Over the years, TEXA has acquired an enviable reputation for the quality and reliability of its products and has signed important agreements with leading motorcycle brands like Ducati, MV Agusta, Benelli, Keeway, and Sym Italy. No other manufacturer of bike diagnostic tools partners so many prestigious motorcycle constructors.
THE WORLDWIDE DIAGNOSTICS SPECIALISTS

For twenty years now TEXA has been synonymous with automotive diagnostics all over world, with products covering electronic and electrical diagnostics, exhaust gas emissions control and vehicle air-conditioning diagnostics and recharging. TEXA has progressively developed an extraordinary worldwide network, with around 700 distributors operating in almost 100 countries.

COMPLETE AND MODULAR OFFERING
TEXA offers automotive technicians complete support during all stages of vehicle repairs: from analysis of fault symptoms, to identification of the right spare part. TEXA guarantees an unrivalled offering of tools and services that meet all customer requirements:

- **Autodiagnoses tools, on-board diagnostics, electrical diagnostics, emissions diagnostics, air-conditioning system diagnostics and maintenance.**
- **Operating software that’s always updated with vast databases of diagnostics, technical and service information.**
- **Specialist training through courses for automotive technicians and students of professional and technical training institutes.**
- **Customer service through call centers, online repair support and an extensive database of solutions.**

Just one display tool can be used to manage all types of diagnostics operations, on-board diagnostics, electrical diagnostics, emissions diagnostics and air-conditioning diagnostics. That’s not all: with the introduction of “Apps”, additional services can be made available for immediate access to exclusive functions, ensuring a unique vehicle servicing experience.
Diagnostics solutions

A highly efficient professional partner, an essential workmate.
TEXA provides diagnostics solutions for five different sectors: CAR, TRUCK, BIKE, OFF-HIGHWAY (AGRI and CONSTRUCTION) and MARINE, and within each of these offers unrivalled coverage of makes and models, ranging from European to Asian and US vehicles, managed by a worldwide development team.

TEXA’s brand new motorcycle diagnostic software, IDC4 BIKE, already excels for its vast coverage of makes and models. TEXA is also committed to the continuous development of new diagnostic systems on the basis of feedback from motorcycle repair workshops. IDC4 BIKE offers bike mechanics a full range of diagnostic resources as well as a database of interactive electrical wiring diagrams, system data sheets, detailed component data sheets and technical bulletins. IDC4 software combined with “SOLVED PROBLEMS” function powered by Google lets you carry out repairs rapidly and according to the correct procedure. TEXA’s troubleshooting database contains solutions found by mechanics all over the world and collected by TEXA’s international call centres. Access to it is both quick and easy.

**IDC4 VEHICLE COVERAGE**

**BIKES**

<table>
<thead>
<tr>
<th>Aprilia</th>
<th>Benelli</th>
<th>BMW</th>
<th>Boom Trike</th>
<th>Buell</th>
<th>Cagiva</th>
<th>Daelim Motor</th>
<th>Ducati</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Gas</td>
<td>GG Technik</td>
<td>Harley-Davidson</td>
<td>Honda</td>
<td>Honda Montesa</td>
<td>Husaberg</td>
<td>Hyosung</td>
<td>Kasinski</td>
</tr>
<tr>
<td>Kawasaki</td>
<td>Keeway</td>
<td>KTM</td>
<td>KYMCO</td>
<td>Laverda</td>
<td>Mondial</td>
<td>Moto Guzzi</td>
<td>Moto Morini</td>
</tr>
<tr>
<td>MV Agusta</td>
<td>Royal Enfield</td>
<td>Sherco</td>
<td>Suzuki</td>
<td>SYM</td>
<td>Triumph</td>
<td>Voxan</td>
<td>Yamaha</td>
</tr>
</tbody>
</table>

