



**CARBON
ZAPP**

G2, 35

GDR //X

Gasoline Direct Injector
Test Bench

CloudX

The Affordable Gasoline
GDi Workshop Solution
to diagnose and service
faults for All Makes.



INNOVATION DRIVEN



**Engineering Forward
Mobility Solutions!**

GDR *X*

Gasoline Direct Injector
Test Bench

The Affordable Gasoline
GDi Workshop Solution
to diagnose and service
faults for All Makes.

Overview of the New GDR-X

**Fast, Accurate and Reliable Gasoline
GDi Injector Testing**

[1] Injector Testing

5-7 minutes testing time per injector

- GDi (All Brands and Types)
- Capable for all EU6 technologies
- Capable for GDi Piezo
(with Energy Controlled Signal)



450 Bar

**Standalone Air-Operated
Gasoline GDi Test**

→ Features

- Xtremely Fast Testing Times without any Compromise
- New Design for every Service Station
- Optimized Working Area
- Pressurized Reverse Flush for Injectors
- Optimized Actuation Software for Ultrasonic Cleaning
- CloudX Capabilities
- IoT Cloud computing Platform - Industry 4.0 Compliant
- Live Response Time Measurement at every test plan
- Adaptability for every type of Gasoline GDi's in the market (optional)
- Ergonomic, Fast and Easy Injector Clamping device to minimize mounting times.
- Continuous Database updates and new Software capabilities to meet the market needs.
- Android Powered 10" HMI with unlimited flexibility and connectivity competencies.

*New database is continuously being updated to new EU6 applications



WORKSHOPS

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

GDR //X → SPECIFICATIONS

	DESCRIPTION	UNIT	GDR//X (CZ-007094)
Machine Dimensions	Length	mm	510
	Width	mm	780
	Height	mm	780
Weight		kg	46
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	450
Max RPM	Max Revolutions Per Minute	RPM	-
Max Pumps	Pumps Test	Slots	-
Max Injectors	Test Injectors	Slots	1
HP Pump	High Pressure Pump	Type	Pneumatic Pump
LP Pump	Supply Pressure	Bar	-
	Pressure	Bar	6 - 8
	Air Tank Capacity	Lt	200
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	XKM / 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-f: High Accuracy ± 0.1%, Exceptional Repeatability ±0.05%, Measur. Range: 1-1000ml/min
APPLICATIONS
 Passenger Car/ Motorcycles: Volumes up to 120mm³/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

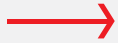
EXPANDING CAPABILITIES



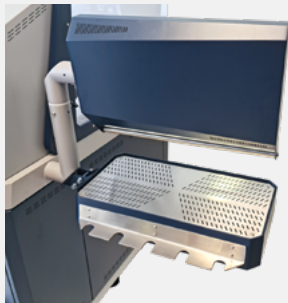
Space saving, accessory organizers for everyday tasks. Increased productivity and uncluttered space.



Extras



MTBR-X & PTBR-X



01.
Desk & Harness Shelf

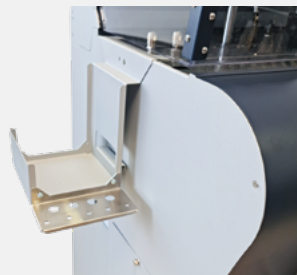


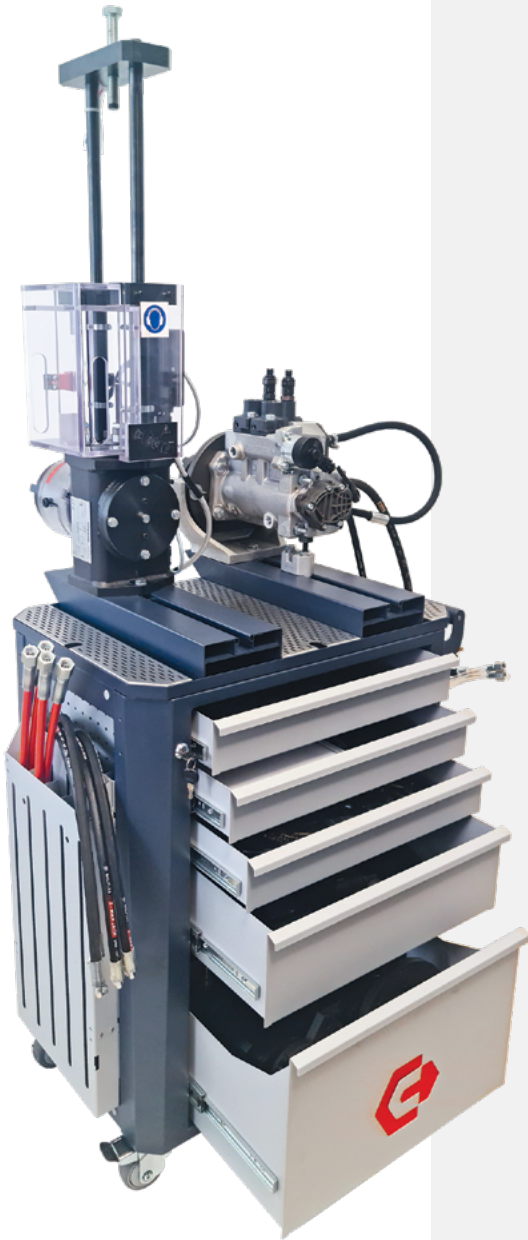
02.
Hydraulic Hose Side Panel
Pocket with Drain

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**



Headquarters & Production

New Address

Isiodou 18 (Industrial Park)
194 00 Koropi, Attica-Greece

German Branch

A.I.S. GmbH
75438 Knittlingen, Germany

email contact@carbonzapp.com

tel +30 210 9856110

fax +30 210 9928655

carbonzapp.com