

# TK1035

pumptester

CRS

An easy solution for a big problem

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

All Makes Common Rail Pump Test Stand



**Independent  
solution provider  
for diesel  
injection problems**



Testing common rail pumps are becoming tough with each new generation of common rail systems. More precise pressure controls, precise metering along with very precise speed control is now required for testing new generation CR pumps

TK1035 is designed to be able to test all types of CR Pumps, including Denso HP0 and Bosch CP2 type inline CR pump systems.

TK1035 introduces the highest specifications for temperature control and flow meter capacity for the after sales service industry.

The upgradable software is also unique to handle such a variety of common rail pumps.

World's new all makes  
CR pumps test bench

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 common rail injectors, using special tools and interpretation of test results. Training centers provides continuous support to the customers to help them solve their repair and diagnose problems with diesel injection problems.



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.

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# pumpmaster

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### FEATURES

#### Complete Automatic Testing



TK1035 completes the test in about 12 min. The results are shown with easy to understand graphics.

#### Simple Mounting Fixtures



TK1035 uses the standard pump mounting features for mounting common rail pumps, making life easy to understand.

#### Testing All Makes CR Pumps



TK1035 has what it takes to test all makes CR pumps. The control electronics is designed to run various SCV, PCV, ZME, IMV Valves according to their OEM standards.

#### Maximum Pressure



Pressure can be set and maintained up to 2200 bar.

### Technical Specifications

Test Oil Transfer System	Pressure adjustable between 0 to 4 bar. System incorporates "Self Suction" line with Restriction valve and Vacuum Measurement capability. Pressure and Vacuum reading are digital on the touch panel.
Lube Oil Transfer System	Pressure is adjustable between 0 – 10 bar. Tank capacity is 15 lt.
Main Motor	Max Power: 20 HP; Max speed: 4000 rpm.
CR Control System	Capable to drive all SCV, PCV, ZME, IMV, actuators exists on today's CR pumps.
Control System	Win 7 operating system with Maktest Control Software.

### Required Utilities

Electric	380V AC 50/60 HZ 3 phase
Air Supply	min 6 bar

### Installation Requirement

380V AC - 3 ph 50/60 HZ
Fuse 80 A
Power Cable 4x10 mm <sup>2</sup>
Compressed Air min 6 bar. Dry and oil free.

### Delivered Accessories With This Product

AA3203	ADAPTER FLANGE SET
KO1467	COUPLING FOR SIEMENS CR PUMP
KO1353	COUPLING FOR BOSCH CP1
KO1356	DENSO HP3 FLANGE ADAPTER
MO1111	DELPHI PLUG FOR IMV
MO1112	BOSCH PLUG FOR CP1 PRESSURE REGULATOR
MO1113	BOSCH PLUG FOR CP3 ZME
MO1114	SIEMENS PLUG FOR IMV
MO1175	DENSO PLUG FOR SCV
BR1127	CR PUMP FEED HOSE
BR1142	OILING HOSE
BR1041	GEAR PUMP - HPO FUEL INLET HOSE
AP1689	CABLE FOR CP2 (including sensor cable)
KO1347.s	BOSCH CP2-DENSO HPO CR PUMP TEST KIT with SIMULATOR

### Optional Accessories and Tools Recommended

KO1475	Clean Bench for Electronic Injector Repair, Including Injector Clamp and Ultrasonic Cleaner
KO1560	Torque Wrench Digital
DE1382	Ultrasonic Cleaning Tank
KO1558	Hydraulic swiveling arm for disassemble



repairing the future..



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



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The Bench Dimensions:  
Width 1590 mm  
Depth 840 mm  
Height 1570 mm  
Weight 670 kg



Package Dimensions:  
Width 1880 mm  
Depth 1000 mm  
Height 1770 mm  
Weight 800 kg