**Scooters**

<table>
<thead>
<tr>
<th>Adiva</th>
<th>Aprilia</th>
<th>BMW</th>
<th>Daelim Motor</th>
<th>Derbi</th>
<th>Gilera</th>
<th>Honda</th>
<th>Hyosung</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kawasaki</td>
<td>Keeway</td>
<td>KYMCO</td>
<td>Malaguti</td>
<td>Peugeot</td>
<td>Piaggio</td>
<td>Suzuki</td>
<td>SYM</td>
</tr>
<tr>
<td>TGB</td>
<td>Vespa</td>
<td>Yamaha</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ATV - QUAD**

<table>
<thead>
<tr>
<th>Arctic Cat</th>
<th>Can-Am (BRP)</th>
<th>Gas Gas</th>
<th>GG Technik</th>
<th>Honda</th>
<th>Kawasaki</th>
<th>KVN Motors</th>
<th>Polaris</th>
</tr>
</thead>
</table>

**Jet Skis**

<table>
<thead>
<tr>
<th>Honda Marine</th>
<th>Kawasaki Marine</th>
<th>Sea-Doo (BRP)</th>
<th>Yamaha Marine</th>
</tr>
</thead>
</table>

**Snowmobiles**

<table>
<thead>
<tr>
<th>Arctic Cat</th>
<th>Ski-Doo (BRP)</th>
</tr>
</thead>
</table>

**Utility Vehicles**

<table>
<thead>
<tr>
<th>Honda</th>
<th>Piaggio V.C.</th>
<th>Polaris Ranger</th>
</tr>
</thead>
</table>

**Pumps**

<table>
<thead>
<tr>
<th>Rosenbauer</th>
</tr>
</thead>
</table>

**Minicar**

| GrecaV |
The App concept

Electronics are becoming increasingly common on modern vehicles, spreading to components that not so long ago were simply mechanical. This has created a situation in which new requirements arise due to diversification of the services offered by automotive technicians and the evolution of customer vehicle fleets.

As a consequence, automotive technicians need to carry out a much vaster range of procedures, making it harder to choose the best diagnostics tools and subscription services for their workshop. To meet these new requirements, TEXA not only provides traditional subscriptions and upgrade options, but also an innovative diagnostic “App” concept, inspired by the world of consumer electronics.

From the IDC4 main menu, customers can now access the TEXA APP, offering a list of Apps available: functions that are not available for the customer’s profile are identified by a darker icon. To order any of these Apps, customers can simply click the icon, opening a simple and user-friendly procedure to order the App from the reseller and install it on their tool.
As well as functions available on payment, free applications will also be provided, either by TEXA directly or its partners. TEXA has introduced this new concept as a way of offering automotive technicians the possibility to develop a modular tool that reflects their professional development, implementing new functions and upgrades at any time.

Apps available starting from the next IDC4 software versions (for AXONE 4 and for PC) and IDC4 POCKET.

<table>
<thead>
<tr>
<th>App</th>
<th>Description</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>D4 - OSCILLOSCOPE DIAGNOSTICS TECHNIQUES</td>
<td>NOT INSTALLED</td>
<td></td>
</tr>
<tr>
<td>DASHBOARD MODE</td>
<td>NOT INSTALLED</td>
<td></td>
</tr>
<tr>
<td>License Plus TRUCK</td>
<td>INSTALLED</td>
<td></td>
</tr>
<tr>
<td>License Light BIKE</td>
<td>INSTALLED</td>
<td></td>
</tr>
<tr>
<td>License Plus BIKE</td>
<td>NOT INSTALLED</td>
<td></td>
</tr>
</tbody>
</table>

Extend your tool’s coverage by installing IDC4 PLUS BIKE, providing diagnostics for over 70 different makes, in the following categories: motorcycles, scooters, quads, jet skis, snowmobiles, utility vehicles, engine pumps and minicars. To purchase this application, click the button below to send a purchase request to the reseller.
Total coverage, extraordinary functions

- Alarm
- Service system
- Ignition
- Injection
- Throttle bodies adjustment
- Injection adjustment
- BBS
- BMS
- CIP – Configurazioni Speciali
- Electronic key
- Hands Free
- Immobilizer
- CAN line
- Global error search
- and many other...

