2024 Product Catalog

www.dayeldiesel.com Diesel Injection Test & Repair Solutions



CR Injector CODING Systems

DPF & Garage Equipments

Diesel Injector
TOOLS &
Accessories

CR Auxiliary Equipments STAGE 3 Injector Tester

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DAYEL DIESEL PRODUCT CATALOG 2024



About Us

DAYEL is the Turkish Company, experienced in the production of new age diesel test systems like EDC PC, CR common rail PC, UNIT PC and mechanical pump PC.

Founded in 1995 by Mr Cengiz DAYIOGLU and the son Mr Kaan DAYIOGLU inside RBTR Bosch Istanbul-Turkey as after sales service of Bosch test benches.

Since 2003 started to produce at first CR PC test benches 240 pcs yearly. DAYEL has experiences production, sales, training and after sales service of all test benches.

Our aim is to produce universal, easy use, low cost and qualified test equipments.

We have 55 year experience in electronic between 1968-2024.

So we can produce to test the new systems at first in the world.

Also we have code equipment for Delphi, Denso, Siemens VDO and Bosch Piezo injectors.



Cengiz DAYIOGLU

President of Dayel Diesel Dear friends,

The Year 2025 is coming.

What's new in vehicles?

How long will the diesel stay on the usage?

They say that the fossil fuel will end in 2090, fossil oil manufacturers who can fight the war they want in the world can't easily give up the diesel fuel, the battery of electric vehicles are quite expensive and they are short-lasting, due to it will be produced with small quantities.

CR systems(FSI-TSI) has already been between the diesel and electric vehicles, these vehicles has started to selling in cities where the diesel has banned, there are 2 injector manufacturer for FSI-TSI systems, both of them are produced with cannot be fixed, but DAYEL has a solution for it.

We offer you test machines and the injector repair systems!



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DAYEL DIESEL

>>> CR Injector Test & Code Benches



Codeman Plus CR4 Plus



Codeman Quattro CR4 PCE



Codeman Twin CR2 PCE



Codeman 1 PT Codeman 2 PT CR1 PT



Codeman Express



CR1 Express



* Some injectors and pumps required extra tools and equipments. You could test all brands with additional

Products	Coding	Testing	Pump Testing	Brands
Codeman Plus	4 CR Injectors	4 CR Injectors	1 Pump Testing	All Brands w/Optional*
CR4 Plus	Optional	4 CR Injectors	1 Pump Testing	All Brands w/Optional*
Codeman Quattro	4 CR Injectors	4 CR Injectors	-	All Brands w/Optional*
CR4 PCE	Optional	4 CR Injectors	-	All Brands w/Optional*
Codeman Twin	2 CR Injectors	2 CR Injectors	-	All Brands w/Optional*
CR2 PCE	Optional	2 CR Injectors	-	All Brands w/Optional*
Codeman 1 PT	1 CR Injector	1 CR Injector	1 Pump Testing	All Brands w/Optional*
Codeman 2 PT	2 CR Injector	2 CR Injectors	1 Pump Testing	All Brands w/Optional*
CR1 PT	Optional	1 CR Injector	1 Pump Testing	All Brands w/Optional*
Codeman Express	1 CR Injector	1 CR Injector	-	All Brands w/Optional*
CR1 Express	Optional	1 CR Injector	-	All Brands w/Optional*







DAYEL DIESEL

CODEMAN PLUS



Codeman PLUS+ Premium, Exact and fast CR injector and pump TESTING & CODING

4 Injector Coding, 4 Injector Testing, 1 Pump Testing

Technical Specifications

Supply voltage	AC 380 (3P+N+GND)
Motor Power	15 Hp
High pressure pump pressure	0-2200 Bar (Opt. 2500 Bar)
Low Pressure	0,5 – 6 bar
RPM	0-4000 rpm adjustable
Flow Sensor Filter	20uM
Inj Flow Sensor Range	0.1 – 500 cc /min
Pump Flow Sensor Range	1-300 L/h
Dimensions (L x H x W)	1350x1600x750 mm
Weight	480 Kg
Oil Tank Capacity/Type	20 lt (ISO 4113)
Power Output (duration)	8 Kw



If you would like to only CR testing machine without coding, you could choose CR 4 Plus



CR 4 Plus

4 Injector Testing, 1 Pump Testing

*Code can be uploaded later if needed.

