

K DIESEL

Fuel Injections Solutions



**EXPERIENCE
& MODERN
TECHNOLOGY**

"THE MASTER FOR THE REPAIR OF HEUI INJECTORS"

Hdraulic Unit Injector technology has **developed and progressed since ever**. Many years went by and workshops are still struggling to establish an efficient way to test and repair HEUI injectors and stay profitable. Each year is increasingly difficult. The injectors are becoming more complex and the repair takes more time. More knowledge and capacity is needed. We have no other option but to **focus on the creation of increasingly advanced equipment**.

Our HEUI Tester focuses on **ease of use** at every stage so that every technician, who is new to HEUI technology, can effectively test these injectors, as well as having more advanced settings available **ready to progress as the workshop evolves**. Our engineering department has designed it with respect to the developments in HEUI technology. This test bench is automatic and thank to the computerized controls, it presents the **flexibility to adapt** to all the possible changes in future. When testing an injector the technician has the ability to auto-run a full test cycle, manually select single steps, skip tests' step, or ask that test stops in case of an injector's error fail.

PERFORMANCES

- Injection quantity measurement at:
 - ▶ Minimum Load
 - ▶ Maximum Load
 - ▶ Leak Test of Poppet Valve
- Diagnose Electrical Coil Conditions (Graphic Display)
- Final or intermediary report
- Response Time Detection (optional)

APPLICATIONS



- ▶ Passenger cars
- ▶ Heavy Duty
- ▶ Marines
- ▶ Industrial Equipment

DATABASE



- ▶ OE&KD customizing all makes
- ▶ Ability to create and store customized Test Plans through Test Plan Creator function
- ▶ Continuously updated data
- ▶ NAVISTAR DT444E 7.3L
- ▶ NAVISTAR DT444E 7.6L
- ▶ NAVISTAR DT530E 8.7L
- ▶ CATERPILLAR 3126A 7.2L
- ▶ CATERPILLAR 3126B 7.2L
- ▶ CATERPILLAR C7 7.2L
- ▶ CATERPILLAR C9 8.8L

IT CHARACTERISTICS



- ▶ Smarter HEUI software "on board"
- ▶ Intuitive, interactive & multilingual MENU
- ▶ High Performance tablet 10,1"
- ▶ Microsoft Window 10
- ▶ WI-FI, Bluetooth connection and microSD, HDMI
- ▶ Teamviewer, Skype & Whatsapp Support & Assistance

MEASURING SYSTEM



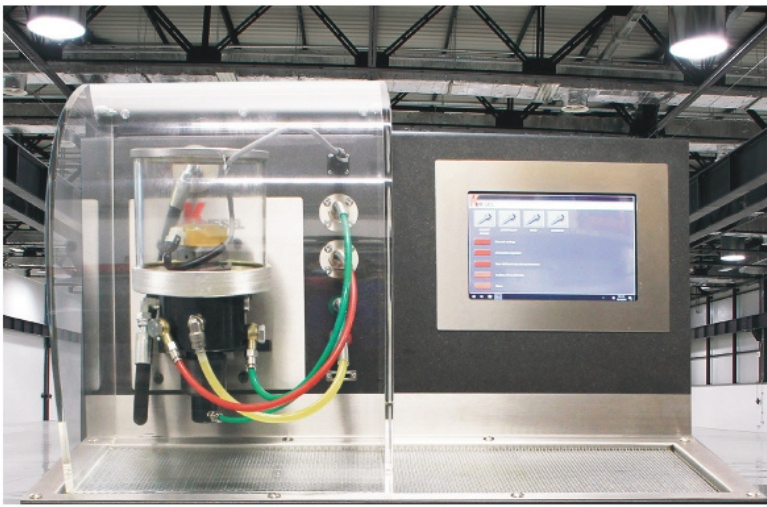
- ▶ Electronic quantity measurement
- ▶ Accurate measuring technology
- ▶ Volume metering in mm³/pulse
- ▶ Measurement system with 1% tolerance repeatability

K DIESEL

Fuel Injections Solutions

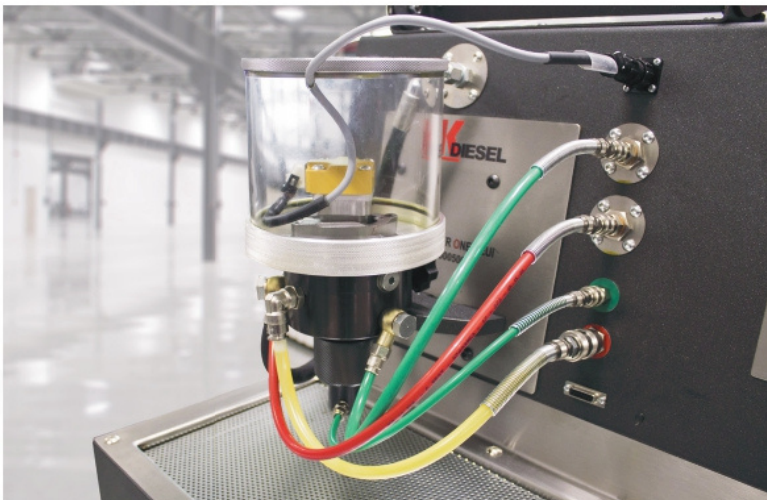
INCLUDED ACCESSORIES

- 0003720 Adapter for injector HEUI CAT C7 - C9
- 0003721 Adapter for injector HEUI CAT (Ø 7 - Ø 8.5)
- 000371009 Protective covering glass



OPTIONAL ACCESSORIES

- 0004031 Adaptor PIEZO



ELECTRICAL DATA



- ▶ 220/400 VAC Three Phase; 50/60 Hz
- ▶ Power 7,5 kVA



0,5 m³



840 mm



800 mm



755 mm



170 kg

Testing HEUI injectors is a mess. Once they are out of the engine a lot of fluid being sprayed out during testing and can be problematic to control.

Our tester, thanks to the Plexiglass protection and our special adapter direct down the testing fluid to the bottom of the testing chamber which flows directly back into the tank.

Our adapters make HEUI testing clean, easy and safe for the workshop and no wasted fluid.

Sleeve adapters for various HEUI injectors are designed to arrange faster set-up for testing.

These features permits to have just a tank of 22 L.

Accuracy in HEUI testing, highly depends on effective temperature control and injector's driven technology.

HEUI Tester has the capacity to control best the temperature avoiding expensive water cooling systems. The perfect temperature control, ensures and administres prolonged testing time during the working hours per day.

“At your side
for infinite possibilities.”

FEATURES

- ▶ Quick - clamp (1 minute), ergonomic, robust & simple
- ▶ Protective Cover in Plexiglass
- ▶ Pulse width: 50 - 12000 μ s
- ▶ Oil Test Tank capacity 22 Lt
- ▶ Pressure generated by CP3 pump
- ▶ Work program selection: Automatic/Semiautomatic/Manual/Mix
- ▶ Printing Report with Reference Values easy to understand
- ▶ Integrated cooling system - Water free
- ▶ Immediate engine shutdown if cover is opened
- ▶ Filtration Capacity until 5 μ
- ▶ Intensifier Pressure Control Active Range - from 20 to 300 Bar (pressure is measured digitally and displayed in the screen of tablet)
- ▶ Injected Fuel Pressure Control: 3 bar fixed (pressure is measured digitally and displayed in the screen of tablet)