- Errors
- Parameter
- Status
- Settings
- Self-diagnosis help
- Wiring diagrams
- Recording of the diagnosis session (Rec & Play)
- Component location
- Global SCAN
- ECU Info
- Tools and utility programs
- Printouts
- Database and log of customers/works
- Spare parts management
- and many other...
“SOLVED PROBLEMS” powered by Google*

This extraordinary function on IDC4 allows automotive technicians, via an internet connection and exploiting Google search technology, to access the TEXA troubleshooting database, containing solutions found by technicians all over the world and collected by TEXA’s international call centres. The procedure is very simple and intuitive: once having selected the vehicle being serviced, the technician can send a request by typing in a description of the problem, then receiving the solution in just a few seconds.

* Optional

Exclusive functions to AXONE 4 and IDC4 PREMIUM

Exclusive to AXONE 4, the software comes with important new features that provide concrete support for the everyday work of automotive technicians. IDC4 PREMIUM has updated and very user-friendly graphics, with the menu divided into four scrolling screens for direct access (Diagnostics, Measurements, Data, Settings).

Using the “Remote Assistance” function, when needed TEXA personnel can establish a remote connection to the tool and see exactly what is happening with the customer’s vehicle.
**Special IDC4 configurations**

In addition to extremely thorough diagnostics, TEXA also offers customers a number of special functions and configurations. These include **Global Scan**, which scans the entire vehicle for ECUs, reads their contents and detects any recorded errors. Global Scan currently covers the Ducati, BMW and Harley Davidson brands.

TEXA has also introduced **CIP functions** for BMW to activate heated grips, and to change display settings, with special reference to:

- ECU date and time;
- clock format;
- selection of kilometres or miles;
- selection of temperature in °C or °F;
- fuel tank float calibration.
Summary of display settings

Harley Davidson PARAMETER functions

Durati Global Scan
TEXA's NAVIGATOR TXB is the diagnostic interface adopted by some of the world's largest vehicle manufacturers. NAVIGATOR TXB lets you perform a wide range of operations such as reading parameter settings and other information from electronic control units, checking states, resetting warning lights, finding and deleting errors, calibrating fuel systems, programming keys and more besides.

NAVIGATOR TXB connects directly to the diagnostic socket and, thanks to Bluetooth wireless technology, dialogues with your workshop's Windows PC without cables. NAVIGATOR TXB can also be connected to the USB port of PCs without a Bluetooth connection. NAVIGATOR TXB communicates with all the tools in the AXONE range.

In conjunction with IDC4 BIKE, NAVIGATOR TXB currently represents the most reliable, effective and complete solution on the market.
AXONE Direct is a practical and robust “all-in-one” tool that works via a direct cable connection to the diagnostic socket. It comprises all the typical features of a cable-connected diagnostics tool and the extensive functionality of a modern handheld touchscreen device, with the addition of just four selection buttons. The built-in battery ensures the operator complete freedom of movement for a full day’s work.

