IC Perform
Anti-Manipulation System for Test Organisations

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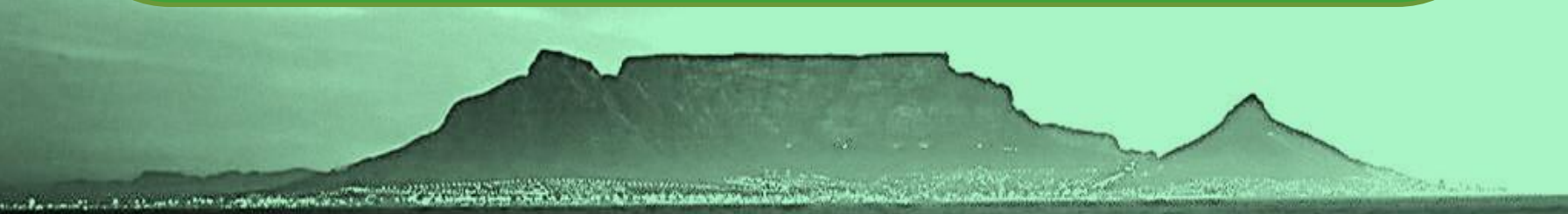
ICperform
Anti Manipulation System for Test Organizations

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NEW Automatic Test Lane Concept for Inspection Center

ICperform - Anti Manipulation System for Test Organizations

Terminal I	Terminal II	Terminal III	Terminal IV	Terminal V
Data Entry & Visual Inspection 1	Emission & Headlight Test	Track, Suspension & Brake Test	Sound level Check & Visual Inspection 2	Main Terminal
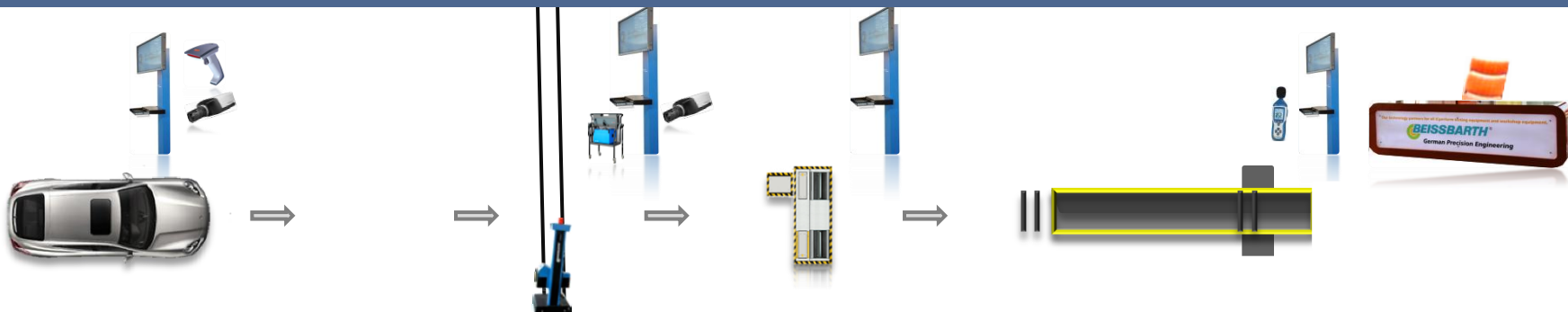
Bosch Vehicle Testing Organisations

➡ Automatic Start/ Stop of Test
➡ Automatic Data Transfer
➡ Quicker Tests
➡ More vehicle tests per day
➡ Reducing the waiting time for customers
➡ User friendly and easy for employees
➡ Anti-manipulation System

Easy Retest procedure

"Fully Automatic Test Lanes"

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ICperform - Anti Manipulation System for Test Organizations

Terminal I

Data Entry & Visual Inspection 1

- Terminal with LCD 22"-Screen
- Industrial PC
- Barcode Reader
  - or
- Automatic Number Plate Detection with integrated Camera

Terminal II

Emission & Headlight Test

- Terminal with LCD 42"-Screen
- Camera for Recording and/ or pictures
- Automatic Headlight Tester (approx. 35s per Test)
- Emission Tester regarding local specifications

Terminal III

Track, Suspension & Brake Test

- Terminal with LCD 22"-Screen
- Brake Tester (Special Version for Inspection Center)
- Suspension Tester
- Side Slip Tester

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Terminal IV

Sound level Check & Visual Inspection 2

➡ Terminal with LCD 22"-Screen (in Pit or beside the Lane)

