

TCCM_R

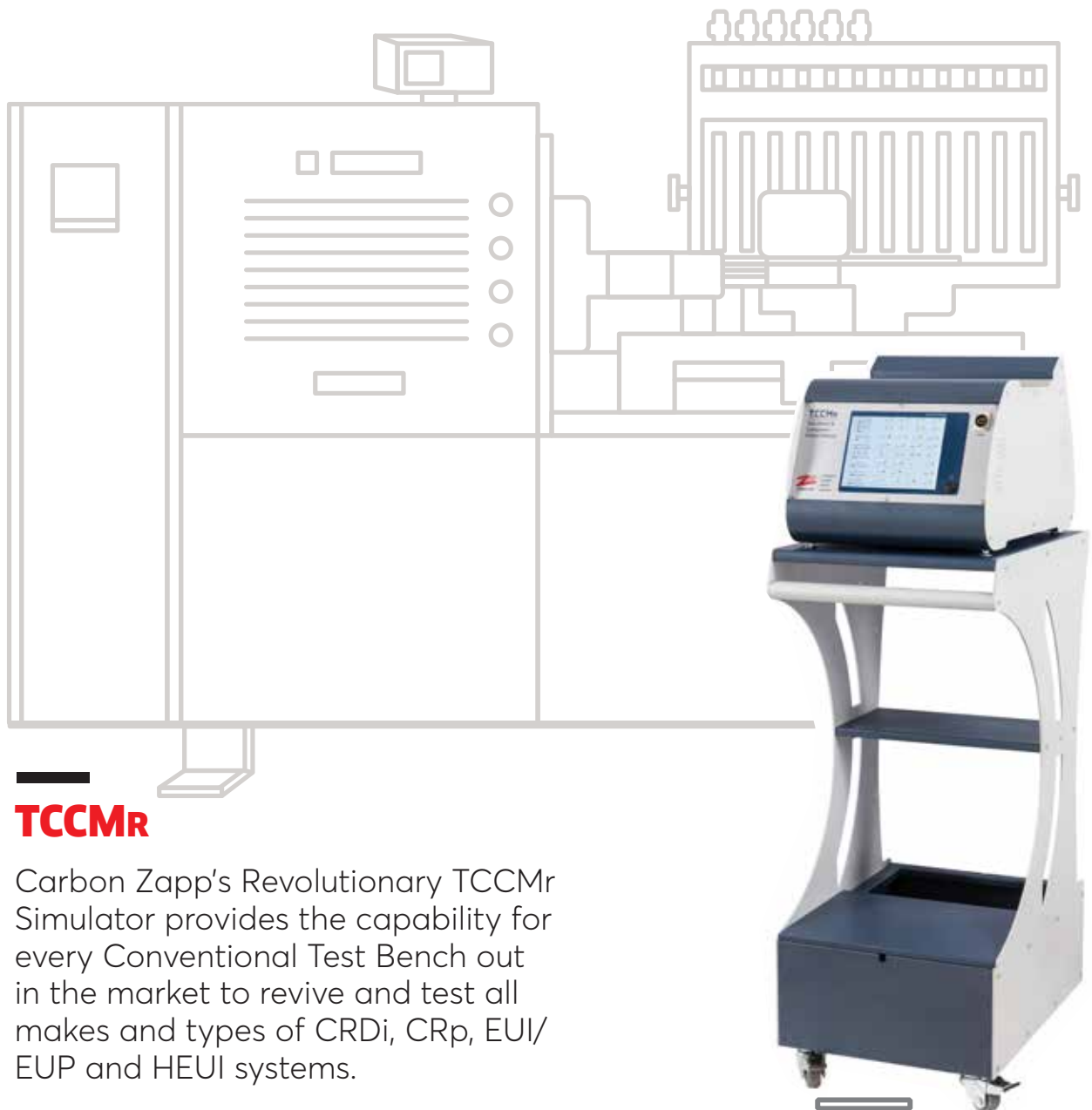
SPECIALIST SOLUTIONS

Diesel Injection Systems

Innovative, compact and professional
solutions for every workshop to test
& service Diesel Injection Systems

3 Diesel Specialists Solutions

Service all Diesel Injection Systems in the industry, utilizing test points from the largest OE database in the market. Upgrade existing Test Benches or Experience Carbon Zapp's Innovative Solution.



TCCMR

Carbon Zapp's Revolutionary TCCMR Simulator provides the capability for every Conventional Test Bench out in the market to revive and test all makes and types of CRDi, CRp, EUI/EUP and HEUI systems.

TCCMr

Test Bench and Component Control Module

Controls all Types and Makes of Injectors
Includes OEM database and test plans
Works with every Standalone or Conventional Test Bench in the Market for 1 CRDi
Electronic Static Mass, Measurement (DFAP) Resolution: 0.1mm ³ , Acc:0.6%FS
Compact, Lightweight and Portable unit
Manual or Automatic Operation
10-15 min testing phase
8" Touchscreen HMI
Injector Coding for Delphi C2i/C3i, Bosch IMA/ISA, Denso QR and VDO IIC
VDO/Bosch/Denso Piezo Stack Regeneration function
Blue Limits Diagnosis



Extras optional



CRDi & CRp Function Kits are available for all Makes and Types



A Universal Cambox that fits most Conventional Test Benches in the market (h:125mm). Adapters for all Makes and Types of UIS systems are available



HUIr-A Unit. The fast, easy and precise solution to test HEUI's



Specifications

All Makes OE, CZ & User Database

Developer and OE customizing

Piezo & Solenoid programmable actuation profiles

(HV: 0-300 Volts / 0-35A)

Injector & PCB protection circuit (StG, StB, SC, OC, IC)

Multiple Injections capability

User friendly, ergonomic, dynamic & robust design

Tests Performed

R2LC

Electrical actuator test for $k\Omega/\mu F$, $\Omega/\mu H$

CFL

Check For Leaks test (injector internal or external)

NLT

Nozzle Leakage Test

LKT

Static Back Leak Test

aNOP

Automatic Nozzle Opening Pressure test

iVM (FL, PL, EM, LL, PI)

Injector Volume Measuring test (full-load, part-load, emissions, low-load, pre/post-injection tests and more...)

iVM-DFi

Injector Volume Measuring test (multiple test-points slope per Pressure)

RSP

Injector nozzle Response-time test

BIP [UIS systems]

Injector Control Valve Response time test

SPR

Dynamic Spray Test performed in all testing conditions

Additionally

High pressure Control Valve operation (DRV, IMV, PCV, etc...)

High Pressure Sensor reaction

High Pressure relief safety valve operation

CR Pump flow limiter valve operation (ZME, IMV, SCV, VCV, etc...)

Features

AZO Software

Advanced Android based HMI/PC

Wi-Fi printing, sharing, syncing, software/hardware & database updating, via USB or WiFi Real-time Oscilloscope and CSV data export

Reports

Easy fail-track color report for each injector.

Single-page Quick report or Multi-page Analytic reporting

Electronic Measurement Upgrades*

1. Dynamic Electronic Mass Measurement Kit (BK)
Injector Coding Capability*
Acc: 0.2%FS, repeatability: 0.05%
Applications: CRDi, EUI/EUP, HEUI
2. Electronic Static Mass Measurement Kit (DFAP)
Resolution: 0.1mm³, Acc: 0.6%FS
Applications: CRp



* Available Optionals ** Future Updates