ZD Hil Bench -Comprehensive Test Bench Solutions



ZD Automotive

ZD HiL Bench

HiL (Hardware in the Loop) Bench belongs to one of ZD's main products and has been widely recognized by many well-known OEMs. Our test bench department has mature and stable design solutions, experienced R&D teams, excellent and efficient supporting factories and first-class and meticulous quality control.

The R&D, production, assembly and production processes of ZD HiL benches are in accordance with international standards. Our product categories cover a wide range, which can fully meet the testing needs of various OEMs in different aspects. Our HiL benches can be individualized, therefore we can implement customized solutions with special functions on customer request. Our services includes:

- Individual design & modular Construction
- 2 Bus simulation functions
- 3 Hardware development & modification
- 4 Reconstruction & upgrade of existing systems
- Import & export of spare parts
- 6 Field engineer support & One-year-warranty



Standard Line

Standard Line is the price-performance winner of our test benches, which convinces our customers with its high flexibility and practicality.

Mid Line







ZD Mid Line offers many current features in an innovatively designed housing. It has combined aesthetics and practicality in its concept, which enables a convenient use with lots of functions.

High Line







■ The first generation of our High Line models combines all features in a stylish and practical housing. The large displays give you an overview of all data at any time, while the modular design ensures that you can expand the device as required. The entire system covers a wealth of test scenarios and has functions such as massive data monitoring, automatic update and integration of equipment information.

Individual Line

Suitcase Test Bench









Can be shipped as checked 🔀 Customisable according to customer requirements







C2X Test Bench

- Test types: online connectivity, online traffic, remote updates, Over-the-Air update (OTA), automatic emergency calls (eCall), trouble calls (bCall), etc.
- Multifunctional test bench for testing vehicle connectivity
- Supports ConnectApp test solutions
- Supports simulations like window, door, bonnet and tailgate opening
- Simulation of speed, gear, fuel level







Automation Line

The automation-line helps customers solve test challenges, simplify test management, reduce R&D costs, labor costs and R&D cycles as well as ensure product quality. The ZD Automation line can be connected not only to ZD Automation System but also to any other existing systems, meeting diverse automation needs of users.







Test Rack Module

ZD Test Rack Module has a unique "drawer" design, which can be easily embedded in any 19-inch test benches.

According to different test requirements, internal components such as Main Unit and cable interfaces of the test rack can be replaced and individualized.



Production Line

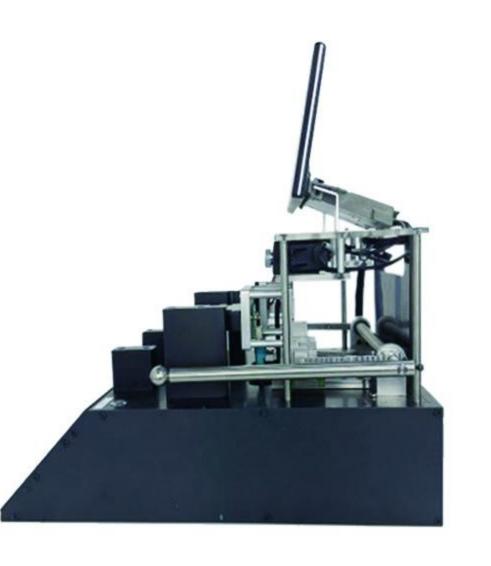
ZD Production Line is designed to meet the actual production needs and technical specifications of OEM. As one of the classic applications of production equipments, ZD Production Line is favored by customers. It works as a navigation filling equipment. After the filling equipment is powered on, it simulates navigation start in the vehicle stably, so as to achieve the filling of map data in the main control unit.

Features

- Stable operation of the navigation unit ensured by simulating physical characteristics of the vehicle network and the relevant signals of the vehicle bus
- ✓ LED indicators show the different operating states of the device
- Anti-static measures to avoid data loss during data transmission
- ✓ Locking function to prevent misuse during the filling process
- Durable and reliable mechanical design suitable to frequent operation and load in production
- Ergonomic design for high flexibility
- Easy replacement of key components on the exterior of the machine body for easy production maintenance and rapid troubleshooting







Advanced Cockpit for Exhibition

ZD not only develop standard product of our own brand, but we also customise our product to meet exhibition needs of our customers through personalised and individualized test benches. According to the technical and aesthetic needs of our customers, we develop individual and customized solutions to provide the appropriate technology and services for high-quality cockpit for exhibition.









The Virtual Cockpit, which ZD had developed with one of our partners, generated a lot of interest at the CES 2019 in Shanghai and was well received in the industry.

Our Vitual Cockpit is based on the self-developed ZD Box and enables not only the signal simulation of the entire vehicle, but also the integration of new functions for the electric vehicle network, including energy management, power control, drive monitoring and many other functions.

Focus on Technology Shaping the Future

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