Codeman Plus CR Inj, Pump Coding & Testing

Performing complete and accurate test of multibrand CR injectors and Pumps

4 Cylinder CR injector testing

Bosch, Delphi, Denso, Siemens VDO, CAT, Scania

4 injector coding at the same time

- Bosch Selenoid IMA
- Bosch Piezo ISA
- Delphi C2i/C3i/C4i
- Siemens IIC CodingDenso QR Coding
- Siemens 6&7 Digit Code

Pump testing

- Bosch CP1-CP3-CP4
- Delphi
- Denso HP3
- Siemens







For more pump types please request and contact us

Codeman Plus+ has reduced setup and test times as well as user friendly operation menu.

Sensitive flowmeters has capable to test injectors under 10 minutes in manual mode (4 flowmeters for 4 cylinders) Operation via 15,6" touch screen monitor

Full automatic mode testing provides certain and fast results

Ergonomic design , wide range injector fixtured area, Easy setup with 90 degree fittings and 2500 bar Flexi pipes.

With loaded CR pump test plans you can test;

- Efficienycy of flow
- DRV or mprobe amperes and reaction
- · Internal pressure
- · Maximum pressure
- · Start pressure and plunger status

There are 7 groups and over 3800 different test values in database, so each group offers perfect coding and testing for injectors.

Software updates and test plans can be loaded with remote desktop free of charge.

DAYEL DIESEL

CODEMAN QUATTRO



Codeman Quattro Premium, Exact and fast CR injector TESTING & CODING

4 Injector Coding, 4 Injector Testing



Some injector and pumps required extra tools and equipments. Please contact us for optional tools.

Technical Specifications			
AC 380 (3P+N+GND)			
11 Hp			
0-2200 Bar (Opt. 2500 Bar)			
20uM			
0.1 – 500 cc /min			
1350x1600x750 mm			
440 Kg			
20 lt (ISO 4113)			
6 Kw			

Codeman Quattro CR Injector Test Bench

Performing complete and accurate test of multibrand CR injectors

4 Cylinder CR injector testing

Bosch, Delphi, Denso, Siemens VDO, CAT, Scania

4 injector coding at the same time

- · Bosch Selenoid IMA
- Bosch Piezo ISA
- Delphi C2i/C3i/C4i
- Siemens IIC Coding
- Denso QR Coding
- Siemens 6&7 Digit Code



Codeman QUATTRO has reduced setup and test times as well as user friendly operation menu.

Sensitive flowmeters has capable to test injectors under 8 minutes in manual mode (4 flowmeters for 4 cylinders)

Operation via 15,6" touch screen monitor Full automatic and semi-automatic testing provides certain and fast results.

Ergonomic design , wide range injector fixtured area, Easy setup with 90 degree fittings and 2500 bar Flexi pipes. There are 7 groups and over 3000 different test values in database, so each group offers perfect coding and testing for injector.

Software updates and test plans can be loaded with remote desktop free of charge.



If you would like to only CR testing machine without coding & pump test, you could choose CR4 PCE



CR4 PCE

4 Injector Testing

*Code can be uploaded later if needed.

DAYEL DIESEL

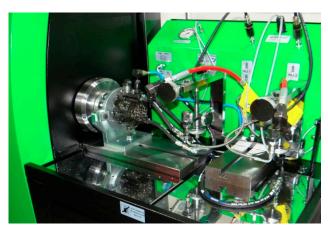
CODEMAN TWIN



Codeman Twin Premium, Exact and fast CR injector TESTING & CODING

2 Injector Coding, 2 Injector Testing

Technical Specifications AC 380 (3P+N+GND) Supply voltage Motor Power 11 Hp High pressure pump pressure 0-2200 Bar (Opt. 2500 Bar) Flow Sensor Filter 20uM 0.1 – 500 cc /min Inj Flow Sensor Range Dimensions (L x H x W) 1350x1600x750 mm Weight 400 Kg Oil Tank Capacity/Type 20 lt (ISO 4113) Power Output (duration) 6 Kw



