

# An easy solution for a big problem

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**C**  
**A**  
**S**      **R**

## Computer Aided Repair System for Repairing All Makes Electronic Injectors

**Independent  
solution provider  
for diesel  
injection problems**

MEASURING & ADAPTER TOOLS

## Complete solution to an impossible problem.

KO4000 CARS gives the ability to assemble the injector once and for all, eliminating the trial and error procedure on the way to repair. Its precision measuring unit and special tools work together with a special software that instructs the user what to do at each step of the repair and assembly process including calculating the exact adjustment shim thickness to be used.

KO4000 CARS is ready for repairing below injector groups:

Bosch CRI 1.0 - 2.0 - 2.1 - 2.2 - 2.18, Bosch CRIN 1.0 - 2.0 - 3.0, Denso G2, Bosch Piezo Injectors, Continental VDO Injectors

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# KO4000 CARS

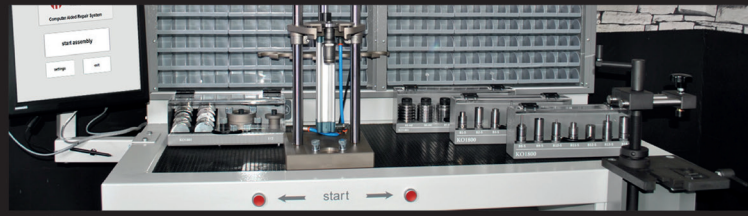
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Computer  
Aided Repair  
System

## FEATURES

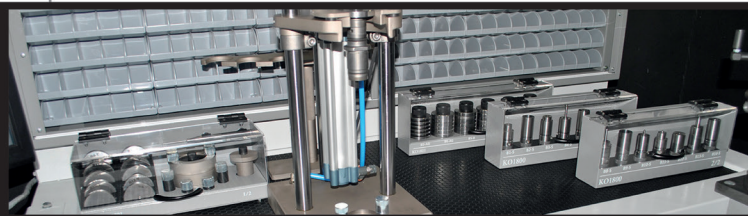
No more Trial and Error



Everybody who has worked on electronic injectors knows that repair is just about trial and error. Sometimes the repair is not successful and the reason is unknown. Experience and knowledge is a must but it is not always enough to complete a successful repair.

KO4000 CARS is the most advanced system to eliminate the trial and error in the electronic injector repair process. System is capable to calculate adjustment shim thickness at each step with micron accuracy. The control software displays the calculated adjustment shim thicknesses together with assembly instructions at each step of the repair.

Anyone can Repair...



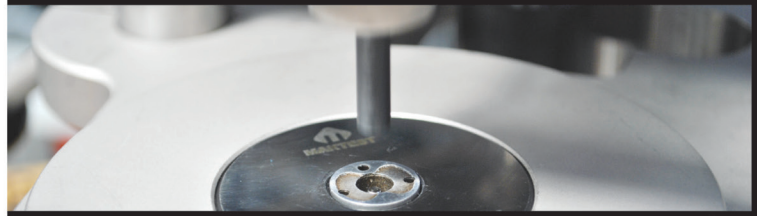
Repairing Electronic Injectors is not a specialist's business anymore. KO4000 CARS eliminates the experience and expertise needed to repair Electronic Injectors.

Fast and Safe Repair



KO4000 Computer Aided Repair speeds up and simplifies the repair process. Repair procedure becomes safer with the accuracy and instructions provided by the KO4000 CARS control software.

Accuracy is Everything When  
Repairing Electronic Injectors...



All electronic injectors are assembled with micron level clearances by their designs. KO4000 CARS is developed to measure micron with accuracy and repeatability.

## Delivered Accessories With This Product

KO4001	CARS Repair Table
KO4002	Measurement Unit
KO4100	Bosch CRI-CRIN Tool and Adapter Set
KO210300	Clamp for C.A.R.S.

## Optional Accessories and Tools Recommended

KO4200	Denso G2 Tool and Adapter Set
KO4300	Bosch Piezo Tool and Adapter Set
KO4400	Continental VDO Measurement and Adapter Set
KO4500	Caterpillar C15 Assembly Tool Set for KO4000
KO4600	CAT C7/C9 HEUI Tool and Adapter Set
KO4700	Lorange Tool and Adapter Set
KO1475	Clean bench, for disassembly and repair
KO1521	Denso disassembly tool set
KO1579C	Bosch CRIN 2.0 ve 3.0 Disassembly Set
KO1382C	Bosch CRI ve CRIN 1.0 Disassembly Set
KO1560	Torque Wrench

## Required Utilities

Power Supply	220V 50/60 Hz Single Phase
Air Supply	min 5 bar, min 1m3/min Flow, dry and oil free

## Technical Specifications

Control Panel	15" Touch Panel
Operating System	Windows 8.1



repairing the future..

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**OTO PERK A.S.**

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The Bench Dimensions:  
Width 1700 mm  
Depth 820 mm  
Height 1830 mm  
Weight 200 kg



Package Dimensions:  
Width 1500 mm  
Depth 900 mm  
Height 1330 mm  
Weight 260 kg