



**Maktest** “Maktest Technology with Dizotester Quality”

*Since*1985

## MAKTEST

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**maktest.com**

# RT100 HIGH-PRESSURE PRECISION FOR RAIL COMPONENTS



## What Does the RT100 TEST BENCH Do?

**RT100** delivers accurate and repeatable testing of all common rail system parts.

Injector, rail block, safety valve and delivery valve tests can be performed on a single platform.

Provides reliable and repeatable results with precise pressure control system, electronic measurement and speed control.

### Who Uses It?

- Diesel injector service and maintenance workshops
- OEM and sub-industry manufacturers
- R&D centers

### Testable Systems and Components

- Common Rail Blocks (high pressure test, tightness)
- Rail Safety Valves (opening pressure, sealing)
- Pump Delivery Valves (leak test)
- CR Injectors (leak test)



Compatible Brands

- It can perform rail, delivery valve and safety valve tests of all brands.

User Benefits

- Save time with fast test cycles and automatic report generation
- Reduce error risk with optional barcode reader support
- Ensure reliable results at all times with the calibration menu
- Increase customer confidence with standardized and repeatable tests



Special Measurements

The safety valve accurately detects the opening pressure value

Main Features & Benefits

- Precise pressure control up to 2500 bar
- Automatic reporting (PDF / Excel) and optional barcode integration
- User-friendly software interface and customizable test plans
- Advanced safety equipment
- Compact design and easy maintenance

Software Interface, Test Plans, and Calibration Features

- Access to all test types from the main menu (Rail, Safety Valve, Delivery Valve, Injector)
- Test plan management: Create, edit, save new plans
- Calibration menu: Rail pressure sensor calibration, device communication test
- PDF reporting: Company logo and information can be added

Functions & Testing Capacities

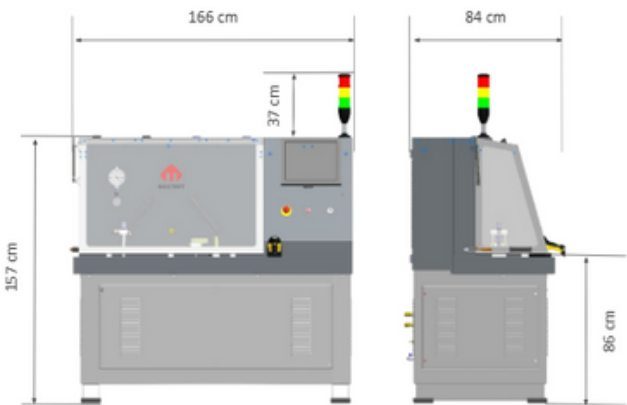
- Pressure range: max. 2500 bar
- Temperature control Stable operation with ISO 4113 test oil
- Automatic filling and ventilation time setting
- Leakage measurement time and tolerance values can be set
- Possibility of repeated testing

Update Process: Manual  
Warranty Period:1 year

Optional Accessories

3-color Led Lamp, Barcode Scanner, Glycerin Manometer

Dimensions



Technical Specifications

Power	3 Phase Connection: 380 VAC
Dimensions	Length: 166 cm Depth:84 cm Height:157 cm
Calibration Fluid	ISO4113 Certificated test Oil
Test Fluid Tank Capacity	65 Liter

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## WE ARE YOUR PARTNERSHIP

### RELIABLE DIESEL TESTING AND REPAIR SOLUTIONS

#### SINCE 1985

Maktest is a leading manufacturer of diesel injector and pump testing and repair equipment since 1985.

With a strong engineering background and global experience, Maktest offers a wide range of test benches and service tools for Common Rail, HEUI, EUI/EUP, and mechanical systems.

Trusted by service workshops and OEM suppliers in over 80 countries, we are committed to delivering precision, reliability, and long-term support to the diesel aftermarket.

We embrace an approach that understands the needs of diesel professionals and helps them make the most suitable and sustainable investment decisions.

- Design & Engineering
- Spare Parts | Adaptors | Tool Sets
- Training
- Technical Support

Target sectors: Service shops, Injector repair and reconditioning, OEM suppliers, rail, construction, public vehicle fleets

## Hundreds of Our Benches Have Been Operating Worldwide for Years

We have hundreds of Dizotester and Maktest branded test benches worldwide. We have been producing solutions according to the needs of our customers in cooperation with our dealers for years.

## Sustainable Equipment, Technical Support, and Training Assurance

We care about providing permanent and long-lasting solutions. We provide technical equipment, software update and training support to our customers for years.

## Maktest is also a specialized company that produces your special needs ( projects)

With its team specialized in precision measurements in fuel systems, it designs and produces projects in accordance with the special requests of our customers.

Provides technical equipment and training support. It is your reliable business partner that produces solutions that will put you ahead of the competition.



### CR TESTING

TK1029 – Heavy Duty CR Injector Test Bench  
TK1026 – Common Rail Injector Test Bench  
TK1035 - CR Pump Test Bench  
TK1022- Injector CR Manual  
NV2001 – Nozzle Valve Tester  
RT100 - High-Pressure Precision for Rail Components

NEW

### EUI & EUP TESTING

UTS1004 EUI&EUP Test Bench  
DELPHI F2 TEST KIT  
KO2039 / UTS1004

### HEUI TESTING

TK2024 Hydraulic Electronic Injector Tester

### MECHANICAL TESTING

PT2012B – Mechanical Pump Test Bench  
PT2012CRE – Common Rail Pump Test Bench

### REPAIR SOLUTIONS

KO4000 Computer Aided Assembly System  
SM400 Adjustment Shim Grouping Center  
A4000 Computer-Aided Repair System

### Simulators & Training Devices

### Tool Set & Adaptors

