



**BOSCH**

Invented for life

Future driven

# DIAGNOSTICS

**The new generation of  
vehicle diagnostic solutions**

ESI[tronic], KTS and DCU from Bosch





# Everything for your control unit diagnosis

The new generation of diagnostic testers from Bosch, the KTS 560, the KTS 590 and the KTS 350, now include technology which is currently only available on OEM diagnostic tools.

Advanced diagnostics are becoming increasingly important for workshops, so that professional repairs, as well as maintenance, can be as efficient as possible therefore ensuring customer satisfaction.

You can also easily expand your services with the advanced diagnostics offered by Bosch. You benefit from numerous advantages which simplify the daily workshop routine. Additionally, hotline and training from Bosch can provide help with diagnosis and repairs, even with complex systems. And with bigger challenges our experts can simply log into your computer via remote diagnostics.

## 6 professional solutions for every workshop

- ▶ **ESI[tronic] 2.0:** Diagnostic software for maintenance and repair with comprehensive vehicle coverage
- ▶ **KTS 560:** Convenient wireless solution with measuring equipment (1-channel multimeter)
- ▶ **KTS 590:** Convenient wireless solution with top measuring technology (2-channel multimeter with oscilloscope)
- ▶ **KTS 350:** Mobile all-round solution for comprehensive vehicle diagnostics
- ▶ **DCU 100:** Rugged tablet PC for use with ESI[tronic] 2.0
- ▶ **DCU 220:** Durable laptop PC for use with ESI[tronic] 2.0 coverage



# ESI[tronic] 2.0: Multifunctionality

Today one expects more than just basic diagnostics from workshop software, no matter if it concerns passenger cars or commercial vehicles.

Intelligent troubleshooting, support for rapid repair and maintenance according to the manufacturer's specifications are the new standard in the diagnostics segment. All these requirements are met with ESI[tronic] 2.0.

ESI[tronic] 2.0 includes the newest data on all standard vehicle types with regular updates.

ESI[tronic] 2.0 from Bosch guides you through the troubleshooting process step-by-step. All the necessary information on the vehicle regarding maintenance and service is provided instantly.

The integrated solution, EBR – Experience Based Repair, allows quick access to solutions of known faults based on real life examples from the industry.

Fast and reliable repairs are the basis for excellent results and high customer satisfaction.



## The benefits of ESI[tronic] 2.0 at a glance

- ▶ Control unit diagnostic with the latest data for cars, transporters, trucks and motorcycle systems
- ▶ Vehicle identification via VIN
- ▶ All necessary data for quick and easy repair and maintenance according to manufacturer specifications
- ▶ Supports the Bosch workshop networking concept: Connected Workshop
- ▶ Regular online updates are downloaded in the background while the device is in use
- ▶ All necessary steps are always presented in an easy and understandable manner
- ▶ Comprehensive database of the most common control devices enables efficient analysis



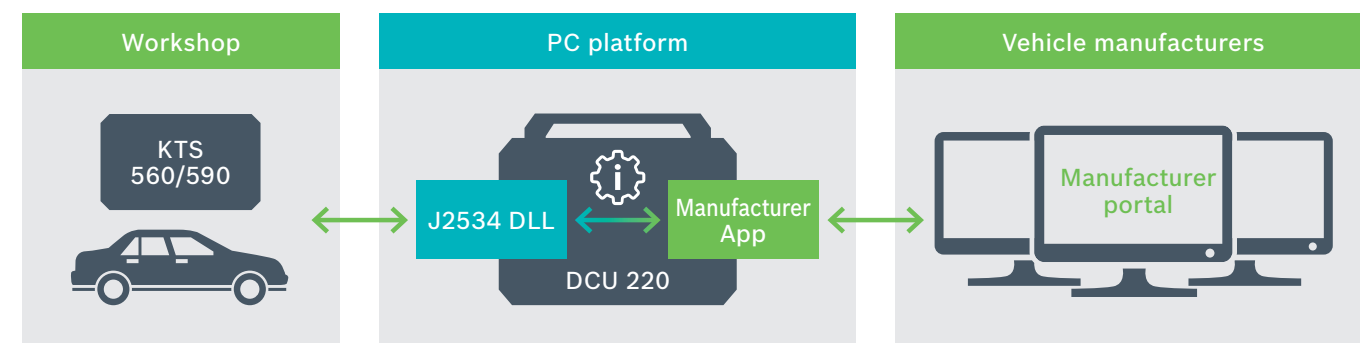
# Always up to date with Bosch: Control unit programming as per Euro 5/6

Since 2009, the Euro 5/6 Standard requires vehicle manufacturers to make their technical repair information on their online portals available to independent workshops and also enable the reprogramming of control units. Vehicle manufacturers must therefore provide both diagnostic, service, repair and maintenance information.

The new KTS generation from Bosch is equipped with what is known as a PassThru interface which allows access and reprogramming of the online portals of vehicle manufacturers.

Already 14 vehicle brands are supported by the new KTS generation using PassThru including Volkswagen, Mercedes-Benz and Land Rover among others. Bosch has considerable experience when it comes to using this technology.

From 2009 our Bosch units have been PassThru capable – an experience that is proving itself now in everyday workshop use. Additionally, our experts are always available should you ever need help for a certain application.



## DoIP and Ethernet: communication of the future

More and more vehicle manufacturers are using a new diagnostic interface based on Ethernet, also known as DoIP (Diagnostics over Internet Protocol). The advantage is that data transfer is up to 200 times faster when compared to previous technologies which were mostly used for flashing the control unit. It is not unlikely that in the near future more and more manufacturers will use Ethernet for regular vehicle diagnostics as well. Being prepared for this development, the new diagnostic testers from the Bosch KTS series support Ethernet as well as the conventional vehicle interfaces. This means you are ready for the requirements of tomorrow with an intelligent solution from today.



