



**SMART CATALOGUE**  
**DIESEL REMANUFACTURING**

**2022**



# SUMMARY

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## DIESEL REMANUFACTURING

**Cap 1.1: Group 0200: DIESEL REMANUFACTURING**

Calibrating Equipment	4
Injectors' Repairing Equipment	7
Pump's Repairing Equipment	15
Ultrasonic Cleaners	19
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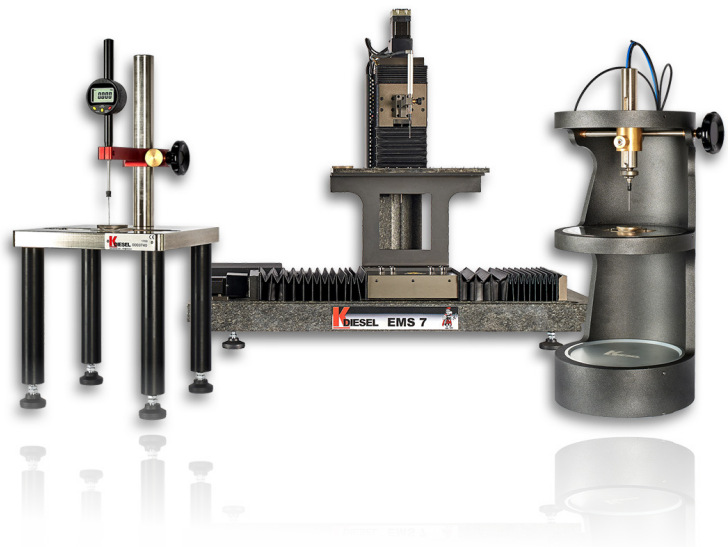
Equipment Catalogue  
**V. 2022**

# CALIBRATING EQUIPMENT

The technology for your business KDiesel has developed a range of professional equipment

## INDEX

- ⊙ Manual
- ⊙ Semi-automatic
- ⊙ Automatic
- ⊙ Optionals



Our technology is born from the studies in the **Robotic field** and its target is to improve and **enhance the productivity and quality** of your labor, while helping to **optimize the performance** of your technicians thanks to the **Know-how** provided with the equipment.



**MANUAL****CALIBRATING EQUIPMENT****0003740**

Easy Mms Manual Measurement System For CR Injectors

**0005065**

Tools For The Calibration Of Injectors C.R. Bosch

**0003439**

3 Stage Shim Expert

**SEMI-AUTOMATIC****CALIBRATING EQUIPMENT****0003712**

Minirobot EMS1 For Calibration CR Injectors Components

**AUTOMATIC****CALIBRATING EQUIPMENT****0003715**

Robot Automatic For CR Injectors Dimensioning Components EMS7



## CALIBRATING EQUIPMENT

## OPTIONALS

000371585



App Injectors SIEMENS/VDO  
EMS7-EMS1-EASY MMS

000371583



App Injectors Perkins - CAT  
6.4/6.6 - EMS7-EMS1-EASY MMS

000371584



App Injectors DENSO  
EMS7-EMS1-EASY MMS

000371588



App Injectors HEUI C7-C9 Caterpillar -  
FORD EMS7-EMS1-EASY MMS

000371586



App Injectors CRI & CRIN Bosch  
EMS7-EMS1-EASY MMS

000371587



App Injectors VW PDE80 +  
PDE80.2 EMS7-EMS1-EASY MMS

000371520



Kit Multiple Injector Measurement  
Function EMS7

Just for EMS7

### INJECTORS' REPAIRING EQUIPMENT



Innovation is the Key to continuous Growth and Competitive Advantage

We want to give users a **functional, simple and accurate product**. It's not enough to be a designer, you have to make a product that works better. With this purpose our **passionate Team of engineers are always looking for innovative solutions**.

Beside Testing and Diagnosis, for every Diesel application **we have developed a Repair Package called "Procedure"**, consisting of specific tooling, dedicated software's, **"Step by Step" repair instructions, and training courses**.

