

MARINE Solutions



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TEXA



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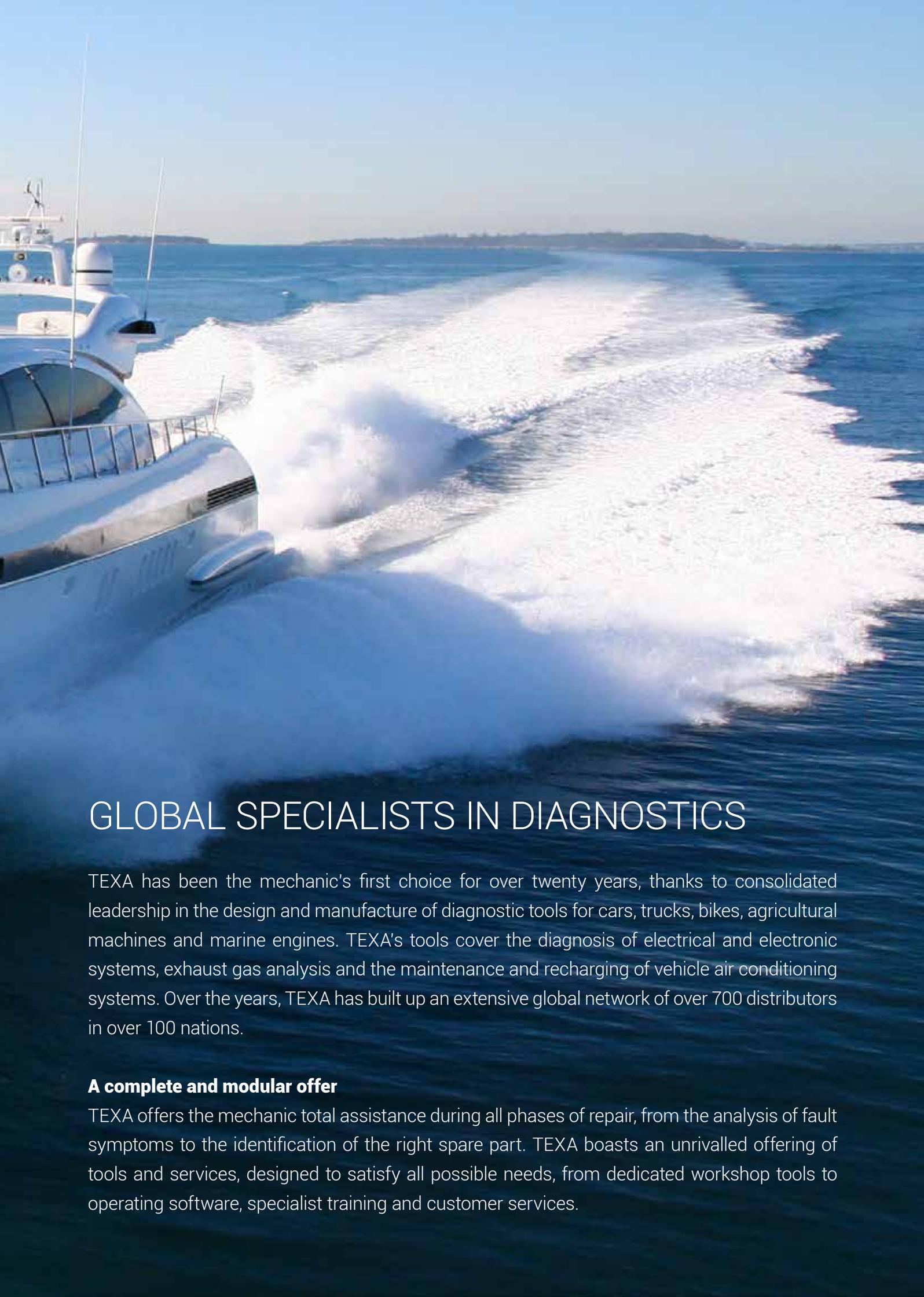
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WARNING

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.



GLOBAL SPECIALISTS IN DIAGNOSTICS

TEXA has been the mechanic's first choice for over twenty years, thanks to consolidated leadership in the design and manufacture of diagnostic tools for cars, trucks, bikes, agricultural machines and marine engines. TEXA's tools cover the diagnosis of electrical and electronic systems, exhaust gas analysis and the maintenance and recharging of vehicle air conditioning systems. Over the years, TEXA has built up an extensive global network of over 700 distributors in over 100 nations.

