated grips, etc.) and special settings for Harley Davidson (idle setting, activating/deactivating Active Exhaust Control).

**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.

**BIKE CABLE APP**

This free App provides useful help on the availability and use of diagnostic cables, for which no standard yet exists. The app consists of four sections that provide access to a list of all the cables used by the software, a list of the cables used by each manufacturer, a list with descriptions of catalogue cable cases and information on the adapters required for use with tools compatible with other environments.
Support for Autodiagnostics

Technical 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.

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 besides.

Interactive wiring diagrams*
Interactive Wiring Diagrams let you perform more detailed fault finding by interacting with the various components shown in them. You can select specific components to identify their cables and their electrical and logical connections to other components on the wiring diagram. Another function lets you see the direction of signals, showing whether they are inputs to or outputs from the control unit. You can also see the correlation between ECU pins and device pins and use interactive links between pages to view associated data sheets and connections.

* Present only in part of the wiring diagrams. Increasing with the various updates.
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 6.000 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 5 and AXONE Nemo display units and on the robust Navigator NANO S and NAVIGATOR TXB Evolution interfaces. These devices interconnect via Bluetooth and communicate with the vehicle’s electronic control units. They 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 5

AXONE 5 is the complete, easy-to-use tool for all the diagnostic operations in the CAR and BIKE environments. It has a 9.7 inch capacitive touch screen with a resolution of 2048x1536 pixels and a 5-megapixel camera with flash and autofocus. Inside, a quad-core ARM® Cortex® A9 processor provides the tool with high computing power. Thanks to the software IDC5a PLUS, AXONE 5 is quick and intuitive, the ideal solution for those who wish to have the utmost diagnosis available on the market with a limited investment.
AXONE Nemo

The AXONE Nemo is designed to ensure optimal usage both in the harsh workshop environment and when operating outdoors. Extremely robust and resistant to hard shocks, it allows technicians to carry out diagnostic operations at remarkably high speed. It is equipped with exceptional features: 12-inch capacitive screen with 2160x1440 resolution, Intel® Quad Core processor N3160, 8 GB RAM and 250 GB storage capacity, dual-channel Wi-Fi, Bluetooth® 4.0 Low Energy and two 5-megapixel cameras. The IDC5 operating software enhances its technical features also through the touch gesture that allows reaching the desired functions in no time. The interchangeable magnetic modules (USB 3.0, Thermographic, Ethernet Broad R/DoIP LAN) extend the measurement and control resources of AXONE Nemo as well as its potential, to ensure its prepared for the future.*

NAVIGATOR TXB Evolution

The NAVIGATOR TXB Evolution is a latest-generation interface, a state-of-the-art tool especially developed for the motorcycle environment. It is an evolution of its predecessor the NAVIGATOR TXBs but is faster and more powerful despite being more compact in size. Its hardware features make it compatible with all current protocols and its integrated 16-pin CPC connector allows the use of all the BIKE diagnostic cables. Other than the “classic” diagnosis, it also allows recording the diagnostic session while moving**.

* Impermeability and floatability are features that are available purchasing the special “AXONE Nemo Waterproof” version.

** For the diagnostic tests while moving, carefully read and follow the prescriptions you find at: www.texa.com/test-drive. TEXA S.p.A. is not liable for any damage resulting from an improper and non-compliant use of the indications, the sequences and the phases indicated in the page mentioned above, in the guide and in the product’s user manual.
More and more bikes come as standard or can be fitted with a tyre pressure monitoring system, which is a major contribution to safety. Using its experience in the world of car systems, TEXA has developed a special solution for the diagnosis of TPMS systems on motorcycles.
TPS

The TPS communicates with the valve sensors on each wheel, which activates them if they are in standby and verifies their efficiency. The tool’s 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. TPS lets you check the efficiency of tyre pressure sensors so that you can change them if necessary. TPS can be used to activate sensors when they are being initialised with IDC5 software.

TPS2

The TPS2 is specially designed and made for complete, professional use with vehicle TPMS systems. Its most noticeable characteristics include robustness, speed and user-friendliness. To obtain an immediate reading of a tyre pressure sensor, all you need to do is place the tool near the tyre. The 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 also allows users to configure and connect to a network for downloading software updates and managing additional functionalities. The TPS2 comes with Dual Mode Bluetooth for quick communication with the TEXA interface connected to the vehicle and with a printer. This advanced connectivity also allows the TPS2 to communicate with the latest low energy TPMS sensors. A powerful, 5 megapixel camera at the rear allows saving images to attach to customer reports.

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 and AXONE 5.
Electrical diagnostics

In many cases, autodiagnoses 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 ± 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.
TTC

The TTC is a special tool for checking the tension of engine cam belts, developed to Ducati’s own specifications. The TTC measures belt tension by means of a highly sensitive microphone that allows the belt’s resonant frequency to be analysed. It requires no cables and is self-powered by rechargeable batteries (battery charger supplied). The TTC does not need to be connected to any other tool as it displays results directly on its screen. Compact and lightweight, the TTC combines advanced technology with a uniquely convenient and practical design that lets you check and adjust cam belt tension accurately and professionally.

ENGINEERED TO

DUCATI
SPECIFICATIONS

ALSO FOR DRIVE BELT
YAMAHA TMAX 530
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, CS9000, GAS Mobile, MULTI PEGASO 3, RC2, RC3, RCM.
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.
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.

**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.

**CS9000**

CS9000 is TEXA’s special exhaust gas analysis solution for bikes, scooters and quads, designed for use in conjunction with GASBOX Autopower. Four separate probes let you analyse emissions even from multiple exhaust systems. The CS9000 handles all aspects of exhaust gas analysis and fuel injection calibration in a professional manner that ensures maximum performance even in racing applications. The CS9000 is equipped with a fume extraction port for connection to workshop extraction systems.
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, 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.
**D1B**
BIKE diagnosis, resetting and configuration techniques

Know the diagnostic procedure applied to motorcycles and the most important codings that can be carried out with the diagnostic tool. Know how to establish communication between the tool and the electronic control units and the evolution of the diagnostic techniques: Blink Code diagnosis, Slow Code diagnosis, serial diagnosis. Know how to read the parameters, statuses, ECU Info, activations and adjustments and to carry out the analysis of the exhaust gases and the related diagnosis. Practical examples on Suzuki, Ducati, Buell and Piaggio.

**G1B**
Analysing a bike's electrical and electronic measurements

This course teaches technicians how to understand voltage, current and resistance measurements taken on a modern motorcycle using the multimeter and oscilloscope. Participants also learn how to use an oscilloscope to analyse the modulation characteristics of an alternating signal. The course examines the characteristics of all the main electrical and electronic components and teaches participants how to use measuring instruments to check them.

**G2B**
Euro 3 and Euro 4 electronic injection systems

This course gives participants the know-how and skills needed to diagnose Euro 3 and Euro 4 electronic injection systems on the basis of parameters obtained using the diagnostic tool. It also illustrates the basic strategies for determining injection timing and the different types of mapping.

**G3B**
Diagnosing and measuring digital CAN networks

This course gives technicians the know-how and skills needed to analyse and diagnose the digital communication systems found on modern motorcycles. It also describes the methods for checking and repairing CAN communication networks.

**G4B**
Diagnosis of ABS, Tyre pressure and Traction control systems

The course aims at teaching trainees how the main ABS in the market work. To learn the mechanical maintenance procedures and the electronic diagnosis procedures using TEXA tools.

Verify the availability of courses in your own country.
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.