DIESEL INJECTION TEST AND REPAIR SOLUTIONS



# TK1022

### COMMON RAIL INJECTOR AND MECHANIC INJECTOR TESTER

### TK1022 IS CREATED TO BE A MULTIPURPOSE ESTING SOLUTION FOR ALL TYPES OF INJECTORS; BOTH MECHANICAL AND COMMON RAIL



## Simple but Efficent, helps to create value.

TK1022 injectester CR Manual is a simple, hand operated test stand for initial testing of the common rail injectors.

#### It is designed to save time by checking return flow and spraypattern before actually starting a more complete test on TK1026 injectester CRb.

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Its simple and ergonomical design helps customers to perform fast and reliable tests on every model of common rail injector.

New touch panel display shows the instantenous pressure as a graph on the screen which allows to understand the pressure holding capability of the injector easily.



### FEATURES & BENEFITS

#### MULTIPURPOSE TEST EQUIPMENT

TK1022 is created to be a multipurpose testing solution for all types of injectors; both mechanical and Common Rail.

It can test 2-spring mechanical injectors with precision. First spring and second spring opening pressures are measured separately at two different settings.

#### **Common Rail Testing:**

- Flushing,
- Excessive return flow,
- Nozzle Condition; Blocked or Leaking,
- Spray pattern,
- Minimum spray pressure



#### **Mechanical Injectors:**

- Spray pattern,
- Opening pressure for traditional mechanical injectors,
- Opening pressure for 2 spring injectors, first and second spring separately.

#### Parameters

- Easy user interface allows to change
- Injection duration
- Injection speed
- -Max and Min Rail Pressure Limits using touch panel.

#### **VOP Measurement**

TK1022 allows to observe Valve-Opening-Pressure for CR Injectors with rail pressure limiting options.

#### EUI INJECTOR OPENING PRESSURE TESTING

With proper adapters, EUI injectors' Opening Pressure is tested just like a mechanical injector opening pressure.

#### INJECTOR CLAMBING AND SPRAY CHAMBER EXHAUST FILTERING

Injector clamping is simple and easy. Spacious injector spray chamber allows the user to observe spray pattern of both mechanical CR injectors.

Spray fumes are contained within the spray chamber and filtered before sending to exhaust.

TK1022 exhaust can be mounted to a air duct to convey the spray fumes outside of the working environment.

#### WHAT'S INCLUDED

WORKING PIPE	1
INJECTOR NIPPLE FOR DENSO	1
WASHER M6	16
BOLT M6x12	16
WHITE NUT M6	16
WHITE NUT M8	8
TABLE SHORT PROP	2
TABLE LONG PROP	2
POWER SUPPLY CABLE	1
INJECTOR CABLE - DELPHI	1
INJECTOR CABLE - BOSCH	1
INJECTOR CABLE - DENSO	1
FITTING 1/8-6	1
METAL FOOT	4
INJECTOR PIPE M12x1,5 - M12x1,5	1
INJECTOR PIPE M14x1,5 - M12x1,5	1
WASHER M8	8
FLEXI HOSE 350 MM 12/12 40x22x22CM	1
HIGH PRESSURE HOSE NIPPLE	1
MINI BALL VALVE R1/4"	1
R1/4" - 8 AUTOMATIC RECORD	1
HOSE PNEUMATIC 8X5 BLUE	1
INJECTESTER-CR CABLE TRUCKS	1

#### **Electrical Requirements:**

100-240 AC 50/60 Hz Universal Single Phase

#### STANDARD ACCESSORIES:

AA3292 INJECTESTER ARM COMPLETE AA3459 INJECTESTER-CR DENSO PIPE CONNECTION NIPPEL AP1892 POWER CABLE AP1638 INJECTESTER CR DELPHI INJECTOR CABLE AP1639 INJECTESTER-CR BOSCH INJECTOR CABLE AP1640 INJECTESTER-CR DENSO INJECTOR CABLE BA1581 FLEXI HOSE 350 MM 12/12 40x22x22CM AA3753 HP PIPE NIPPEL AP1648 INJECTESTER-CR INJECTOR CABLE

#### **TECHNICAL SPECIFICATIONS**

Test Oil Tank Volume : 3 L Used Interface : Touch Screen LCD Display Maximum Pressure : 600 bar Arm position : Left and right, configurable by user.

#### Machine Dimensions:

Width : 410 mm Depth : 690 mm Height : 1450 mm Weight : 65 kg **Packing Dimensions** 

Width : 450 mm Depth : 780 mm Height :1030 mm Weight : 77 kg

LEARN MORE: COMMON RAIL TESTING



#### 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.

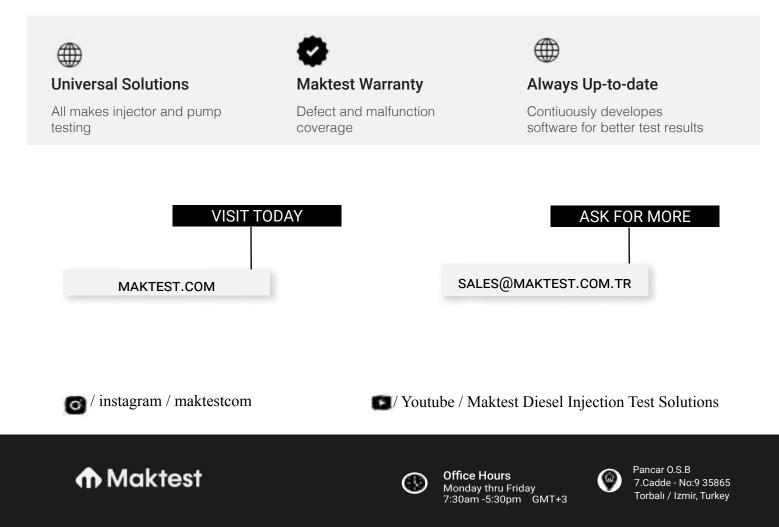


To get help from our technical support, simply contact us today. The expert technical team responds quickly to all service requests registered on the web page.



#### Reach To Dealer

Maktest is located in İzmir, 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.



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**TK1022** 

Maktest