A complete and modular offer

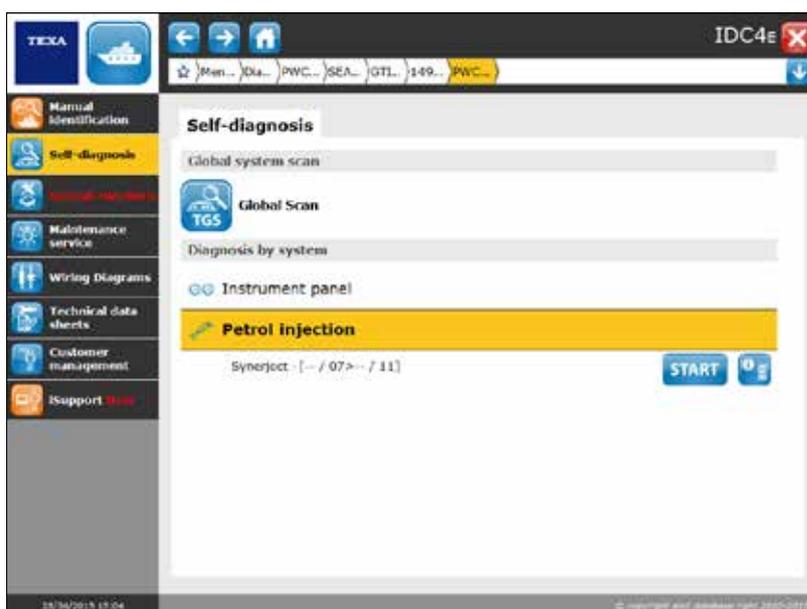
TEXA offers the mechanic total assistance during all phases of repair, from the analysis of fault symptoms to the identification of the right spare part. TEXA boasts an unrivalled offering of tools and services, designed to satisfy all possible needs, from dedicated workshop tools to operating software,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

IDC4E: THE HEART OF TEXA DIAGNOSTICS

IDC4E MARINE is the latest evolution in TEXA's extraordinary software platform for the management of all routine workshop tasks. It incorporates the results of constant development by TEXA technicians and ongoing dialogue with customers around the world.



AN EVEN MORE INTUITIVE SOFTWARE INTERFACE



In developing IDC4E, we concentrated on making it even easier for mechanics to access the most frequently used functions, starting from vehicle selection. We also put a great deal of effort in to making it possible to scan all the control units on a vehicle. The new “START” button, located alongside the selected system, provides instant access to the Errors screen. Navigation between the various screens is easier than ever thanks to the introduction of tabs, and the new “Wiring Diagram Detail” function makes an instant link between an error detected in an ECU and the corresponding component on the wiring diagram. The “Favourite Parameters” function lets you create logical parameter groupings for investigating possible malfunctions on the vehicle. The Client Manager section has also been redesigned and lets you manage your customers through detailed profiles of their vehicles and the jobs done on them.

EXCLUSIVE IDC4E FUNCTIONALITIES

IDC4E is the software to beat when it comes to multi-brand diagnostics. IDC4E provides an extensive series of exclusive functionalities developed and optimised by TEXA's own R&D department.

Vehicle registration search



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

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 CUMMINS MARINE, CUMMINS MERCUISER DIESEL, MARINER, MERCUISER, MERCURY, MERCURY DIESEL and MERCURY RACING on installations later than 2010 and for the SEA-DOO (BRP) brand.

Freeze Frame



Freeze Frame lets you 'freeze' the display of parameters and data detected 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.

Throttle Settings



This special function is currently available for YAMAHA and MERCURY engines. In the case of YAMAHA engines, all you need to do is run the setting function and the throttle is automatically synchronised with the engine. For MERCURY engines, first select the number of engines fitted and the type of throttle involved to associate the throttle with the engine(s). Then select whether an accelerator pedal is fitted or not and follow the images displayed to assign the various throttle positions (Ahead full throttle, Ahead, Neutral, Reverse, Reverse full throttle).

Special settings for SEA-DOO



Another interesting function lets you perform special settings for SEA-DOO (BRP) Group products, such as: Ignition key setup, CAN bus alignment, Key registration with Key Adapter, VIN write, Engine code write, Customer name write, Change display unit of measure, Change display language, Display time on start.

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 IDC4E operating environment.

i-Support (in 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.

New software: IDC4E BASIC and PLUS

In addition to providing new diagnostic content, IDC4E MARINE can also be activated in two different ways, BASIC and PLUS, to suit the different needs of today's mechanics.

BASIC mode is ideal for workshops that deal mainly with outboard engines, jetskis and common makes of medium size inboard engines.

PLUS mode provides all the content of BASIC mode as well as coverage for professional marine engines and engines installed in larger craft.





