

# TK1022

injectester

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manual

An easy solution for a big problem

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

Common Rail Injector and Mechanic Injector Test Equipment

**Independent  
solution provider  
for diesel  
injection problems**



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 spray pattern before actually putting it into a more complete test on TK1026 injectester CRb.

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 instantaneous pressure as a graph on the screen which allows to understand the pressure holding capability of the injector easily.

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.

Simple but Efficient,  
helps to create value

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, pumpester, injectester, unittester are Maktest products.

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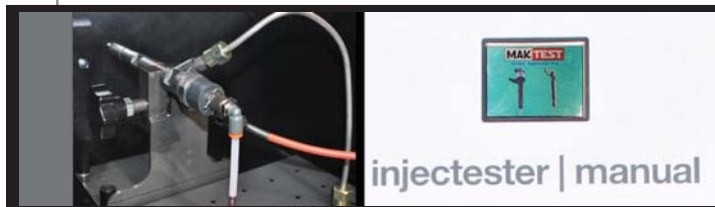
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### FEATURES

#### Functional



Touch panel display provides language free controls with self-explanatory symbols.

CR injector testing allows the operator to define min and max pressure levels for injection. The unique feature allows testing injection pattern at different pressure levels.

User also can change the injection duration and injection speed using touch panel.

#### Environmentally Friendly

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 duck to convey the spray fumes outside of the working environment.

#### What tests can you do with TK1022?



#### 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.

#### What do we see on the screen?

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#### Investment that Creates Value



TK1022 is not a complete solution for repairing Common Rail Injectors, but it is a part of a total solution. It helps user to identify the injectors with too much return or complete mechanical failure without spending too much time.

TK1022 saves precious time and effort that we need for more valuable things.

### 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.

### Required Utilities

Electricity Supply  
220VAC 50/60 Hz

### Included Accessories

2 test pipes - 4 test cables



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for diesel injection repair systems.



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The Bench Dimensions:  
Width 410 mm  
Depth 690 mm  
Height 1450 mm  
Weight 65 kg



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