

# KO1815

## BOSCH type control valve tester

Reliable Repair with Reliable Components...



It is ultimately important to thrust the parts before assembling them together when repairing the common rail injectors.

Control valve is one of those items that are almost impossible to tell whether it is acceptable or will fail during the Flow Test on the test bench by just looking at the surface condition using magnifier or more developed cameras.

KO1815 Control Valve Testing Unit saves time and effort to start repair all over again just because of a misjudgment made at a visual check. It performs a SAFE and reliable test at 8 bar air pressure to make sure that the control valve is completely acceptable before assembling into an injector.

## BOSCH type control valve lapping unit

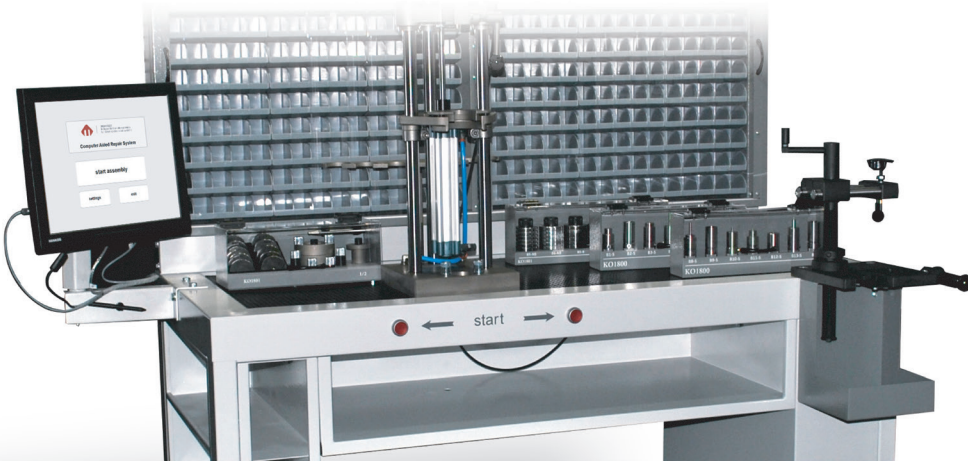
# KO1816

Economical Repair Solution for Control Valves

Control valve lapping is a controversial repair method, not recommended by OEM's. One of the main reasons is the compensation calculation after the lapping may become very complex and the repair of the injector with the lapped control valve may become almost impossible.

Maktest KO4000 Cars system practically recalculates all the critical dimensions after the lapping very successfully and eliminates the risk of failing during the Flow Test.

KO1816 Bosch Type Control Valve Lapping Unit is a simple but effective solution for successfully repairing Bosch Type Control Valves.



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# An easy solution for a big problem

Worldwide sales and service network provide timely and reliable support to all questions.

## K01815

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### FEATURES

Safe Lock- Air Test System



Control valve testing requires high pressure with proper clamping to simulate the conditions inside the injector. 6-8 bar pressure is applied for checking the sealing performance.



#### Maktest Quality Behind Design

Control Valve testing is a tricky procedure and may be quite dangerous, if necessary precautions are not taken. Maktest design makes it perfectly safe to implement the test with even high air pressure level.

### Technical Specifications

Pressure Display	0-10 Bar
Valve Leak Indicator	75 cm <sup>3</sup>

### Required Utilities

Power Supply	220 VAC 50/60Hz (1ph)
Air Supply	Min. 5 Bar, dry and oil free



The Bench Dimensions:  
Width 320 mm  
Depth 250 mm  
Height 440 mm  
Weight 11,1 kg



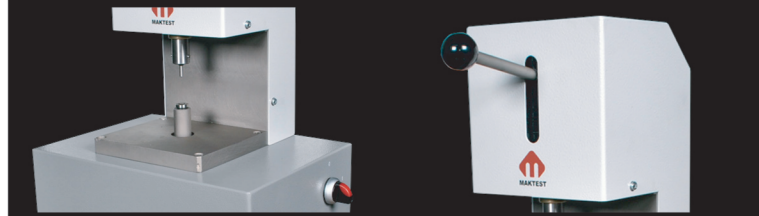
Package Dimensions:  
Width 360 mm  
Depth 280 mm  
Height 480 mm  
Weight 12,2 kg

### FEATURES

Correct Lapping Method with Correct Lapping Angle



Polishing tip with correct angle and simple lapping procedure erases the scratches and polishes the surface with precision.



Self aligning grip provides fast and easy operation.



Unfit Control Valve (at the right side) and control grinded Control Valve (at the left side)

### Technical Specifications

Motor Speed	1320 Rpm
Motor Power	90 W

### Required Utilities

Power Supply	220 VAC 50/60Hz (1ph)
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The Bench Dimensions:  
Width 320 mm  
Depth 220 mm  
Height 520 mm  
Weight 16,2 kg



Package Dimensions:  
Width 340 mm  
Depth 280 mm  
Height 560 mm  
Weight 17,2 kg



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