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 electronic systems and much more besides.

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.

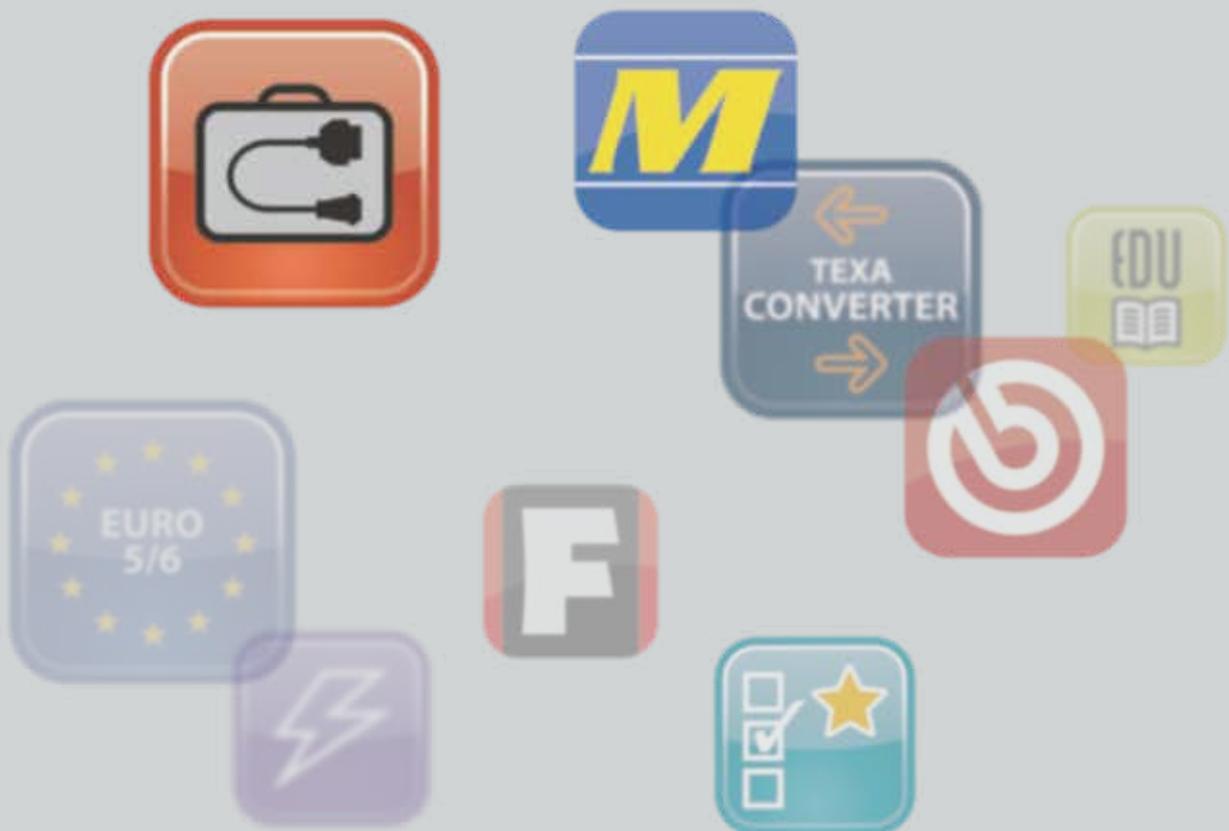
TEXA APP*

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 mechanic with one simple click.

TEXA APP provides diagnostic software and innovative applications developed by TEXA. It allows you to customise your tools directly from IDC4E 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 mechanics, including manufacturers and distributors of spare parts, specialist magazines, technical information services and so on.



* Check the availability of TEXA Apps for your tool.

TEXA APP



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 TEXPACK.

JET SKIS

HONDA MARINE
KAWASAKI MARINE
SEA-DOO (BRP)
YAMAHA MARINE

OUTBOARD ENGINES

EVINRUDE
HONDA MARINE
JOHNSON
MARINER
MERCURY
MERCURY RACING
SELVA MARINE
SUZUKI MARINE
TOHATSU OUTBOARDS
YAMAHA MARINE

INDUSTRIAL ENGINES / GENERATORS

KOHLER
MTU

INBOARD ENGINES

CATERPILLAR
CRUSADER ENGINES
CUMMINS MARINE
CUMMINS MERCURISER DIESEL
DAF MARINE
FNM MARINE
FPT (FIAT POWERTRAIN TECHNOLOGIES)
HYUNDAI SEASALL
ILMOR
INDMAR
LOMBARDINI MARINE
MERCURISER
MERCURY DIESEL
MERCURY RACING
MTU
PCM MARINE ENGINES
PERKINS
SEA-DOO (BRP)
SISU
STEYR MOTORS
VM MOTORI
VOLKSWAGEN MARINE
VOLVO PENTA
YANMAR

* The brands shown in bold are covered by **IDC4E MARINE BASIC** software. IDC4E MARINE PLUS software ensures more extensive coverage.