➡ Sound Level Meter

➡ Visual Inspection above a Pit

Terminal V

Main Terminal

Test Lane Administration

➡ **Tasks**
- Inspector Controlling
- Error Codes Vehicle Categories
- Reference values
- Protocol-Print out (Customer Specific)
- Test Value Storage
- Data base (back up)

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Overview of an Inspection Center

Max. 10 Lanes

Up to 8 Vehicles

⬇

80 Vehicles at same time

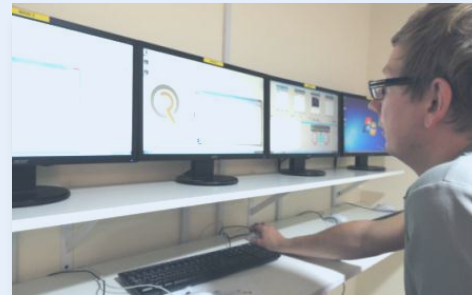**Testing time:**
< 2.5 min/ Veh.

⬇

1.000 Vehicle per day

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Data Server in Inspection Center

➤ **Equipment**
- ▪ Protected HP Server
- ▪ Back-Up-Solution

➤ **Tasks**
- ▪ Test Value-Storage
- ▪ Database-Administration
- ▪ Transfer of Values to governmental Database

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Optional Safety 'Add-ons':

➡ Access control

➡ Inspector verification.

➡ Time & Attendance.

➡ Fingerprint
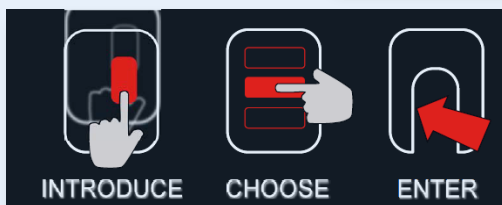
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Why is ICperform an Anti-manipulation system?

▪ ICperform test procedure done automatically. The results sent automatically from one Terminal to the next following one.

▪ No need for remote control

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Why is ICperform an Anti-manipulation system?

• Picture of the vehicle is captured and can be saved with the result in the database.

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Why is ICperform an Anti-manipulation system?

➡ On-line monitoring of ALL test lanes

➡ Access to line operating system

➡ Control of test procedure

➡ Storage of test lane log

➡ Access to test results.

    ➡ Positions of lane terminals are saved

    ➡ Each terminal can be monitored by the Bosch Security Management Software

    ➡ Test lane can be controlled by an officer of a governmental institution

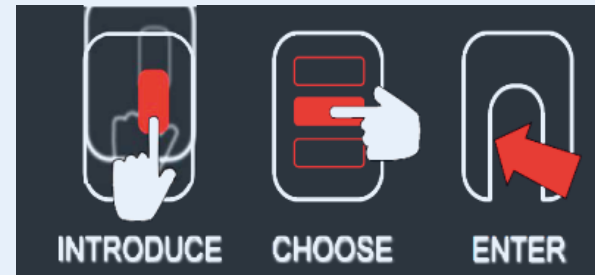   ➡ Complete test lane can be deactivated by found of improper testing.

Availability of full controlling system to be used internally or externally with possibility to stop the test at any time if anything goes wrong.

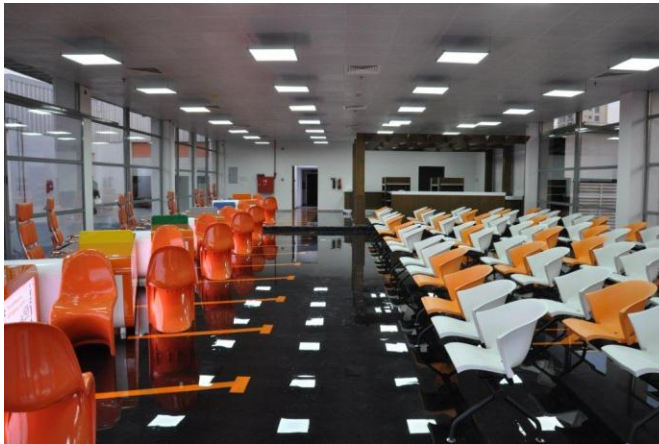### Automotive Aftermarket

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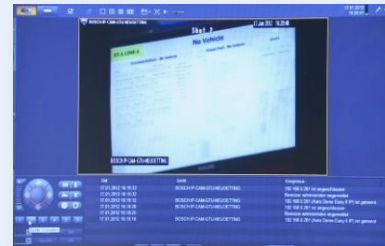
Why is ICperform an Anti-manipulation system?

• There are a lot of add-on features to recognize each inspector. By this way there is identification for each test by whom the vehicle is inspected. Examples of add-on Feature for this purpose: - Finger print   - Card identification

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Quick Registration in Dubai
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Any question?

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