# KTS 560 and 590: most modern control unit diagnosis for the highest level of efficiency

The new, robust communication modules KTS 560 and KTS 590 are optimally suited for the use of the diagnostic software ESI[tronic] 2.0.

It is also possible to operate several vehicles interfaces in parallel so vehicle manufacturer portals for diagnostics and reprogramming according to Euro 5/6 (PassThru) can be operated efficiently.

In the future, parallel communication on various vehicle interfaces (incl. Ethernet) is a must for ambitious workshops.

The KTS 560 and KTS 590 already have these capabilities.

In addition to vehicle communication, measurements of voltages, resistance or current can be carried out quickly and easily.

The KTS 590 also includes a 2-channel oscilloscope, which means that not only voltage and current waveforms can be shown, but can also be immediately evaluated.



## The benefits of the KTS 560 and 590 at a glance

- ▶ Support of all current vehicle interfaces based on Ethernet and parallel operation of several BUS systems
- ▶ More advanced PassThru interface for programming the control units on the portals of the vehicle manufacturer according to Euro 5/6
- ▶ Works on any Windows PC on which the Bosch diagnosis application ESI[tronic] 2.0 is installed and licensed
- ▶ Mobile and stable operation thanks to powerful Bluetooth interface
- ▶ Up to three CAN and K-Line interfaces can be used at the same time
- ▶ Wireless Bluetooth connection to the workshop PC allows increased coverage enabling mobile use throughout the workshop
- ▶ Rugged construction for long-term everyday workshop use

# KTS 350: Advanced diagnostic technology – in one compact device

Each workshop wants a multifunctional tester which contains all the necessary “tools” for troubleshooting that makes everyday work easier and more efficient. The solution is the Bosch KTS 350.

In addition to all of today’s standard vehicle interfaces, it even supports the new, Ethernet-based interfaces and is therefore perfectly prepared for the future demands of the automotive environment.

With the help of a more powerful processor than its predecessor (4 GB RAM, 256 GB SSD) and in conjunction with the Windows 10 operating system, the program starts quickly and works faster.

Additionally the KTS 350 comes with the Bosch diagnostic application ESI[tronic] 2.0, which is pre-installed on the device.

It is versatile and ideal as an all-in-one tester for independent workshops or as a second device for mobile usage. The KTS 350 provides an efficient overall package for control unit diagnosis, maintenance, troubleshooting and repair.



## The benefits of the KTS 350 at a glance

- ▶ Mobile all-round solution: control unit diagnosis, troubleshooting, repair and maintenance
- ▶ Support of all current vehicle interfaces based on Ethernet and parallel operation of several BUS systems
- ▶ PassThru interface for programming the control units on the portals of the vehicle manufacturer as per Euro 5/6
- ▶ Plug & play through the pre-installed and configured application ESI[tronic] 2.0
- ▶ Quicker system start thanks to the improved processor and modern SSD technology
- ▶ Regular online updates available
- ▶ Windows 10 operating system allows easy installation of additional applications

# DCU 100: Test equipment with a future

The DCU 100 is a portable, robust 10-inch tablet PC with touchscreen which has been specially developed for workshop use. It controls the ESI[tronic] 2.0 testing and diagnosing system using the Bosch KTS series modules and is compatible with the Windows 10 operating system. The DCU 100 is ideally suited for professional workshop environments and is perfectly equipped for the challenges of tomorrow.



## DCU 220: A new standard for test equipment

The DCU 220 is both a notebook and a tablet PC allowing flexible and comfortable work at all times – especially in the rough workshop environment. It controls the test and diagnostic systems of the Bosch KTS series. This powerful module is a milestone in terms of speed and it comes as no surprise that it is being called the premium diagnostic device amongst the DCUs by Bosch.



## Benefits of the DCU 100 at a glance

- ▶ Pre-installed application ESI[tronic] 2.0 for optimum vehicle diagnostics
- ▶ Also available as a package with KTS 560
- ▶ 4 GB RAM, 256 GB SSD storage system and Windows 10 provide a fast system start
- ▶ Windows operating system allows easy integration into existing workflows
- ▶ Integrated Bluetooth and Wi-Fi for working on the go

## Benefits of the DCU 220 at a glance

- ▶ Easy switching between tablet and notebook operation
- ▶ A powerful Intel Core i5-6200U processor, 256 GB SSD system memory, 8 GB RAM and Windows 10 enable rapid workflow
- ▶ Also available for a package price with the KTS 560 and KTS 590
- ▶ Windows operating system allows easy integration into existing workflows
- ▶ Uses two lithium-ion batteries for long-lasting operation

# Driven by efficiency

Bosch technologies are used worldwide in almost all vehicles. People, and assuring their mobility, is what we are focused on.

Therefore, we have dedicated the last 125 years of pioneering spirit and expertise in research and manufacturing to achieving this.

We continue to work on our unique combination of solutions for spare parts, diagnostic devices, workshop equipment and services:

- ▶ Solutions for efficient vehicle repairs
- ▶ Innovative workshop equipment and software
- ▶ The world's most comprehensive range of new and replacement parts
- ▶ Large network of wholesale customers, for quick and reliable parts supply
- ▶ Competent hotline support
- ▶ Comprehensive educational and training offers
- ▶ Targeted sales and marketing support

Find out more at:  
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