

# THE FUTURE STARTS NOW!

Flexibly Mastering All Diagnostic Challenges with VIN|ING 2000.



**VIN|ING 2000** not only makes it possible to master today's standard use cases with WLAN or a USB connection to the computer – it is also perfectly prepared for upcoming remote-diagnostic tasks and stand-alone operation. This is made possible by integrating the new Softing SDE in the device – a combination of tried and tested,

standard-based communication components with a functional access interface. All standard sequences and functions on the PC can thus be reused directly on the VCI – without problems with WLAN connections, bandwidths or latencies.

## INNOVATIVE USE CASES IN ENGINEERING, MANUFACTURING AND AFTER-SALES SERVICE

### ■ DATA LOGGER

for automatic diagnostic and bus data logging directly at the OBD connector, whether on a breadboard assembly or in a test drive

### ■ INDEPENDENT DIAGNOSTIC DEVICE

with a test sequence on the VCI – to take the pressure off the system in test benches or in the analysis of difficult cases in After-Sales Service

### ■ INDEPENDENT FLASHING DEVICE

e.g. for firmware updates of test fleets or in post production

The use cases can naturally also be implemented with a device, for example to gather data during a test drive, to run a diagnostic test before and after the test drive as well as, if necessary, to update control unit firmware. Tasks are started in different ways, for example are triggered by ignition or by pressing a button on the device.

### FURTHER AREAS OF IMPLEMENTATION

- Diagnostics on the test bench or in the test vehicle
- Diagnostics in the production line, on test benches, EoL & reworking
- Fault detection & repair validation
- Development and release of ECU diagnostics



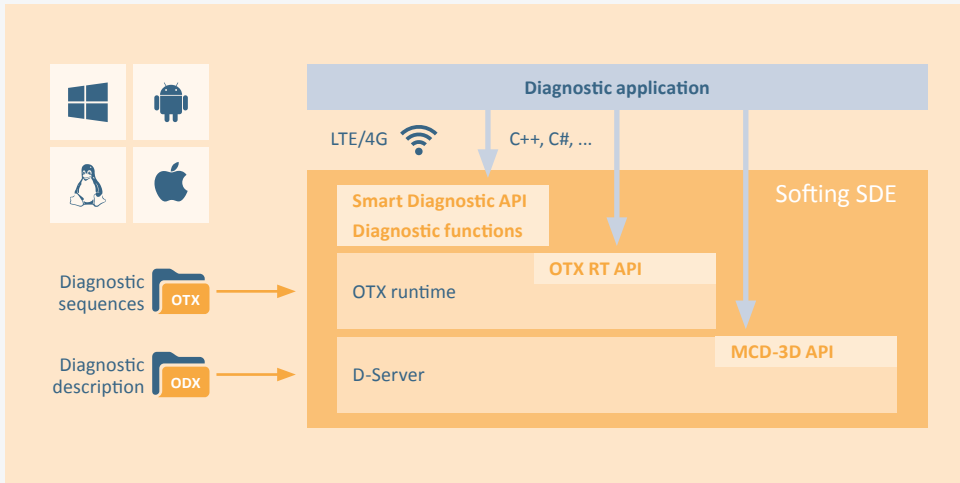
# SOFTING SDE

## Platform-Independent Diagnostic Runtime System for Diagnostic Functions, Sequences and Services over the Entire Life Cycle.

Softing's Smart Diagnostic Engine (SDE) is based on the standardized diagnostic formats ODX and OTX and extends these with an easy-to-operate abstraction layer. The modular component which is used independently of a specific platform takes a functional diagnostic approach by, for example, providing „programming“ and „reading the fault memory“ as functions at the API. Furthermore, it enables remote access to diagnostic functions.

### ADVANTAGES

- Specific implementation of the diagnostic function – once in the entire life cycle
- Greatly reduced development times thanks to simple API
- Increase in performance due to functional diagnostics and optimized runtime format
- Standardized representation over several applications thanks to central control
- Flexible and international implementation due to support of remote access
- Supports a large number of bus systems and protocols incl. CAN FD and DoIP



### DIAGNOSTIC FUNCTIONS, E.G.:

- Reading error memory
- Reading error memory with freeze frame data
- Programming ECUs
- Reading measured values
- Running a vehicle quick test
- ...



For more information:  
[automotive.softing.com/en/softing-sde](http://automotive.softing.com/en/softing-sde)

# VIN|ING 2000

## High-Performance VCI for Engineering, Manufacturing and After-Sales Service.

VIN|ING 2000 is a further powerful VCI for the VIN|ING product family. With a compact design and WLAN, LAN and USB as interfaces to the host system as well as CAN, K-line and Ethernet to the vehicle, VIN|ING 2000 is particularly well suited for future-proof manufacturing and after-sales service applications.

### ADVANTAGES

- Reliable timing thanks to data preprocessing and protocol handling in the interface
- Compact design with integrated diagnostic connector
- Maximum WLAN security thanks to enterprise authentication with certificates
- Flexible USB and LAN cables with magnetic fastening



### KEY FEATURES

- PC interfaces: WLAN / USB / LAN
- 2 x CAN / CAN FD
- 2 x K-Line
- 1 x Ethernet for DoIP
- Power Management and wake-up
- Sensor buttons and motion sensor



For more information:  
[automotive.softing.com/en/vining-2000](http://automotive.softing.com/en/vining-2000)