### INDEX

- ⊙ Universal
- ⊙ Bosch
- ⊙ Denso
- ⊙ VDO
- ⊙ UIS / PLD
- ⊙ Caterpillar
- ⊙ Scania



**INJECTORS' REPAIRING EQUIPMENT UNIVERSAL**

**0003235**



Vice For Dismantling Injectors  
Common Rail

**0003641**



Universal Clamp For UIS  
And Common Rail

**0003237**



Tool For Dismantling Injectors  
Common Rail & UIS Digital Indicator

**ID05001**



Trigger box for injectors  
diesel CR & Piezo

**ID05002**



Diesel Injector Tester

**0002550**



PT5 - Smart Tester Of Electrical Condi-  
tions Injectors & Pumps All Makes

**0005000**



Hand Injector  
Tester 400 Bar

**0005077**



Hand Injector  
Tester 600 Bar

**0004999**



Smoke Aspirator For  
Injector Test

**0003643**



Digital Torque Wrench With Angle  
And PC Connection CH 27

**0004047**



Kit 4 Wrenches For Nozzle  
NUT CR (mm 14-15-17-19)

**0005298**



Tray Steel For  
Injectors 19,5 x 26,5

**0005036**



Box Return Conectors Injectors CR  
Bosch, Delphi, Denso & Siemens

**0002245**



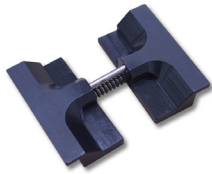
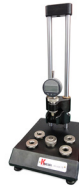
Burettes Kit For Checking  
Leakage CR Injectors

**0002246**



Burettes Kit For Checking Leakage CR  
Injectors Complete Of Waste Connectors



**UNIVERSAL INJECTORS' REPAIRING EQUIPMENT****0003623**Clamp For  
Common Rail Injector**0005079**Nozzle Lifter Common  
Rail Injector**BOSCH INJECTORS' REPAIRING EQUIPMENT****0005075**Ball Seat Grinding  
For CR Injectors Bosch 220V**0005073**Control Of Ball Seat Retaining  
Injectors CR Bosch**0005076**Tool For External Polishing  
Body Valve CR Bosch**0005070**Control Of Valve Injectors CR  
Bosch**0005083**Extractor Tube Coil Common Rail  
Injector Bosch**0005089**Bosch Piezo Injector  
Reloader Equipment**0003236**Tools For Repairing Injectors  
Common Rail Bosch CRI**0003430**Tools For Repairing Injectors  
Common Rail Bosch CRIN+CRI**0003309**Tools For Repairing Injectors  
Common Rail Bosch CRIN**0005253**Tool Box Injector Common Rail  
4.2 Bosch**0005086**Spring Tester  
For Injectors Common Rail**0005066**Lift Detector 3° Step  
For CR Injectors Bosch



**INJECTORS' REPAIRING EQUIPMENT BOSCH**

**0003630**



Kit For Lapping Injector Seat

**0004027**



Fiber Ring Puller Kit  
For Nozzle Holders CR

**0003600**



Kit 4 Millers For Injector Seat CR  
(Bosch Delphi)

**0005096**



Tool For Regeneration  
Valve Piezo Bosch

**000507020**



Adaptor For Injector Crin Bosch  
3° Generazione on 0005070

**000364157**



Plate For Injectors CRIN CH 20  
For Vice 0003641

**000507550**



Tip Complete With Punch  
(Blue Cap)

**000507575**



Tip Complete Green  
For Bosch 2.5

**000506625**



Tool Kit Adaptor Injector Bosch  
CRIN For 0005066

**000507561**



Yellow Abrasive Cloth  
For Ball Seat 12u

**000507560**



Grey Abrasive Cloth  
For Ball Seat 15u

**000507563**



Brown Abrasive Cloth  
For Ball Seat 5u

**000507640**



Polishing Stripe To Polish  
Bosch External Body Valve

**000507562**


















Blue Abrasive Cloth  
For Ball Seat 9u

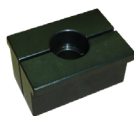
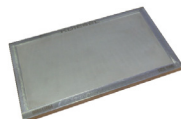
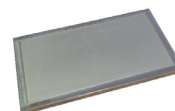
**DENSO****INJECTORS' REPAIRING EQUIPMENT****0005078**Tool Box For Filter  
Extraction Injector Denso CR**0005140**Tool Box For Repairing  
Denso CR Injectors**0004067**Wrench For Denso Injector  
CR With Lock Lever**000514030**Key Nut Nozzle Denso With Guide  
0004062 Clamp For Denso Injectors CR**SIEMENS / VDO****INJECTORS' REPAIRING EQUIPMENT****0005160**Procedure For Repairing  
Siemens CR Injectors**0004091**Wrench For Valve  
Injector Siemens**0005260**Piezo Lift Detector  
BH-VDO-DENSO