Codeman Twin CR Injector Test Bench

Performing complete and accurate test of multibrand CR injectors

2 Cylinder CR injector testing

Bosch, Delphi, Denso, Siemens VDO, CAT, Scania

2 injector coding at the same time

- Bosch Selenoid IMA
- Bosch Piezo ISA
- Delphi C2i/C3i/C4i
- Siemens IIC Coding
- Denso QR Coding
- Siemens 6&7 Digit Code



It has reduced setup and test times as well as user friendly operation menu.

Sensitive flowmeters has capable to test injectors under 8 minutes in manual mode (2 flowmeters for 2 cylinders)

Operation via 15,6" touch screen monitor

Full automatic and semi-automatic testing provides certain and fast results.

Ergonomic design , wide range injector fixtured area, Easy setup with 90 degree fittings and 2500 bar Flexi pipes .

There are 7 groups and over 3000 different test values in database, so each group offers perfect coding and testing for injector .

Software updates and test plans can be loaded with remote desktop free of charge.



If you would like to only 2 CR injector testing machine without coding & pump test, you could choose CR2 PC



CR2 PC

2 Injector Testing

*Code can be uploaded later if needed.

DAYEL DIESEL

CODEMAN 1 PT



Codeman 1 PT Premium, Exact and fast CR injector and Pump TESTING & CODING

1 Injector Coding, 1 Injector Testing, 1 Pump Testing

Technical Specifications AC 380 (3P+N+GND) Supply voltage Motor Power 15 Hp High pressure pump pressure 0-2200 Bar (Opt. 2500 Bar) Low Pressure 0,5 - 6 bar RPM 0-4000 rpm adjustable Flow Sensor Filter 20uM 0.1 - 500 cc /min Inj Flow Sensor Range Pump Flow Sensor Range 1-300 L/h Dimensions (L x H x W) 1350x1600x750 mm Weight 460 Kg Oil Tank Capacity/Type 20 lt (ISO 4113) Power Output (duration) 8 Kw



If you would like to 2 CR injector testing & coding and pump testing, you could choose Codeman 2 PT



Codeman 2 PT

2 Injector Coding, 2 Injector Testing,1 Pump Testing

Codeman 1 PT CR Injector & Pump Test Bench

Performing complete and accurate test of multibrand CR injectors and Pumps

1 Cylinder CR injector testing

Bosch, Delphi, Denso, Siemens VDO, CAT, Scania

1 injector coding at the same time

- Bosch Selenoid IMA
- Bosch Piezo ISA
- Delphi C2i/C3i/C4i
- Siemens IIC CodingDenso QR Coding
- Siemens 6&7 Digit Code

Pump testing

- Bosch CP1-CP3-CP4
- Delphi
- Denso HP3
- Siemens







For more pump types please request and contact us

With loaded CR pump test plans you can test;

- Efficienycy of flow
- DRV or mprobe amperes and reaction
- Internal pressure
- · Maximum pressure
- Start pressure and plunger status

There are 7 groups and over 3800 different test values in database, so each group offers perfect coding and testing for injectors.

Software updates and test plans can be loaded with remote desktop free of charge.

In coding section there are ready targets for most injectors



If you would like to only 1 CR injector & pump test machine without coding, you could choose CR1 PT



CR1 PT

- 1 Injector Testing, Pump Testing
- *Code can be uploaded later if needed.

DAYEL DIESEL

CODEMAN EXPRESS



Codeman Express Premium, Exact and fast CR injector TESTING & CODING

1 Injector Coding, 1 Injector Testing



Codeman Express CR Injector Test Bench

Performing complete and accurate test of multi-brand CR injectors

1 Cylinder CR injector testing

Bosch, Delphi, Denso, Siemens VDO, CAT, Scania

1 injector coding at the same time

- Bosch Selenoid IMA
- · Bosch Piezo ISA
- Delphi C2i/C3i/C4i
- · Siemens IIC Coding
- Denso QR Coding
- Siemens 6&7 Digit Code

