




HUIR-S

**HEAVY DUTY SOLUTIONS
EUI/EUP & HEUI SYSTEMS**

Diesel Injection Systems

Innovative, compact and professional
solutions for every workshop to test
& service Diesel Injection Systems



2 Heavy Duty Solutions EUI/EUP & HEUI Systems

Standalone pneumatically actuated units for servicing all Makes & Types of Unit Injection Systems is made easy not only for Diesel Specialists, but also for every workshop.

HUIR-S





HUIR-S

Standalone Test Bench for 1 HEUI Diesel Injector
up to 300Bar Solenoid & Dual-Solenoid actuators

Electronic Static Mass Measurement (DFAP)
Resolution: 0.1mm³, Acc: 0.6%FS

Workshop and Diesel Specialist level of Diagnosis

Semi-Automatic Operation

10min testing phase

8" Touchscreen HMI

VDO/Bosch/Denso Piezo
Stack Regeneration function

CGL: VDO Automatic
Valve Lift Gap Measurement

Blue Limits Diagnosis



Tests Performed

R2LC

Electrical actuator test for $k\Omega/\mu F$, $\Omega/\mu H$

CFL

Check For Leaks test (injector internal or external)

RSP

Injector nozzle Response-time test

iVM (FL, PL, EM, LL, PI)

Injector Volume Measuring test (min 15-steps)
(full-load, part-load, emissions, low-load,
pre/post-injection tests and more...)

BIP [UIPR]

Injector Control Valve Response time test

SPR

Dynamic Spray test performed in all testing
conditions

Features

iPSC

Illuminated Pressurized spray chamber

View of injection pattern up to 2500Bar

Visually diagnose NOP, incorrect spraying, leaky
/seized injectors

Easy

Adjustable Cam stroke 4-20mm with the use of variable
wheel [UIPR]

RSP/BIP

RSP Sensor adaptable to all Nozzles

BIP Sensor adaptable to most Control Valves [UIPR]

Precise measurement of C.V. & Nozzle actuation
delay from signal

Easily diagnose a slow acting injector, a retarded injection
event, poor engine performance and emissions issues.

AZO Software

Advanced Android based HMI/PC

Wi-Fi printing, sharing, syncing, software/hardware
& database updating, via USB or WiFi

Real-time Oscilloscope and CSV data export

TeamViewer Support and more...

Reports

Easy fail-track color report for each injector.

Single-page Quick report or Multi-page
Analytic reporting

Specifications

All Makes CZ & User Database

Developer and OE customizing

Pneumatic operated unit
(Test Bench NOT required)

Fast mounting and dismounting
of Unit injector/pump

Hydraulic system control & indication
(30-300 Bar / 40-4350 psi) [HUIR]

Low supply automatic
pressure control (10Bar)

Piezo & Solenoid programmable
actuation profiles
(HV: 0-300 Volts / 0-35A)

Injector & PCB protection circuit
(StG, StB, SC, OC, IC)

Multiple Injections capability

User friendly, ergonomic,
dynamic & robust design

Spill-free hose quick connectors

aMACC – Automatic chemical
treatment and flushing of the injector
before testing*





CARBON ZAPP

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