**INJECTORS' REPAIRING EQUIPMENT UIS / PLD**

0005150	 <p>Procedure For Repairing UIS/PLD Systems</p>	000515030	 <p>Valve Positioner Device For UIS/PLD Bosch</p>	000515001	 <p>Hole Lapping Tool For UIS/PLD System</p>
000515002	 <p>Reamer Seat Tool For Pump PLD/UIS Red</p>	000515003	 <p>Polishing Seat Tool Pump PLD/UIS Green</p>	000515012	 <p>Kit 3 Reamers For Injector Pump UIS PLD</p>
000515090	 <p>Kit 3 End Reamer For Injector Pump PLD/UIS</p>	000515101	 <p>Box 3 Reamers For Injector Pump Detroit</p>	000515105	 <p>Kit End Reamer For Injector Pump Detroit</p>
0005165	 <p>Repairing Box For PDE80 &amp; PDE80.2 Injectors</p>	000364150	 <p>Kit Plate UIS Injectors For Vice 0003641</p>	000364151	 <p>Plate Injectors PDE-UIS For Vice 0003641</p>
000364160	 <p>Cylinder For Removing Spring For Injectors UIS/EUI Delphi E1-E3</p>	000323527	 <p>Guide For Dismantling Adapter VW PDE 80.2</p>	000323528	 <p>Guide For Dismantling Adapter VW PDE 80</p>

**UIS / PLD****INJECTORS' REPAIRING EQUIPMENT****0003624**Clamp For Volvo Delphi  
Injector UIS**000515004**Plane Top For Lapping  
Pump PLD/UIS G.1000**000515005**Plane Top For Lapping  
Pump PLD/UIS G.600**000515009**Brush  
For Valve Hole UIS/PLD



**INJECTORS' REPAIRING EQUIPMENT CATERPILLAR**

**0005087**



Tool Box For Injectors HEUI Power Stroke/Navistar & CAT C7/C9

**0005066**



Lift Detector 3° Step For CR Injectors Bosch

**00050680**



Tool Kit Lift Detector HEUI Power Stroke/ Navistar&CAT C7/C9 For 0005066

**0003945**



Tool Dismounting Injector C6.6 & C6.4 CAT CR-Perkins

**0005155**



Repairing Box For CAT-Perkins CR Injectors

**0005081**



Power Stroke Tool Kit HEUI Caterpillar

**0005075**



Ball Seat Grinding For C.R.Injectors Bosch 220V

**000507570**



Grinding Kit Cat Valve To Be Used With 0005075

**0002146**



Polishing And Abrasive Paste Grain 600

**INJECTORS' REPAIRING EQUIPMENT SCANIA HPI & ISX CR 15**

**0005075**



Ball Seat Grinding For C.R.Injectors Bosch 220V

**000507580**



Adapter For Rectification Scania ISX CR15 Injector Valve

**0005252**



Tool Box Injector Scania/ Cummins ISX 15

**0005254**



Tool Box Injector HPI Mechanic Scania MUI

### PUMP'S REPAIRING EQUIPMENT

Innovation is the Key to  
continuous Growth and  
Competitive Advantage



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- ⊙ Delphi
- ⊙ Siemens
- ⊙ Denso



**PUMP'S REPAIRING EQUIPMENT**

**UNIVERSAL**

**0002440**



Local Power Source PWM With Pressure Visualisation

**0003583**



Pressure Test Pump Up To 4 BAR

**0003001**



Rotary Clamp Base For Dismantling Pumps

**0003486**



Rotary Vice For Pump Common Rail

**0003161**



Gauge For Control Camshaft D.17-20

**0003163**



Gauge For Control Camshaft D.25-30





### BOSCH

### PUMP'S REPAIRING EQUIPMENT

0002455



Adapter For Transfer Pump  
Denso HP3 - Bosch CP3

0003592



Joint Transfer Pressure  
Pump CP3

0004095



Joint Transfer Pressure  
Pump Bosch CP1 H

0002020



CP4 Pump Repair  
Tool Box

0002314



Tappet Lifter  
Pump CP3 (Kit 3 PCS)

