

Invented for life



Driven By Solutions

Professional diagnostic systems for every workshop

ESI[tronic] 2.0 Online



100 Years of
Bosch in India



Welcome efficiency in your workshops with Bosch KTS

Powerful combination of **KTS scanner** (hardware) & **ESI[tronic] 2.0 Online** (software)

Simplifies diagnosis of ECU errors

Over **30 years** of improving everyday operations of workshops

Makes service, maintenance, & repair more effective & efficient

Useful for **passenger & commercial vehicles**

Regular updates of ESI[tronic] 2.0

Useful for **all vehicles** across economy & premium models

A worthy investment for any workshop

Innovative, **state-of-the-art KTS hardware** solutions developed by Bosch

Trusted by many workshop owners across India

Detailed **technical & training assistance**



ESI[tronic] 2.0 Online Overview

The diagnostic software offers everything needed for efficient and professional vehicle maintenance, diagnosis, and repair. Workshops can license the modular software packages as needed. The software updates itself in the background as per the constantly expanding vehicle coverage, thereby staying up to date with minimum effort.



Vehicle information

Important basic information for all of the vehicles covered, such as model series, rated power, engine designation, and type of drive, as well as installed systems and assigned information.



Diagnosis of control units

Diagnostics are the centrepiece, displaying installed systems and error codes stored in memory with km mileages in a summary, deleting error codes, displaying actual values and preparing them in a graphic format, activating actuators, resetting service intervals, running automated tests, calibrating sensors and systems, and teaching components.



Vehicle equipment catalog

Access to the complete Bosch automotive equipment catalog, including spare and exchange part numbers, service information and installation instructions.



Experience-based repair (EBR) / Known faults

Finding the correct solution in a few seconds, even with challenging errors. Experience-based repair (EBR) comprises summaries of recurrent faults across several vehicle models in easy-to-read data records. Whenever one of these known faults occurs during a diagnostics process, ESI[tronic] recommends one of those repair solutions to the technician that have already helped to solve the problem.



Handbooks and manuals

Step by step to the cause of a fault: Verified diagnostic and repair manuals and handbooks from Bosch and OEMs provide information backed up with component test instructions, installation position, removal and installation instructions, nominal values, circuit diagrams, functional descriptions, bus overviews, and helpful explanations about operating principles.



Circuit diagrams for comfort systems

The comprehensive database contains all the circuit diagrams for important vehicle systems such as engine management, comfort and bus systems. It refers to the direct installation location and designation of each component, while also offering efficiency thanks to quick and easy-to-read overviews.



Maintenance schedules and information

Important information about repairing vehicles can be called up from several tabs. Among other things, these include information about service times, the parts needed, tire size and pressure, as well as centralized programming information. All tabs are provided with a direct link to diagnostics. Vehicle-specific workflows guarantee that every repair is carried out in accordance with the manufacturer's specifications and are therefore covered by the manufacturer warranty.



Diagnostic devices

Choose from the exceptional range of KTS devices

Whether stand-alone diagnostic device, tablet/convertible PC, or communication module: The control unit testers from Bosch provide support during everyday workshop tasks, ensuring reliable and professional vehicle diagnostics.

KTS 250

The compact all-rounder

The multifunctional testers are equipped with the **ESI[tronic] 2.0 Online** diagnostic software: The compact and robust **KTS 250** has been specially developed for everyday workshop use and is particularly suitable for fast ECU diagnostic.

Stand-alone diagnostic devices



| Performance characteristics | KTS 250 |
|--|--|
| Diagnostic software | ESI[tronic] 2.0 Online (Diagnostic Package) |
| Online updates | ✓ |
| Plug and play with ESI[tronic] 2.0 online pre-installed | ✓ |
| Vehicle identification | Automatic |
| Screen size | 7" TFT touchscreen (1,024 x 600 px) |
| Battery | Lithium ion 7.2 V / 2,600 mAh |
| Operating system | Android (AOSP) 6.0.1 |
| RAM | 2 GB RAM |
| Hard drive | 16 GB SSD |
| PassThru function | - |
| DoIP Ethernet interface | - |
| Suitable for calibration of driver assistance systems with DAS 3000 | - |
| Interfaces | WLAN 802.11 b/g/n, 1x USB 2.0 Type A, 1x USB 2.0 Type B, LAN 10/100 Mbit |
| Access to protected vehicle electronics* | ✓ |

*Coverage for available manufacturer brands via central, integrated Bosch access "Secure Diagnostic Access (SDA)" and individual solutions of vehicle manufacturers with a security concept.

KTS 560 and 590

The robust specialists

With their integrated Ethernet interface, the **KTS 560** and **KTS 590** communication modules use state-of-the-art technology and are well adapted to the use of the **ESI[tronic] 2.0 Online** diagnostic software. To simplify the daily workshop routine, the devices can be connected to any Windows PC on which the **ESI[tronic] 2.0 Online** software is installed.

Communication modules



| Performance characteristics | KTS 560 | KTS 590 |
|--|-------------------------------|---|
| PassThru function | ✓ | ✓ |
| DoIP Ethernet interface | ✓ | ✓ |
| Suitable for calibration of driver assistance systems with DAS 3000 | (in combination with DCU 220) | (in combination with DCU 220) |
| Access to protected vehicle electronics* | ✓ | ✓ |
| Diagnostics protocols (ISO, SAE, CAN)** | ✓ | ✓ |
| Integrated measurement technology | 1-channel multimeter | 2-channel multimeter and 2-channel oscilloscope |
| Oscilloscope sampling rate | - | 20 MS/s |

*Coverage for available manufacturer brands via central, integrated Bosch access "Secure Diagnostic Access (SDA)" and individual solutions of vehicle manufacturers with a security concept.

