

# KO4000

COMPUTER AIDED REPAIR  
SYSTEM FOR REPAIRING  
ALL MAKES ELECTRONIC INJECTORS

Complete  
Solution  
to an  
Impossible  
Problem



# Copmuter Aided Assembly System

## No More Trial and Error

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...**

KO4000 Computer Aided Assembly System gives the ability to assemble the injector once and for all, eliminating the trial and error procedure.

# FEATURES & BENEFITS

## KO4000 is ready for repairing below injector groups:

Common Rail Injectors:  
 Bosch CRI 1.0 - 2.0 - 2.1 - 2.2 - 2.18,  
 Bosch CRIN 1.0 - 2.0 - 3.0,  
 Denso G2  
 L'Orange MTU 4000.01 & 4000.03 LEAD Series

## HEUI Injectors:

Caterpillar C7-C9 Injectors

## EUI Injectors

Caterpillar C15-3406-C10-3500



## No Expert Needed!

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



### Electricity Requirement

220V 50/60 Hz Single Phase

### Air Supply

min 5 bar, min 1m<sup>3</sup>/min Flow, dry and oil free

### Machine Dimensions:

Width : 1500 mm  
 Depth : 820 mm  
 Height : 1330 mm  
 Weight : 200 kg

### Delivered Accessories With This Product

KO4001 CARS Repair Table  
 KO4002 Measurement Unit  
 KO210300Clamp for C.A.R.S.  
 6 Pcs. Plastic Trays

### Packing Dimensions

Width : 1700 mm  
 Depth : 900 mm  
 Height : 1930 mm  
 Weight : 260 kg

## Optional Accessories and Tools Recommended

KO4100 MEASURING TOOL SET FOR BOSCH CRI 1.0/2.0/2.1/2.2 CRIN 1.0/2.0/3.0

KO4200 Denso G2 Tool and Adapter Set

KO4300 Bosch Piezo Tool and Adapter Set

KO4500 Caterpillar C15 Assembly Tool Set

KO4600 CAT C7/C9 HEUI Tool and Adapter Set

KO4700 Lorange MTU 4000.01 Series 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

KO1382 CBosch CRI ve CRIN 1.0 Disassembly Set

KO1560 Torque Wrench

KO1376 BOSCH CONTROL VALVE PULLER

KO1382C Bosch CRI Disassembly Tool Set

KO1556 CONTROL VALVE ASSEMBLY TOOL FOR CR/IPL29/ZIRIS20S

KO1509 BOSCH SEAL ASSEMBLY TOOL CRI/CRIN1.0/CRIN2.0

KO1557 SEAL ASSEMBLY TOOL FOR CR/IPL29/ZIRIS20S

KO1534 SOLENOID SOCKET 27 MMDetail

KO1536 SOLENOID SOCKET 30 MMDetail

KO1559 DENSO NOZZLE HOLDER REMOVING TOOL SET

KO1510 BOSCH CONTROL VALVE ASSEMBLY TOOL

KO1548 CONTROL VALVE PULLER FOR BOSCH

KO1533 SOLENOID SOCKET 25 MM Detail

KO1535 SOLENOID SOCKET 28 MMDetail

NOZZLE HOLDER DISASSEMBLY SOCKET TOOL SET

KO1550 BOSCH FIXING NUT REMOVING TOOL SET

KO1521C DENSO INJECTOR REPAIR TOOL SET

KO1585 CATERPILLAR CR 320D SERVICE TOOL SET

KO1494 CONTINENTAL VDO PLUG WRENCH

KO1586 DENSO 095000-1211 SERVICE TOOL SET

KO1873 C7/C9 Repair Tool Set

LEARN MORE: REPAIR SOLUTIONS 



## About Us

Since its establishment in 1981, our company has been producing CR test equipment, HEUI test equipment, EUI injector and pump test equipment, mechanical test equipment and devices that can diagnose faults with close to one hundred percent accuracy, and has a dealer network that organizes its sales to the whole world.

Started the production of 9 types of turbochargers, which are modules of diesel vehicles and appeal to 68 different model vehicles with 1.3, 1.4, 1.5 and 1.6 liters.



## Technical Support

To get help from our technical support, simply contact us today. The expert technical team responds quickly to all service requests registered on the web page.



## Reach To Dealer

Maktest is located in İzmir, Turkey. We work with our authorized dealers to provide fast and perfect service in our sales, installation and after-sales services to the whole world. You can contact us via our website to learn about Maktest dealer near you.



### Universal Solutions

All makes injector and pump testing



### Maktest Warranty

Defect and malfunction coverage



### Always Up-to-date

Continuously develops software for better test results

VISIT TODAY

[MAKTEST.COM](http://MAKTEST.COM)

ASK FOR MORE

[SALES@MAKTEST.COM.TR](mailto:SALES@MAKTEST.COM.TR)



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ACCURACY IS  
EVERYTHING WHEN  
REPAIRING ELECTRONIC