0003620



Kit For Assembly  
Pump CP3

0005031



Tool Box For Pump  
Common Rail CP1

0005037



Tool Box For Pump  
Common Rail CP3

0005105



Tool Box For Pump  
Common Rail CPIH

0003148



Flange For Rotary  
Clamp Pump CR CP3

0003593



Flange For Rotary  
Clamp Pump CR CP1/DENSO

0003645



Flange For Rotary Clamp  
Pump CP1 Bosch Mercedes



**PUMP'S REPAIRING EQUIPMENT**

**DELPHI**

**0003617**



Kit Transfer Pressure  
For Delphi Pumps

**0003621**



Kit For Assembly Pump  
Delphi Common Rail

**PUMP'S REPAIRING EQUIPMENT**

**SIEMENS**

**0003626**



Joint Transfer Pressure  
Pump Siemens

**PUMP'S REPAIRING EQUIPMENT**

**DENSO**

**0003628**



Joint Transfer Pressure  
Pump Siemens

**0002455**



Adapter For Transfer Pump  
Denso HP3 - Bosch CP3

**0003593**



Flange For Rotary  
Clamp Pump CR CP1/Denso



### ULTRASONIC CLEANERS

Ultrasonic wash of the Diesel injection system components is an extremely important

The **cleaning** of Injector/Pump and each of their components ensure **safer reconstruction** and acts as a preventative agent **protecting the life of your test bench**.

In **KDiesel** we know this well and for this reason we provide to our customers a **wide range of ultrasonic cleaners and their ultrasonic cleaning fluid**.





## ULTRASONIC CLEANERS



P/N	Internal tank dimensions	Capacity liters	Power of ultrasonic W	Power of the heating W	Power of the heating W
<b>000502802</b>	120x130x65	1	50	100	2,1
<b>000502810</b>	150x135x100	2	70	100	2,4
<b>000502804</b>	130x230x100	3	100	100	3,7
<b>000502805</b>	150x300x150	6	200	150	5,7
<b>000502806</b>	235x295x150	10	300	340	9
<b>000502811</b>	495x295x150	20	480	400	11,4
<b>000502812</b>	495x295x200	30	600	500	13
<b>0005040</b>	x	15	750	x	x
<b>0005041</b>	x	15	2300	x	x

- All cleaners are equipped with case made of stainless steel and cover.
- All our products are manufactured to CE standards, ensuring the highest quality. Will also provide an effective Technical Support.

**ULTRASONIC CLEANERS****0003526**

Ultrasonic Liquid

**0003543**Ultrasonic Liquid  
For Alluminium**0003533**Powder  
For Alluminium Washing**0005028**Ultrasonic Cleaning System 3,5 L.  
350W With Containers For Parts**0005039**Ultrasonic Cleaning System 5 L.  
350W With Containers For Parts



### AUXILIARY EQUIPMENTS

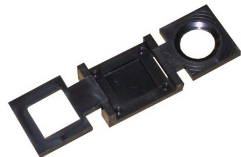
All operators in the automotive sectors will find in the usage of these instrument infinite applications



These tools allow to obtain the first **low-cost system**, extremely **efficient** and perfectly usable by customers who want to approach **Common Rail systems in the simplest possible way**.

**LENS AND MICROSCOPES****AUXILIARY EQUIPMENTS****0002185**

Magnifying Glass

**0002186**

Magnifying Glass

**0003434**Electronic Digital Microscope  
600x4.3 LCD Display**0003536**Magnifying Glass  
10x Mitutoyo**0003547**Microscope 400x Included  
Software**0002198**

Nozzlescope Complete

**FOR INJECTORS****AUXILIARY EQUIPMENTS****0005021**Tool Box For Miller Nozzle  
Holder Copper**0005020**Tool Box For Holder Copper  
Cases D.22-20,5-21 mm**0005019**Tool Kit Box For Miller Nozzle  
Holder Copper Cases D.22mm**0005009**Tool Box  
For Nozzle Cleaning**0005002**Tool Box  
For Nozzle Cleaning**0003534**Antimagnetic Tweezers  
For Common Rail Injector



AUXILIARY EQUIPMENTS

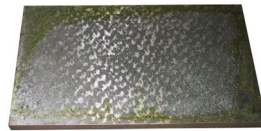
GENERAL

0002043



Magnetic Base

0002061



Basement Zero Leveling  
Mm300x200

0002187



Injector Brush

0003450



Trolley

0005250



Toolbox Step Stool

0003541



Diesel Fuel Treatment

0003508



Press For  
Pipes D. 6 mm

000515010



Magnetic Base



ABRASIVE PASTE	AUXILIARY EQUIPMENTS
----------------	----------------------

**0002131**

Polishing And Emerypaste  
400/600/800 & Chrome

**0002144**

Polishing And Emerypaste  
Grain 300 5gr

**0002145**

Polishing And Emerypaste  
Grain 400

**0002146**

Polishing And Emerypaste  
Grain 600

**0002147**

Polishing And Emerypaste  
Grain 800

**0002148**

Lapping Compound  
Red 5 gr

**0002149**

Lapping Compound  
Green 5 gr