

A4000

COMPUTER AIDED REPAIR SYSTEM FOR REPAIRING ELECTRONIC INJECTORS

Its precision measuring mechanism operates **hands free** to **eliminate** human related measurement errors.



ANYONE CAN REPAIR



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.

A4000 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.

NO EXPERT NEEDED

Repairing Electronic Injectors is not a specialist's business anymore. A4000 eliminates the experience and expertise needed to assemble the Electronic Injectors.

INCREASE YOUR PRODUCTIVITY

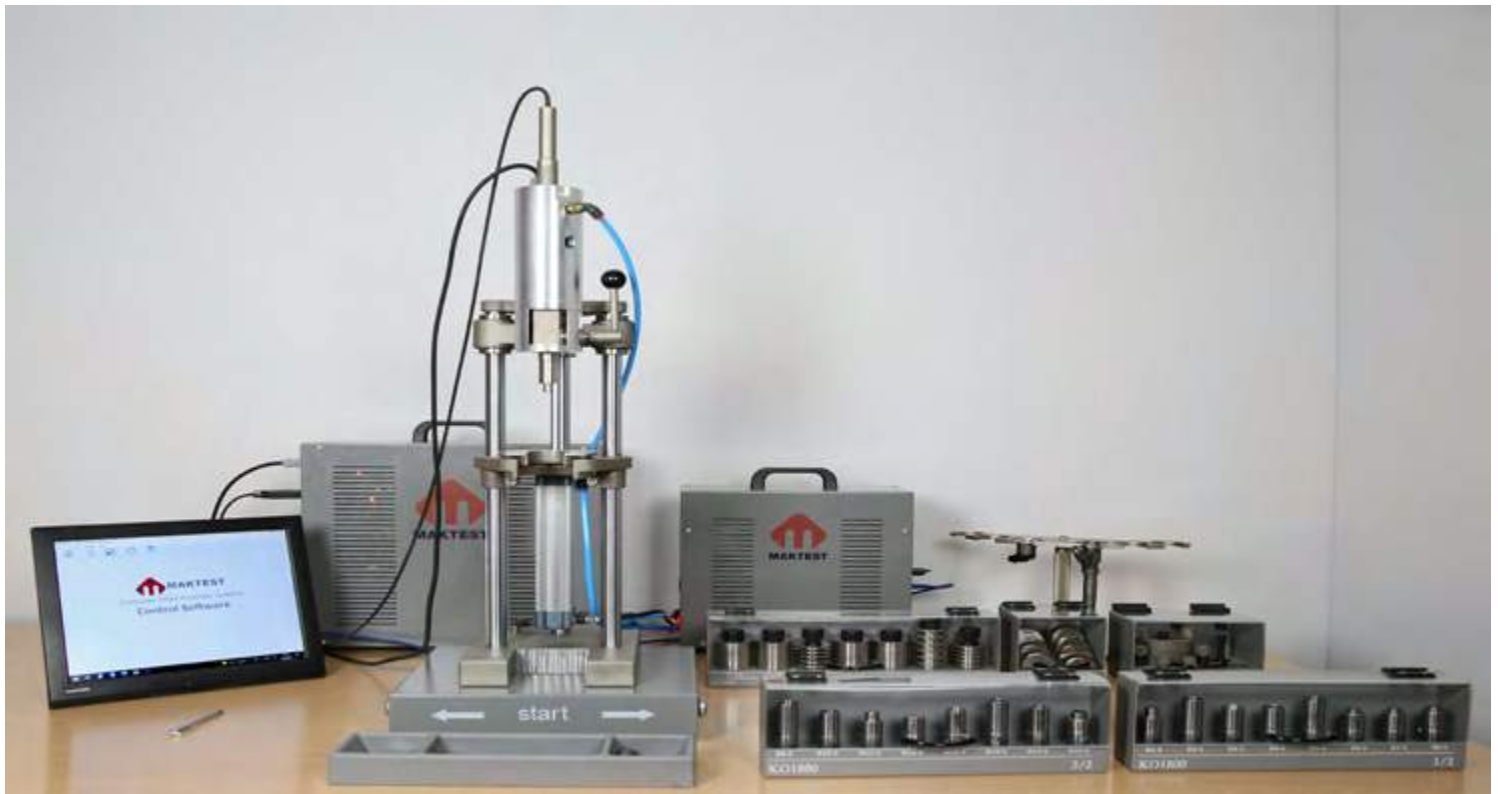
A4000 Computer Aided Assembly System speeds up and simplifies the repair process. Repair procedure becomes safer with the accuracy and instructions provided by the A4000 CARS control software.

Assemble 6 Injectors at the same time!

A4000 software instructs to assemble 6 injectors all at once, improving your production capacity all by itself.



A4000 computer aided assembly system gives the ability to assemble the injector once and for all, eliminating the trial and error procedure. 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.



KO4150 - UPGRADE KIT, LOADCELL FOR A4000

It is a portable product and specially designed for precise adjustment of nozzle and selenoid springs of injectors.

A4000 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



WHAT'S INCLUDED

- K04002 Measurement Unit
- 6 Pcs. Plastic Trays
- 1 tweezers (anti-magnetic).
- Bosch, Denso and Standard Injector Cables

The A4000 utilizes CARS repair control software to repair the electronic injectors.

CARS repair control software requires a dedicated computer and this is not supplied as part of the A4000, the end user is responsible for supplying the computer.

The following hardware specification is required to utilize software and interface with A4000 electronic drive module.

TECHNICAL SPECIFICATIONS

Electricity Requirement:
 220V 50/60 Hz Single Phase

Air Supply:
 min 5 bar, min 1m³/min Flow, dry and oil free

Packing Dimensions:

Width: 800 mm
 Depth: 620 mm
 Height: 1160 mm
 Weight: 45 kgr

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 C Bosch 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





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

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