

GDU4R //X

Gasoline System
Test Bench

CloudX

The professional solution
for workshops to test
& service Gasoline Direct
Injection Systems.



INNOVATION DRIVEN



**Engineering Forward
Mobility Solutions!**

GDU4R //X

Gasoline System
Test Bench

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650 Bar

4 GDi Injectors Capable

The professional solution for workshops to test & service Gasoline Direct Injection Systems.

Overview of the GDU.4R-X

Precise & repeatable Gasoline Injectors Testing

[4] Injectors Testing & Coding*

- 20 minutes testing and coding* time for 4 injectors
- GDi injectors (All Brands and Types)
- Conventional Gasoline EFi Injectors
- Capable for all EU6 technologies
- Coding Capable for all Types of GDi's (Energy Controlled or Volume Metering types)
- Flushing and Servicing options for GDi injectors



*New database and Coding is continuously being updated to new EU6 applications



SPECIALISTS

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

A Revolution in GDi Test Benches



Gasoline Direct Injection (GDi) requires high pressure testing to truly diagnose injector operation faults.





→ Features

Controls all Types and Makes of Injectors. Includes OEM Database and Test Plans

Low Pressure Testing for Conventional MPFi or Racing application Injectors 0-10Bar

Controls NEW Generation High Pressure GDi with multiple Step Current profiles

LPG for Heavy Duty Applications (Trucks, Commercial Vehicles)

Continental / Siemens GDi injectors (EU5) testing only with approved Energy Control

Nozzle reaction time measurement for all systems via RSP sensor

Efficient Working Area with Protective Hood fully opening

The fastest and easiest clamping of injectors in the market

Fully Automatic and fast testing phase through a 10" Touchscreen HMI with AZO software

GDi Piezo Stack Regeneration function. The only way to correct GDi Piezo injectors after Cleaning them internally and reverse flushing them

Reverse flushing adapter and function with 25Bar pressure

Blue Limits Diagnosis for Specialists

Dynamic Electronic Mass (BK) Measurement

Prepared for Future Injector Coding

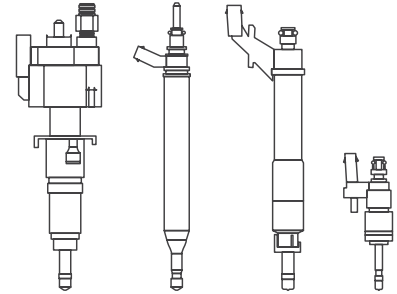
Emergency Safety Stop function

SPECIALISTS

AZO SOFTWARE



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



EU3 > EU6 Technologies

GDU4R **///X** → SPECIFICATIONS

DESCRIPTION		UNIT	GDU.4R(X) (CZ-008726)
Machine Dimensions	Length	mm	620
	Width	mm	780
	Height	mm	740
Weight		kg	59
HMI	Tablet Touchscreen	Inches	10
Internet Update	WiFi / Ethernet	-	YES / YES
Pressure Source	Type	Air Driven High Pressure Pump	
Test Oil	Type	(GxL-ISO) Calibration Oil	
Test Oil Tank	Capacity	Liters	4
Max Pressure	Pressure	Bar	650
Max RPM	Max Revolutions Per Minute	RPM	-
Max Pumps	Pumps Test	Slots	-
Max Injectors	Test Injectors	Slots	4
HP Pump	High Pressure Pump	Type	Pneumatic Pump
LP Pump	Supply Pressure	Bar	-
	Pressure	Bar	6.5-10
	Air Tank Capacity	Lt	250
Air Supply	Air Flow	Lt/ Min	400
	Min Diameter at Air Supply Hose	mm	8
	Air	Type	Water / Oil FREE
Main Power Supply	Phases	Number	1
		TYPE	1P+N
	Voltage	VAC	100 - 240
	Frequency	Hz	50/60
	Current	Ampere	5
	Max Consumption	kVA (100V/240V)	0.5 / 1.2
Operating Temperature	Min / Max Room Temperature	Celsius	6 / 35
IVM Sensors	Measurement Sensors	Type / Quantity	BK Coriolis / 1 *

→

: N/A
PRESSURE SOURCES
 Air: Air Driven High Pressure Pump
 Electr Pump: Fuel Injection system or Industrial Application Electrical Pump 12VDC
MEASUREMENT SENSORS
 XKM | Dynamic Meas. Sensor | High Accuracy: ± 0.1%, Exceptional Repeatability: ±0.05%, Measur. Range: 1-10000ml/min
 Passenger Car/ Motorcycles: Volumes up to 200mm³/H
 Light Duty: Volumes up to 200mm³/H



CloudX is Carbon Zapp IoT Cloud computing Platform.

**Powerful innovations at your fingertips
with CZ CloudX computing Platform**

CZ CloudX computing technology Platform as a service (PaaS) is a complete environment in the cloud, with resources that enable clients the full control of their Bench with cloud based Apps access them over a secure Internet connection. With middleware, development tools, business intelligence (BI) services, database management systems and more.

CloudX allows clients to access live online updates of database, remote operation and status report of their bench. Generate remote reports for handling, printing, filling and organizing from machine database. Instant activation of features on a pay-as-you-go basis. Multiple machines management support. Complete machine cloud back-up and instant trouble shooting via X-Connect directly from CZ factory. Receive notifications on your smart devices for machine maintenance tasks like Oils, Filters, Service, and more.

Explore today new powerful innovations at your fingertips with CZ CloudX computing Platform.

CloudX Features



IoT Cloud Platform Industry 4.0

Remote Operation and Status Report of Client Bench

Generating remote reports for handling, printing, filing and organizing from machine database

Multiple machines management

Instant Activation of Features on a pay-as-you-go basis

Notifications on Client smart devices for machine maintenance tasks like Oils, Filters, Service, and more

Complete machine cloud back-up

Instant troubleshooting via CX-Connex directly from CZ Factory

Live Online Updates of Database and supporting new requests from clients

EXPANDING CAPABILITIES



Space saving, accessory organizers for everyday tasks. Increased productivity and uncluttered space.



Extras



MTBR-X & PTBR-X



01.
Desk & Harness Shelf

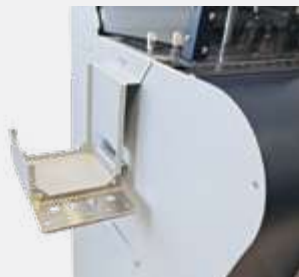


02.
Hydraulic Hose Side Panel
Pocket with Drain

Ultrasonic Shelf



for GTBR-X,
ITBR-X, HTBR-X





**Carbon Zapp Trolley
Fully Configured Setup**



/// CZ Base Trolley



**/// Hose & Harness
Side Organizer**
(max. 2 pcs per trolley)

Carbon Zapp Trolley



Ideal workshop organizer to fit most parts of the machine like harnesses, hoses, adapters, tools and flanges. Can be easily transformed to a Cambox and/or pump rack for easy transfer and storing.



**/// CRp Flange Drawer
Organizer**
(max. 1 pc per trolley)



**/// Cambox/Pump
Transfer Rack**
(max. 2 pcs per trolley)





**VIEW CZ Digital
Product Catalog**



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