A close-up photograph of the interior of a white boat. In the foreground, a black diagnostic device with a blue screen is resting on a white, textured seat. The screen displays a user interface with several icons and text. In the background, there is a white console with a black panel and a chrome faucet. The overall lighting is soft and focused on the device.

Over 2.000
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 4 display unit and on the robust NAVIGATOR TXBs vehicle interface. These devices interconnect via Bluetooth and dialogue with the vessel'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 mechanics and also stand out for their ease of use and versatility. All TEXA interfaces are fully compatible with standard personal computers.



AXONE 4

TEXA's top of the range, most powerful display unit is designed to solve all the problems that can occur both inside and outside the workshop. AXONE 4 is particularly suited to the marine environment. It is extremely robust, impact and fall resistant, water, mud and dust proof (IP 67 Standard) and even conforms to military standard MIL STD 810F. AXONE 4 also has a remote assistance function to allow TEXA's experts to connect remotely and see exactly what is happening. A DUAL MODE function lets you connect temporarily to two different interfaces, so that you can run autodiagnosics on one component while monitoring the signal of another on the oscilloscope, for example.



EXCLUSIVE FOR AXONE 4

IDC4E PREMIUM software with special functions for faster access to the desired applications.





NAVIGATOR TXBs

This latest generation vehicle interface lets you work on outboard and inboard engines, jetskis, industrial engines and generators. NAVIGATOR TXBs is extremely robust and boasts characteristics that make it the ideal solution for use in the marine environment. It can perform a wide range of essential tasks including: autodiagnosics for error reading and cancellation, display of engineering parameters and ECU states, device activations, settings and configurations, warning light resets, ECU configuration, carburation and injection timing settings, and even key programming.



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 taken to determine the efficiency of components like the battery, injectors, CAN network and heating elements. 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 and TwinProbe

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

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 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.



TECHA TRAINING

TECHA 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 TECHA courses are based on an ideal mix of theory and practice on vehicles. Practice plays a fundamental part, as it combines testing and simulations with use of the mechanic's own TECHA diagnostic tools, thus stimulating more active and dynamic participation and more effective learning.





ELECTRONIC VESSEL MANAGEMENT



D1M **Diagnostic techniques** **for the MARINE ENVIRONMENT** **Duration: 6h**

TEXA software functions for diagnostics on pleasure craft and commercial vessels with inboard and outboard engines. Using TEXA software: an introduction to autodiagnostic pages (Errors, Parameters, States, ECU info, Activations, Settings), resetting procedures and settings. Reading TEXA standard wiring diagrams and supplementary technical information. Methods for updating software and configuring tools. MERCURY throttle settings, HONDA ECU resets, SEA-DOO service resets, and CATERPILLAR engine settings.

Verify the availability of courses in your own country.



TEXA

TEXA was established in 1992 at Monastier di Treviso, and today is a European leader in the design and production of multibrand diagnostic 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 500 people around the world, including over 100 engineers and specialists working in Research and Development.

Over the years, TEXA has received a great deal of international recognition. The company won the coveted Frost & Sullivan Award in 2006 and 2007, the GIPA (Groupement Inter Professionnel de l'Automobile) Award in 2009 for its TEXAEDU programme and again in 2013 for its communications.

In 2009, TEXA won the Gold Medal at the Grand Prix Internationaux dell'Innovation Automobile in Paris and in 2011 the "Galeria de Innovacion" Award at Motortec in Madrid.



In 2011, the President of the Italian Republic, Giorgio Napolitano, presented TEXA's founder and CEO, Bruno Vianello, with the national award reserved for Italy's most innovative company.

In 2014 TEXA repeated its 2010 success at Frankfurt, when it won the prestigious Automechanika Innovation Award in two separate categories and also won the Autotrade Expo Innovation Award in Dublin.

In 2015, MIT Technology Review classed TEXA as one of the ten most "disruptive" companies in Italy. All TEXA tools are designed, engineered and built in Italy, using modern automated production lines, a guarantee of 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 IDC4E compatibility and minimum system requirements, go to:

www.texa.com/system



www.facebook.com/texacom



www.youtube.com/texacom

**COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001 =**



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