CARBON ZAPP

DGFr X

Diesel System Test Bench

CloudX

Diesel CRDi & Gasoline GDi Flushing Bench. Flushing / Cleaning and Servicing bench for up to 4 injectors.

INNOVATION DRIVEN

→

**Engineering Forward
Mobility Solutions!**

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DGFr ⫽X

Diesel System Test Bench

Authorized
Solution for
Continental/VDO

Ⓒntinental⅄

CloudX

Diesel CRDi & Gasoline GDi Flushing Bench. Flushing / Cleaning and Servicing bench for up to 4 injectors.

⟶ Features

A Continental/VDO Proposed Flushing Bench

Xtremely Fast Flushing Times

New Design for every Service Station

Optimized Working Area to reduce Injector Set-up Times

1000Bar Operating Pressure

EU6 Systems Capable

CloudX Capabilities

Off-Highways CR applications operation (John Deere, Komatsu, Hino, Isuzu)

Cummins XPI, Caterpillar-Perkins C4/C6 and other Medium-Duty operation

⟶ Diesel CRDi/Gasoline GDi Injector Flushing Bench

Ergonomic, Fast and Easy Injector Clamping device to minimize mounting times.

Fully Adjustable height for all types of CRDi / GDi injectors.

Utilizes a spring-loaded injector holder to ease the operation of the user.

Advanced self air-cooling system to optimize long term nonstop operation at all environmental conditions.

Adaptability for every type of Diesel Injectors in the market

Android Powered 10' HMI with unlimited flexibility and connectivity competencies.

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

SPAR

Diesel System Test Bench

CZ Piezo Stack Filler, Air remover and Stack Activator is the only automatic solution to assure optimum servicing and operation of Piezo injectors today after being serviced by Diesel Specialists.

Automatic and easy operation for 4 Piezo injectors at once

Connects directly at the return port (backleak)

Only needs single phase 100-250Vac

Lightweight and portable solution

Connects to any Carbon Zapp Test Bench

High Flow Vacuum Power 10KPa and Pressure of 100KPa

Automatic Start / Stop function with specific Test Plans

Adaptability to all types of Piezo injectors

SPECIALISTS

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

DGFR X → SPECIFICATIONS

	DESCRIPTION	UNIT	DGFR-X (CZ-007091)
Machine Dimensions	Length	mm	510
	Width	mm	780
	Height	mm	780
Weight		kg	66
HMI	Tablet Touchscreen	Inches	10
Internet Update	WiFi / Ethernet	-	YES / YES
Pressure Source	Type		Air Driven High Pressure Pump
Test Oil	Type		(DxL-ISO) ISO4113 Calibration Oil
Test Oil Tank	Capacity	Liters	4
Flush Tank	Capacity	Liters	4
Max Pressure	Pressure	Bar	1000
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	-
Air Supply	Pressure	Bar	6 - 8
	Air Tank Capacity	Lt	200
	Air Flow	Lt/ Min	300
	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	-

PRESSURE SOURCES
Air: Air Driven High Pressure Pump
APPLICATIONS
Passenger Car/ Motorcycles: Volumes up to 120mm3/H
Light Duty: Volumes up to 200mm3/H
Medium Duty: Volumes up to 300mm3/H
Heavy Duty: Volumes up to 650mm3/H

CARBON ZAPP

CloudX ™
CARBON ZAPP TECHNOLOGY

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 enviroment 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

1

2
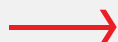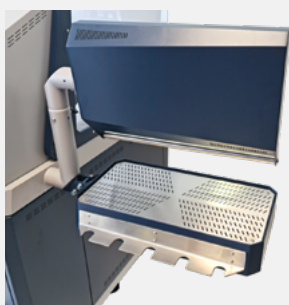
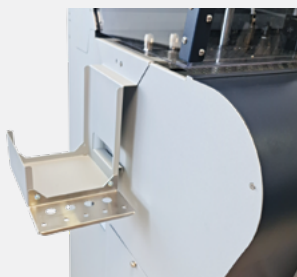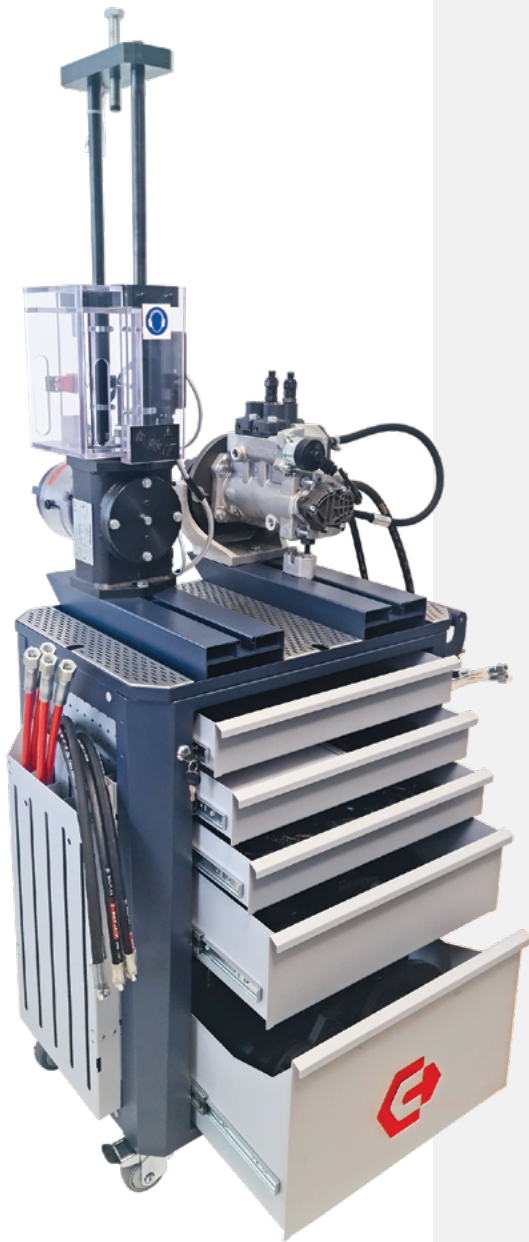CARBON ZAPP

01.
Desk & Harness Shelf

02.
Hydraulic Hose Side Panel Pocket with Drain
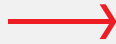
Ultrasonic Shelf

for GTBr-X, ITBr-X, HTBr-X

CZ Base Trolley

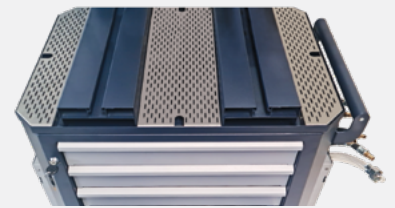**Hose & Harness Side Organizer**
(max. 2 pcs per trolley)

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)

Carbon Zapp Trolley
Fully Configured Setup

SCAN ME

**VIEW CZ Digital
Product Catalog**

**CARBON
ZAPP**