**Supported diagnostic protocols: ISO 9141, SAE J2818, KWP1281, KWP 71, KWP 81, KWP 82, Kühner+RTMD+BodensteinerMB, Holden MPI VN/VP, KWP 2000, ISO14230, DS2 BMW, Magneto Marelli IAW04, Volvo D2, Nissan 3 wire, flashing code, ISO15031, SAE J1979, KWP 2000 Lada, PSA free-running, SAE J1850 VPW+PWM, Toyota M-OBD, DS1 BMW, GM Class 2, Mitsubishi GDI, SAE 2740, BMW Fast, Ford UBP, Chrysler CCD, SAE J1939, ISO 11898, LIN, ISO15765, CAN VOLVO TP, VAG TP 1.6, VAG TP 2.0, GM LAN, ISO 13400 (DoIP), CAN FD (hardware supported).

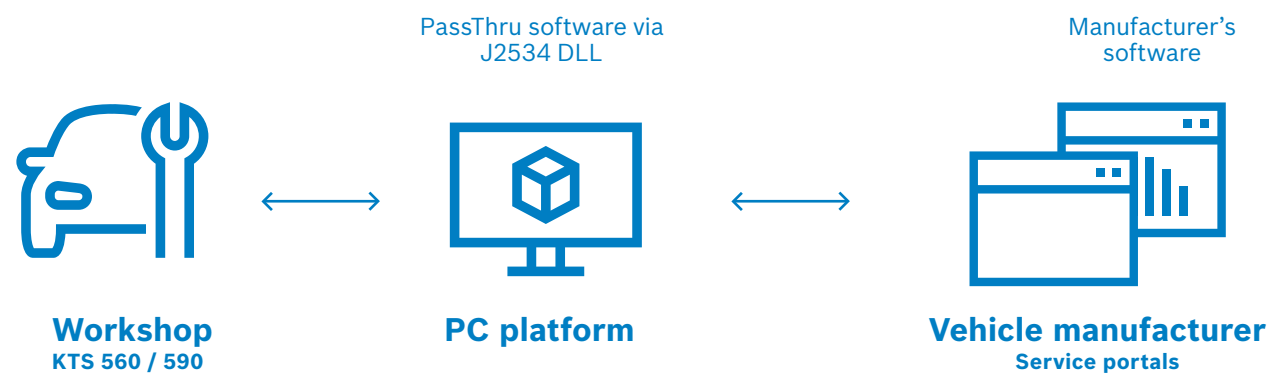
Technology that simplifies diagnostics

In conjunction with the ESI[tronic] 2.0 Online software, Bosch diagnostic devices support numerous communication modules and the latest technology standards. Bosch offers future-proof solutions for every workshop by enabling communication with the vehicle.

PassThru

Since 2009, vehicle manufacturers have been obliged to make all technical repair information available to independent workshops, thus enabling the reprogramming of control units. With the PassThru interface from Bosch, workshops can use the Internet portals of vehicle manufacturers for reprogramming as usual and update control unit software as necessary.

Considerably faster data transmission with the PassThru interface



Protocols such as DoIP and CAN FD

More and more vehicle manufacturers are using the Ethernet-based Diagnostics over Internet Protocol (DoIP) diagnostic interface. It enables up to 100 times faster data transfer speeds as well as secure and stable data transfer. In addition to conventional vehicle interfaces, Bosch diagnostic devices also support Ethernet. Basic diagnoses are still possible via CAN interfaces such as CAN FD

Strengthening our technical support with KTS Backup for workshops

Even the most experienced technician may encounter questions when diagnosing complex cases. Technical support and service training sessions help technicians find the solution to various vehicle repair situations.



Service and repair become easier and faster

With Bosch, avail round-the-clock hotline service for your repair-related issues. Along with this, we deliver unmatched expertise with our dedicated technical team who works to solve the problem either at your location or remotely.

Service training

Today's vehicles are becoming increasingly complex and new technologies are challenging. That is why it is important to stay up to date and to increase one's know-how.

With Bosch service training, technicians learn to solve practical cases on commercially available automotive systems. The goal is to apply the newly acquired knowledge directly in their own workshop environment, thereby increasing productivity and reducing waiting times for customers.

Benefits at a glance

- ▶ **Extensive expertise** in vehicle systems technology from Bosch
- ▶ **Fast problem solving**
- ▶ **Expertise in the mechanical and electrical systems** of all vehicle manufacturer brands
- ▶ **Constant availability** of the latest information

ESI[tronic] 2.0 Online offers
information for over 90,000
vehicles from around

150

brands.



What drives you, drives us

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

Therefore, we have dedicated over 130 years of pioneering spirit and expertise in research and manufacturing to achieving this.

We provide the aftermarket and workshops worldwide with modern diagnostic and workshop equipment and a wide range of spare parts for passenger cars and commercial vehicles:

- ▶ Solutions for efficient and effective vehicle repairs
- ▶ Innovative workshop equipment and software
- ▶ One of the world's most comprehensive ranges of new and exchange parts
- ▶ Large network of wholesale customers for quick and reliable parts supply
- ▶ Competent technical support
- ▶ Comprehensive educational and training offers
- ▶ Targeted sales and marketing support

For any enquiries or orders related to the Bosch KTS 250, KTS 560, and KTS 590, please get in touch with **Chitharanjan Salian**.

Phone: +91 99869 18965 

Toll-free No: 1800 108 1081 (Monday to Saturday - 9 am to 6 pm)

Email ID: Chitharanjan.Salian@in.bosch.com



Bosch Limited, Automotive Aftermarket

P. B. No: 3000, Hosur Road, Adugodi
Bengaluru – 560 030

 **/BoschAutoPartsIndia | ap.boschaftermarket.com/in/en**

Toll-free No: 1800 108 1081