AXONE Direct carries out all autodiagnostics tests and can communicate via Bluetooth with all TEXA tools. The versatility of this tool means the Bluetooth connection can be used for working without the restriction of cables and, when fitted with a vehicle interface such as NAVIGATOR TXB, can be used as a portable display and processing unit.
AXONE Smart is an “all-in-one” autodiagnostics tool incorporating the latest technology that connects directly to the vehicle’s diagnostic socket. Its robust case is perfect for workshop use, being able to withstand falls, dust and any other problems that occur in the workshop every day. Another important feature is its high visibility touchscreen. Its powerful memory makes connecting to the vehicles’ electronic control units considerably faster. AXONE Smart is the ideal choice for automotive technicians who do not need remote connectivity to other TEXA tools, but who do not want to do without the other exceptional features and diagnostics functions that have made the AXONE range famous.
AXONE 4 is TEXA’s most advanced display unit with a mobile, touch-screen interface and exceptional specifications: Intel Atom processor, 32 GB solid state HDU, 9.7” TFT-LCD display with 1024x768 resolution, and VGA camera with CMOS sensor. AXONE 4 is also impact and fall resistant, waterproof and dustproof. It can connect to your workshop’s network over a Wi-Fi link to download the latest database updates, or use a smartphone to connect to the internet if you are away from the workshop. AXONE 4 even has a remote assistance function to allow TEXA’s experts to connect remotely and see exactly what is happening. A DUAL CONTROL function lets you connect temporarily to two different interfaces, so that you can run autodiagnostics on one component while monitoring the signal of another on the oscilloscope, for example.

AXONE 4 communicates with all TEXA diagnostic interfaces via Bluetooth. When used in conjunction with Navigator nano, it represents the ideal solution for workshops seeking complete and detailed diagnostics from a top of the range system. Navigator nano’s ultra-compact dimensions allow it to be used where larger tools would be impractical, and its wireless connectivity lets you move up to 30 metres away from the vehicle being diagnosed. Navigator Nano can connect to AXONE Direct and AXONE 4 via Bluetooth. Navigator nano cannot be connected to a PC.
TTC is a special tool for checking the tension of engine cam belts, developed to Ducati’s own specifications. 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). TTC does not need to be connected to any other tool as it displays results directly on its own screen. Compact and lightweight, TTC combines advanced technology with a uniquely convenient and practical design that lets you check and adjust cam belt tension accurately and professionally.
TwinProbe is the TEXA tool for acquiring the analogue and digital measurements needed for all conventional diagnostic testing. It comes at a lower price than UNIProbe, its “big brother”, however both share in common outstanding practicality and precision for all automotive service operations. It communicates with all TEXA display units or a Windows PC, either via a USB connection or over a Bluetooth wireless link. The tool can be managed by the IDC4 operating software, or MSS (Measurement System Software) when used on a PC.

TwinProbe includes:

- Oscilloscope: two independent analogue channels, with inputs up to ±200V, complete with SIV function for interpreting the measured signal.
- Signal generator: for simulating the pulses generated by sensors and the commands generated by control units and for testing solenoid valves, for example.
- Ammeter: for measuring electric current intensity. A BICOR clamp-on ammeter is needed to allow TwinProbe to run these tests.
UNIProbe is a device for acquiring the analogue and digital measurements needed for all conventional diagnostic testing. It communicates with all TEXA display units or a Windows PC, either via a USB connection or over a Bluetooth wireless link. An internal lithium battery guarantees excellent autonomy. The tool can be managed by the IDC4 operating software, or MSS (Measurement System Software) when used on a PC.

Incorporates six different tools in the one unit:

- Oscilloscope: four independent analogue channels, complete with SIV function for interpreting the measured signal.
- Battery Probe: for testing the battery, as well as analysing and checking the entire starting and charging system.
- TNET: for 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 for testing solenoid valves, for example.
- Multimeter: for voltage, resistance and current measurements (using a clamp-on ammeter).
- Pressure tester: for checking fuel supply and turbocharger pressure on all vehicles.
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.
GASBOX Autopower is TEXA’s exhaust gas analyser for petrol engines, and comes with a practical trolley for easy movement around the workshop.

GASBOX Autopower can be plugged into any standard mains power socket or powered by Power Pack, with a practical battery unit that can be removed and recharged separately. This clever solution means that you can always have one or more batteries charged and ready for use.

Used in conjunction with Power Pack and a Bluetooth wireless data communications link, GASBOX Autopower can analyse exhaust gases without any cables trailing around the workshop, either to the display unit or to the mains power socket.

Intuitive and user-friendly ETS gas analysis software guides you through the correct test procedure. GASBOX Autopower is also supported by IDC4 software, and can be used with any standard Windows PC.

