

ES //X / EP //X

Complete Engine Service Unit

CloudX

Diesel & Gasoline Engine De-Carbonizing Unit.
DPF & Intake Manifold Treatment Unit.



INNOVATION DRIVEN



**Engineering Forward
Mobility Solutions!**

ES //X / EP //X

Complete Engine Service Unit

Diesel & Gasoline Engine De-Carbonizing Unit. DPF & Intake Manifold Treatment Unit.



Systems

Common-Rail and Conventional Diesels

Gasoline Direct Injection (G-Di, FSI, HPI, CGI etc.)

Conventional Fuel Injection (MPFI / TBI / CIS)

LPG and Alternative fuels

Carburated Engines



→ Benefits

- Exhaust emissions reduction more than 70%
- De-Carbonization of the combustion chamber
- De-Carbonization of the catalytic converter
- De-Carbonizing of Intake Manifold and throttle body
- DPF Cleaning without disassembling
- Maximum restoration of engine's performance
- Reduction of fuel consumption
- Optimum fuel combustion gain
- Blocked valves and piston rings release
- Improved idle-speed stability
- Fading of engine knocking
- Prevention of long-term expensive repairs

→ Features

- Common-Rail system cleaning
- High Pressure pump conditioning
- User-Friendly, On-Display guide with language localization
- Automatic Pressure adjustment and Operation Cycle
- ESX: 3 separate tank system / EPX: 1 common tank system (flushing & filter change required)
- Adaptability to all makes and models
- Portable, Lightweight and Robust unit
- Visual-Audible Signaling Alarm
- Online Updates

**Optional Upgrade*

ES **X** / EP **X** → Technical Data

	Part Number	(CZ-007090 / CZ-007021)
	Standalone Add-On	• -
TYPE	Service Unit	•
USER LEVEL	Diesel / Gasoline Specialists Workshop / Garage Gasoline /Other Engines Diesel Engines Gasoline/Diesel Fuel Systems	○ • • • •
APPLICATIONS	Passenger Car / HEV / PHEV Motorcycles Racing (Gasoline) Light Duty Medium Duty Heavy Duty / Industrial Marine	• • • • • • •
SYSTEM PRESSURE	Max (BAR) Source Mains Power Tank Capacity HMI Touchscreen	10 ELECTR. PUMP 12VDC 3L/tank LCD
PACKAGING	Width (mm) Depth (mm) Height (mm) Weight (kg)	430 / 600 400 / 510 1040 / 570 36 / 21

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



EP-X, the Compact Alternative to ES-X.

The EP-X is a compact alternative to the ES-X, offering the same advanced features in a smaller package with a 1 Tank System, making it an ideal choice for workshops that prioritize space and portability.

WORKSHOPS

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

Detergents

The environmental friendly ESX/EPX Series Detergents for Decarbonizing the engine activates the inert carbon molecules, resins, dust varnish and gums that accumulate inside the engine components, and burns them with the combustion process.



Adapters

Exclusive fuel system adapters kit available for all types of engine configurations*



DPF.01

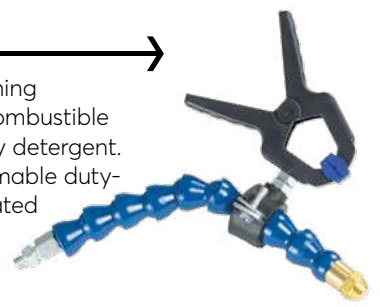
Diesel Particulate Filter Cleaning Adapter Kit. Use of Non-Combustible environmental friendly detergent to efficiently clean Particulate Matter, Carbon Soot, Ash, Organic materials and Sulfates.

Application programmable duty-cycle software integrated



IMC.01

Intake Manifold Cleaning Adapter Kit & Non-Combustible environmental friendly detergent. Application programmable duty-cycle software integrated





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

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