



GS4 / GS8

Gasoline System
Test Bench



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

GS8



GS4



INNOVATION DRIVEN



**Engineering Forward
Mobility Solutions!**

GS4 / GS8

Gasoline System
Test Bench



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

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



Bench for Testing & Ultrasonic Cleaning up to 8 Fuel Injectors



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



- 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

*: Optional Upgrade



WORKSHOPS

CRDi - EUi/EUP - HEUi - CRP
ENGINE - **GDi - EFi** - GDi Pumps

→ 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.

GDi Advanced 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

GS4/GS8 → Technical Data

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

→

- : Capable / Standard Equipped
- : Capable / Optionals required
- : Optional
- : N/A

PRESSURE SOURCES
Electr Pump: Fuel Injection system or Industrial Application Electrical Pump 12VDC

MEASUREMENT SENSORS
Volumetric Tubes [Static Androg Measurement]; Accuracy: 1ml, Measurement range: 0.5-65ml

APPLICATIONS
Passenger Car/ Motorcycles: Volumes up to 120mm³/H
Light Duty: Volumes up to 200mm³/H



**VIEW CZ Digital
Product Catalog**



Headquarters & Production

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