

## GS4 / GS8

### Gasoline System Test Bench

**The efficient, cost-effective and proven workshop solution to bench test and service every gasoline fuel injector**

#### Systems Tested

Solenoid Direct Injectors (G-Di, FSI...)  
 Multi-Port Fuel Injectors (MPFi / SPFi)  
 Racing Application Injectors\*  
 Central-Port Fuel Injectors (CSFI / CPFi)  
 Throttle Body Injectors (TBI / CFI)  
 Continuous Injection Injectors (K-Jetronic),  
 Marines Application Injectors (E-TEC / FICHT)  
 Motorcycle Application Injectors (Racing\*)  
 LPG & Alternative fuels Injectors



Ultrasonic Cleaning  
 Baths Available at sizes up to 120L\*  
 featuring: 42KHz frequency  
 Sweep technology\*  
 Degas function\*,  
 Controlled Heater and more...



Bench for Testing & Ultrasonic Cleaning up to 8 Fuel Injectors

Fully Automatic Function  
 Electronic Pressure Control 0-10Bar  
 Racing Injectors Capable\*  
 Dynamic & Static iVM  
 Auto-iRF function  
 Injector Leak Test function  
 User-Friendly Design  
 Language Localization



Bench for Testing & Ultrasonic Cleaning up to 4 Fuel Injectors

## Features

### iVM: Injection Volume Metering

Precise graduated led illuminated tubes are used for efficient diagnosis of uneven flow rates and weak or defective nozzle springs. Automatic drainage after each test resolution 1ml, accuracy ±1ml/130ml

### iSPC

Illuminated Spray Pattern Chamber used for visual diagnosis of correct injection

### iRF

Injector Reverse Flush Device used to remove all dirt remained inside injector body after cleaning with the use of Ultrasonics

### eRSO

Electrical Resistance, Short Circuit & Open Circuit Test

### 0-10 Bar

Testing Capability of All Types of Injectors up to 10Bars Maximum.

GD Units are available for High Pressure Direct Injectors up to 1200Bars

### Service & Repair

Increased exhaust emissions

Reduced engine performance (Power, Torque)

Increased fuel consumption

Poor drive-ability situations

Direct injection systems failure (Leaks, Pressure drop)

Rough idle and periodic stall of the engine

Conditions that lead to long-term catalytic converter damage

Extended engine start-up MIL - check engine light-up

## WORKSHOPS

CRDi

EUI/EUP

HEUi

CRP

ENGINE

GDi

EFi

GDi Pumps

## GS8 / GS4 Technical Data

		GS8	GS4
	Part Number	(CZ-008350)	(CZ-008347)
	Standalone Add-On	● -	● -
TYPE	Test Bench Service / Diagnostic Unit	● -	● -
USER LEVEL	Diesel / Gasoline Specialists Workshop / Garage Test Slots [injectors / Pumps]	○ ● [8/ -]	○ ● [4/ -]
SYSTEMS / [TESTING MINUTES]	CRDi / Smart Injectors [ 1 / 4 ] GDi Injectors [ 1 / 4 ] Gasoline Injectors [ 1 / 4 ] LPG / CNG Injectors [ 1 / 4 ]	- ● ● ●	- ● ● ●
APPLICATIONS	Passenger Car / HEV / PHEV Motorcycles Racing (Gasoline) Light Duty Medium Duty Marine	● ● ● - - □	● ● ● - - □
MEASUREMENT SENSORS	XKM BK Volumetric Tubes	- - 8	- - 4
SYSTEM PRESSURE	Max (BAR) Source Spray Chamber Mains Power 50/60Hz /1-Phase 100-250VAC Mains Power 50/60Hz /3-Phase/PE 380-480VAC Tank Capacity [testing / flushing] HMI (Inches) Touchscreen Protective Cover Calibration Oils Ultrasonic Bath	10 ELECTR. PUMP ● ● - [4 / -] LCD - - ○ ●	10 ELECTR. PUMP ● ● - [4 / -] LCD - - ○ ●
PACKAGING	Width (mm) Depth (mm) Height (mm) Weight (kg)	660 770 800 52	500 440 680 39

**MEASUREMENT SENSORS**  
XKM (Dynamic Meas. Sensor): High Accuracy: ± 0.1%, Exceptional Repeatability ±0.05%, Measur. Range: 1-1000ml/min  
Volumetric Tubes (Static Analog Measurement): Accuracy: 1ml, Measurement range: 0.5-65ml

**APPLICATIONS**  
Passenger Car/ Motorcycles: Volumes up to 120mm<sup>3</sup>/H  
Light Duty: Volumes up to 200mm<sup>3</sup>/H  
Medium Duty: Volumes up to 300mm<sup>3</sup>/H  
Heavy Duty: Volumes up to 650mm<sup>3</sup>/H  
Marines: Volumes up to 1500mm<sup>3</sup>/H

**EXPLANATIONS**  
● : Capable / Standard Equipped  
□ : Capable / Optionals required  
○ : Optional  
- : N/A

**PRESSURE SOURCES**  
Air: Air Driven High Pressure Pump  
Motor: Motor Driven High Pressure CR Pump  
External: Pressure coming from another Test Bench or external source  
Electr. Pump: Fuel Injection system or Industrial Application  
Electrical Pump 12VDC  
- : No Pressure Source



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