

# U1000

CAM BOX FOR TESTING  
ELECTRONIC UNIT INJECTORS

**U1000** KIT IS  
DESIGNED  
TO BE  
CONNECTED TO  
TRADITIONAL  
DIESEL  
TEST BENCHES  
TO ENABLE  
TESTING OF  
EUI/EUP FUEL  
INJECTION  
EQUIPMENT.



- A typical system for a specific application would consist of:

Cambox and Electronic Drivebox Application kits for injector type (fuel sleeve, cable, cam and pushrod)

Computer & U1000 control software.

- The kit consists of a single cam cambox and basic tooling.

Injectors are mounted to the cambox using existing components supplied by Maktest, and the cambox is mechanically driven by the host test bench.

Fuel supply and delivery measurement will be via the host test bench.



- Electronic Drive Module drives the injectors electrically, results are read from the host test bench and manually entered into the computer software for results display and analysis. The control box may be on a desktop.

## FEATURES & BENEFITS

### ADJUSTABLE CAM STROKE

Adjustable Cam Stroke provides testing being as close to as standard working conditions of the injector.

Internal pressure level maintains same as when running on the engine, creating a similar condition like in the engine and allowing the delivery to be compatible to the engine conditions.

### PATENTED CAM BOX DESIGN

UTS1004 patented Cam Box design, allows to set the cam stroke without:

- Draining oil
- Removing cam

It only takes turning a knob a few times to set the cam stroke.



### BIP and NRT MEASUREMENT

U1000 is capable to measure the Beginning of Injection Period (BIP) and Nozzle Response Time. BIP is the parameter to determine the condition of the Solenoid, Control Valve Spring Tension; whereas, NRT is the parameter to determine the Valve Stroke and Nozzle Spring Tension.

Patented structure to measure NRT eliminates all pressure reflections and waves causing false readings.

# FEATURES & BENEFITS

## EASY USER INTERFACE WITH TEST PLAN CREATE AND CELIBRATE

U1000 user interface provides all the necessary data on the test screen readily available for the user to decide the condition of the injector. The software allows the use to create different test plans.



Software help user to keep the test plan target values calibrated with its automatic calibration feature. New interface software can store the test results, prepare test reports in pdf, excel or html format.



**U1000 Test Results**

Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Tel No: \_\_\_\_\_  
 Equipment Id: 0039      Email: \_\_\_\_\_

Job No	Injector No	Serial No	Test Date
000005	0414700003	0000	04/04/2014

Step	Run	Time	Injection	Target	Unit	Result	SET	SP	Pass/Fail	Comment
Conditioning	001	00:00	42.0	0.0-0.0	ml/min	0.0	0	1000	Pass	
01	000	00:00	40.0	0.0-0.0	ml/min	21.0	2100	0200	Pass	
02	000	00:00	0.0	0.0-0.0	ml/min	0.0	0	1100	Pass	

# Optional Accessories for Various EUI / EUP



- CB50400 DELPHI A3 TYPE @ VOLVO
- CB50500 BOSCH VW-AUDI-SEAT SKODA
- CB50600 BOSCH MERCEDES ACTROS TRAVEGO / EUP
- CB50700 BOSCH MERCEDES AXOR / EUP
- CB50800 VOLVO-BOSCH (8113408)
- CB50900 BOSCH IVECO
- CB51100 DELPHI LUCAS LAND ROVER - 17491CS
- CB51300 CATERPILLAR 3500 (EUI 1320202-108528)
- CB51400 BOSCH SCANIA
- CB51500 CATERPILLAR 3116 (1071232-220264-1278209-727515)
- CB51600 CATERPILLAR 2113025-2235320
- CB51700 MARIN MECHANICAL INJECTOR (BR55510 100)
- CB51900 DETROIT DIESEL SERIES 60
- CB52000 CUMMINS MECHANICAL INJECTOR MS 3084398-3028066
- CB52100 CATERPILLAR C10 (1660155-437290AU)
- CB52200 BOSCH DAF-RENAULT /EUP CB52300 BOSCH DEUTZ
- CB52400 SIEMENS PPD 131021 / 1121013
- CB52500 BOSCH VW-AUDI-SEAT-SKODA NEW TYPE
- CB52600 DELPHI E3 & E1 TYPE @ VOLVO/RENAULT WITH 2 CABLES
- CB52700 CUMMINS CELECT N14
- CB52800 CUMMINS MECHANICAL INJECTOR NTA855 CB52900 DELPHI A3 TYPE @ HYUNDAI TRUCKS
- CB53000 BOSCH VOLVO HEAVY DUTY WORK MACHINE /EUP
- CB53100 ADAPTOR FOR SIEMENS VOLKSWAGEN
- CB53200 BOSCH NISSAN (9 443 613 182)
- CB53300 CUMMINS CELECT M11 - M11+ - ISM
- CB53400 DELPHI UNIT PUMP FOR DAF (092330311 1668325 LKFK)

## Electricity Requirement

100- 240 Vac 1 phase 50/60 Hz Universal Single Phase Power Supply



LEARN MORE: EUI&EUP TESTING 

CB5 0700 Adapter for  
Bosch Unit Pump PLD1D100



## About Us

Since its establishment in 1981, our company has been producing CR test equipment, HEUI test equipment, EUI injector and pump test equipment, mechanical test equipment and devices that can diagnose faults with close to one hundred percent accuracy, and has a dealer network that organizes its sales to the whole world.

Started the production of 9 types of turbochargers, which are modules of diesel vehicles and appeal to 68 different model vehicles with 1.3, 1.4, 1.5 and 1.6 liters.



## Technical Support

To get help from our technical support, simply contact us today. The expert technical team responds quickly to all service requests registered on the web page.



## Reach To Dealer

Maktest is located in Izmir, Turkey. We work with our authorized dealers to provide fast and perfect service in our sales, installation and after-sales services to the whole world. You can contact us via our website to learn about Maktest dealer near you.



### Universal Solutions

All makes injector and pump testing



### Maktest Warranty

Defect and malfunction coverage



### Always Up-to-date


Continuously develops software for better test results

VISIT TODAY

[MAKTEST.COM](http://MAKTEST.COM)

ASK FOR MORE

[SALES@MAKTEST.COM.TR](mailto:SALES@MAKTEST.COM.TR)

 / [instagram / maktestcom](https://www.instagram.com/maktestcom)

 / [Youtube / Maktest Diesel Injection Test Solutions](https://www.youtube.com/channel/UC...)



#### Office Hours

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