



## DIESEL INJECTOR SERVICE UNIT

FOR ALL TYPES OF COMMON RAIL &  
CONVENTIONAL DIESEL INJECTORS

CTU - 1100e

### SERVICE BENEFITS

- Diagnose Mechanical Operation Performance
- Diagnose Electrical Coil Condition
- Measure Back-Leak Quantity
- Diagnose Spray Pattern Performance
- Check for Correct [NOP] Nozzle Opening Pressure
- Service Mechanical Failures
- Clean Carbon Deposits
- Repair Clogged Injectors
- Recondition Injector Nozzles





## FEATURES:

### SPRAY PATTERN TESTING

Illuminated spray test tube with ultra high intensity LED lighting that aids the visibility of the atomization and spray pattern of diesel injectors.

Ultra high vacuum port cleans the accumulated fluid fumes from the spray test tube and provides a vivid sight of the injector spray pattern.

The heated injector holder promotes the simulation of realistic operating conditions.

### VOLUMETRIC TESTING

Volumetric Test tubes to measure the injected and the returned (back-leak) fluid quantity of the injector. A special nozzle adapter is used to precisely measure the sprayed quantity.

### HEATED DETERGENT CLEANING

A specially formulated detergent activates the inert carbon molecules, resins, dust, varnish and gums that accumulate inside the diesel injector.

Heating function works as a catalyst to boost the efficiency of the detergent hence, optimize the cleaning of the injector. An adapter is used while treating the diesel injectors in order to avoid detergent fumes & odors.

### ULTRASONIC CLEANING

New Generation of ultrasonic baths are used for the optimum cleaning of all kinds of deposits, varnishes and gums built-up on the injectors and other parts of the engine. Revolutionary technologies are incorporated in these units, such as "Degas" function to better prepare the cleaning solution and the "Sweep" function [33-40KHz] to boost the power of the ultrasonic waves throughout the injectors.



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### CONTROL PANEL

- A user-friendly menu with built-in operating instructions (step-by-step), useful information, explanations and diagnosis.
- Fully programmable (CPU) control panel for future updates and for test-plans.
- Electrical coil diagnosis ( $\Omega$ ).
- Automatic draining of the test/flow tubes.
- Dynamic engine running simulator.
- Easy Access Function Buttons.
- Fast Injector Mount for all types of Diesel injectors.
- Capability to program rpm, ms, time, pulses, Open V, Open & Hold A.
- Inject. pressure 0-1000 bar.

### PORTABLE STAND

#### (OPTIONAL)

An ergonomically designed and stylish Portable Stand for the **DIESEL TECH** units, that includes a cabinet to keep all the components in one place.

### CONSUMABLE FLUIDS

- Specifically engineered and formulated diesel testing fluid and ultrasonic cleaning solvent are provided for the **DIESEL TECH** machines. An advanced detergent is used to de-carbonize the internals of the diesel injectors.



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