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. CS9000 handles all aspects of exhaust gas analysis and fuel injection calibration in a professional manner that ensures maximum performance even in racing applications.

CS9000 is equipped with a fume extraction port for connection to workshop extraction systems.

CS9000 incorporates a special solenoid valve that the control software uses to clean the probes and ensure maximum accuracy and durability.
TEXAEDU BIKE program

Work on the electronic systems that manage modern vehicles not only requires knowledge of the underlying principles, but also in-depth and specialist training. This is why alongside its vast range of products, TEXA also offers automotive technicians specific training through a network of Training Centres located at its sales outlets throughout Italy. The TEXAEDU training program is divided into modules, so that each workshop can choose the specific course that best suits its needs. The possibility to use diagnostics tools in the classroom and in specially-equipped areas to run practical tests both directly on vehicles and using electronic simulators, ensures seamless integration between the theoretical and practical sessions, as well as faster and more effective learning.

D1B - BIKE DIAGNOSIS TECHNIQUES

DURATION: 8h


D4 - OSCILLOSCOPE DIAGNOSTICS TECHNIQUES

DURATION: 8h

Illustration of the functions available on the oscilloscope and how to read analogue and digital signals, such as peak-to-peak, frequency, PWM and T-NET mode for CAN Bus lines. The course mainly involves practical sessions, with case studies such as: analysis of earth and power supply potential, checking DFM signal from alternators, analysis of lambda signals, digital air mass meter, RPM and phase sensor synchronicity. The final part of the course examines some useful notions for checking digital signals on CAN Bus networks, thanks to the easy-to-use T-NET tool.

G1 - ELECTRICAL AND ELECTRONIC SYSTEMS

DURATION: 12h

Techniques of measurement and control of electrical and electronic systems of the vehicle. Analysis of the electrical and electronic components and logical structure of the main circuits. Checks and measures with practical theoretical insights through the use of oscilloscope and Self-diagnosis programme. Interpretation signals symbolism of the components in the wiring diagram present in the operating IDC4. Introduction to digital systems and lines CAN Bus.

Check course availability in your country.
TEXA was established in 1992 in Italy at Monastier di Treviso, and today is a European leader in the design and production of multibrand diagnostics tools, exhaust gas analysers and air-conditioning maintenance stations. TEXA has operations virtually all over the world, through an extensive distribution network, while in Spain, France, Great Britain, Germany, the United States, Poland, Russia and Japan, it markets its products directly through its own branches.

TEXA now employs some 450 people around the world, including around 100 engineers and specialists working in Research and Development.

TEXA has also received extensive international recognition over the years: the company won the prestigious Frost & Sullivan award in 2006 and 2007, received the GIPA (Groupement Inter Professionnel de l’Automobile) prize in 2009 for the TEXAEDU program, and in the same year won a gold medal at the Grands Prix Internationaux de l’Innovation Automobile in Paris. In 2010 it won the Innovation award at Automechanika Frankfurt, and in 2011 the “Galeria de Innovacion” prize at Motortec in Madrid.

In 2011, the President of the Italian Republic Giorgio Napolitano presented founder and CEO Bruno Vianello with the national award for Italy’s most innovative company. All TEXA tools are designed, engineered and built in Italy, using modern automated production lines, a guarantee of maximum precision. TEXA focuses careful attention to product quality, and has obtained certification in accordance with the strict ISO TS 16949 requirements for suppliers of original equipment to the automotive industry.

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@texa.it

To check out the extensive coverage of TEXA products visit www.texa.com/applicationlist
To view demos showing TEXA instruments in operation visit www.texa.com/demo
For information on IDC4 compatibility and minimum system requirements go to www.texa.com/system

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 authorized 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.

ALL TEXA PRODUCTS
ARE GUARANTEED FOR 24 MONTHS

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV

= ISO 9001 =