

# UTS1004

## An easy solution for a big problem

Worldwide sales and service network provide timely and reliable support to all questions.

# injectester

# UIP

All Makes Unit Injector and Unit Pump Test Stand



## Independent solution provider for diesel injection problems



What makes equipment professional?

- Capacity?
- Capability?
- User friendliness?
- Flexibility?
- Convenience?

UTS1004 injectester UIP has all these features built in. It is designed upon 30 years of diesel injection background of Maktest combined with excellence.

UTS1004 is not designed only for testing; its abilities reach far beyond, providing fine details such that to guide professionals directly to solution.

Maktest provides its customers;

- Updated information concerning test and repair instructions,
- Latest version control software and drivers,
- User's manuals and troubleshooting guides,
- Repair manuals for repairing various unit injectors and unit pumps.

## Perfected for the game...

Maktest has training centers in 5 locations around the world. Training centers are focused to help customers to stay up to date with new diesel injection systems. Customers are trained for repairing various fuel injection systems, using special tools and interpretation of test results. Training centers provide continuous support to the customers to help them solve their repair and diagnose problems with diesel injection systems.



repairing the future..



# MAKTEST

Maktest is manufacturing diesel injection test equipment since 1977. Maktest products are distributed in more than 70 countries around the world and more than 3000 test equipment is actively in operation in these countries. Well recognized brand names dizotester, pumptester, injectester, unittester are Maktest products

Please contact to the nearest dealer to obtain latest adapter list for Common Rail Injectors. Maktest is continuously work design adapters for the new injectors.

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### FEATURES

Distinct cam box design



UTS1004 has variable stroke height that allows testing all unit injectors or unit pumps with precision.

Exquisite precision in testing



Start of injection parameter is known to be one of the critical parameters to check and set when repairing. UTS1004 precisely measures start of injection time to avoid surprises when assembled on the engine.

Testing perfected...

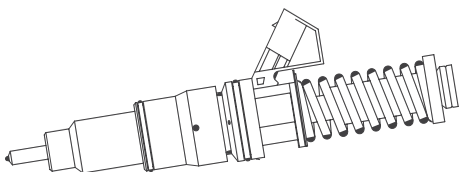


UTS1004 injectester UIP testing capability is perfected to conduct OEM test plans. Furthermore UTS1004 test plan creator module can generate test plans for any unit injector or unit pump to save in its database.

Dual Solenoid and Piezo unit injectors are welcome



UTS1004 just like its predecessor; can test piezo and 2 solenoid (4 pin) unit injectors.



### Technical Specifications

Motor	10 hp AC with digital speed control between 0-1700 rpm.
Cam Box Stroke	Variable stroke between 10mm to 18mm.
Control System	Control computer with 15" LCD. Touch Panel runs Windows 7 OS. Special control software operates UTS1004.
Test Oil Inlet	0-10 bar pressure regulated, temperature controlled.
Test Oil Return	0-6 bar pressure regulated, temperature controlled.
Delivery Measurement	Electronic Fuel Measurement System (UTS1004.01)

### Required Utilities

Electricity Supply

380VAC 50/60 Hz (3 ph)

Air

Dry and oil free air supply must be min 6 bar.

### Optional Accessories for Various EUI / EUP

BOSCH DAF-RENAULT /EUP (CB5 2200)

BOSCH IVECO (CB5 0900 - CB5 3800 - CB5 4100)

BOSCH MAGIRUS (CB5 2300)

BOSCH MERCEDES ACTROS - TRAVEGO /EUP (CB5 0600)

BOSCH MERCEDES AXOR /EUP (CB5 0700)

BOSCH N3 (CB5 3900 - CB5 4200 - CB5 4300 - CB5 4800)

BOSCH NISSAN (9 443 613 182) (CB5 3200)

BOSCH SCANIA (CB5 1400)

BOSCH VOLVO (CB5 0800 - CB5 4900)

BOSCH VOLVO HEAVY DUTY WORK MACHINE /EUP (CB5 3000 - CB5 3700)

BOSCH VW-AUDI-SEAT-SKODA (CB5 0500)

BOSCH VW-AUDI-SEAT-SKODA NEW TYPE (CB5 2500)

CATERPILLAR 2113025-2235320 (CB5 1600)

CATERPILLAR 3116 (1071232-220264-1278209-727515) (CB5 1500)

CATERPILLAR 3406E (2113022, 2571515, 1189030, 1855742) (CB5 0300)

CATERPILLAR 3512-A (CB5 4500)

CATERPILLAR 3508 (1320202-108528) (CB5 1300)

CATERPILLAR C10 (1660155-437290AU) (CB5 2100)

CATERPILLAR C11-C13 (345C-345CL) (CB5 4600)

CUMMINS SELECT M11 - M11 + - ISM AND N14 (CB5 2700 - CB5 3300)

CUMMINS MECHANICAL INJECTOR @ SCANIA R SERIES (CB5 1200)

CUMMINS MECHANICAL INJECTOR MS 3084398-3028066 (CB5 2000)

CUMMINS MECHANICAL INJECTOR NTA855 (CB5 2800)

DELPHI A3 TYPE @ VOLVO (CB5 0400)

DELPHI E3 & E1 TYPE @ VOLVO/RENAULT WITH 2 CABLES (CB5 2600)

DELPHI A3 TYPE @ HYUNDAI TRUCKS (CB5 2900)

DELPHI DAF 1668325 (CB5 3400)

DELPHI JOHN DEERE TRACTOR (CB5 4000)

DELPHI LUCAS Land Rover - 17491CS (CB5 1100 - CB5 3600)

LUCAS JOHN DEERE (CB5 4700)

DETROIT DIESEL SERIES 60 (CB5 1900 - CB5 3500)

MARIN MECHANICAL INJECTOR (BR55510 100) (CB5 1700)

SIEMENS VOLKSWAGEN (CB5 2400)

### Optional Accessories and Tools Recommended

KO1560 Torque Wrench Digital

KO1569 Bosch EUI - EUP Repair Tools Set

CBM01000 Unit Injector Universal Plunger Spring Removal Clamp

KO1558 Hydraulic swiveling arm for disassemble

KO1475 Clean Bench for Electronic Injector Repair, Including Injector Clamp and Ultrasonic Cleaner



repairing the future..



**MAKTEST**  
Independent solution provider  
for diesel injection repair systems.



Regional Distributor (Asia, Middle East and Africa):  
PREMO INTERNATIONAL PTE LTD  
39B, Jalan Pemimpin #04-00, Prime Industrial Building Singapore 577184. Tel: 65-6354 5255 Email: sales@premo.com.sg

Maktest reserves the right to change product configuration and specifications. Maktest is not responsible for printing and typing errors.



The Bench Dimensions:  
Width 1200 mm  
Depth 800 mm  
Height 1830 mm  
Weight 591 kg



Package Dimensions:  
Width 1390 mm  
Depth 1080 mm  
Height 1970 mm  
Weight 701 kg