Technical Specifications		
Supply voltage	AC 220 V (Opt. 380 V)	
Motor Power	3 Hp	
High pressure pump pressure	0-2200 Bar (Opt. 2500 Bar)	
Flow Sensor Filter	20 uM	
Inj Flow Sensor Range	0.1 – 500 cc /min	
Oil Tank Capacity /Type	17 lt (ISO 4113)	
Dimensions (L x H x W)	75 x 188 x 113 mm	
Weight	300 Kg	

CR1 EXPRESS



CR1 Express Premium, Exact and fast CR injector TESTING

1 Injector Testing



CR1 Express CR Injector Test Bench

Performing complete and accurate test of multi-brand CR injectors

1 Cylinder CR injector testing

- Bosch
- Delphi
- Denso
- Siemens VDO
- CAT
- Scania

Technical Specifications		
Supply voltage	AC 220 V	
Motor Power	3 Hp	
High pressure pump pressure	0-2200 Bar (Opt. 2500 Bar)	
Flow Sensor Filter	20 uM	
Inj Flow Sensor Range	0.1 – 500 cc /min	
Oil Tank Capacity /Type	8 lt (ISO 4113)	
Dimensions (L x H x W)	600×1050(+40)x650 mm	
Weight	140 Kg	

DAYEL DIESEL

CRST 600



CR Stage 3 Injector Repair & Calibration Bench

CRST 600 stage 3 is a calibration bench for BOSCH CRI 1.0 2.0, 2.1 2.2 CRIN and some DENSO type injectors.

You can calibrate 4 injector under 30 minute as fabrication standart.

These injectors need at 5 points adjustments with digital gauges.

- Magnet shim
- Air gap shim under magnet.
- · Pilot adjustment from ball lift.
- Opening pressure or Idle speed adjustment.
- Needle lift adjustment.

Technical Specifications

Supply Voltage	220 V AC
Dimensions (L x H x W)	180x190x520 mm
Weight	180 kg (net)
Power Output (duration)	750 Watt



CRST 600 Stage 3 Repair & Calibration Bench

Computer aided program includes illustraded instructions to continue step by step.

You can check and compare the current rising time (CRT) and Mili henry values between good injectors and solve the hard problems which test bench can not shows.

With digital microscobe you can see the problematic part inside of the injector before adjustment.

Insulation meter shows you the status of the coil between body.

With serial number those following data's come automaticaly;

- Vehicle data
- 4 adjustment values
- 3 most important spare parts numbers
- 3 torq value pilot, magnet and nozzle holder

There are 2 groups and over 500 different serials in database, so each group offers perfect calibration for injectors

Software updates and test plans can be loaded with remote desktop free of charge. Please check the inculed accesories and tools from the below tab





DAYEL DIESEL



CRST 301 Stage 3 Calibration Tester

Performing complete and accurate test of multi-brand CR pumps.

You can calibrate 4 injector under 30 minute as fabrication standard

Computer aided program includes illustraded instructions to continue step by step .

You can check and compare the current rising time (CRT) and Mili henry values between good injectors and solve the hard problems which test bench can not shows.

With serial number those following data's come automaticly;

- Vehicle data
- 4 adjustment values
- 3 most important spare parts numbers
- 3 torq value pilot, magnet and nozzle holder

There are 2 groups and over 500 different serials in database, so each group offers perfect calibration for injectors

Software updates and test plans can be loaded with remote desktop free of charge.





* This product include only program in package. You need to install it your own computer.



CRPT 04 Pump Testing & Regulator

CRPT 04 has reduced setup and test times as well as user friendly operation menu.

Sensitive flowmeters has capable to test pump under 10 minutes.

It has a special rail and rail sensor to regulate and measure the pressure in a protected cabinet.

Operation via 12" touch screen monitor.

Easy setup with 90 degree fittings and 2500 bar Flexi pipes.

With loaded CR pump test plans you can test;

- · Efficienycy of flow
- DRV or mprobe amperes and reaction
- Internal pressure
- · Maximum pressure
- Start pressure and plunger status

There are 4 groups and over 800 different test values in database, so each group offers perfect testing for injector and pumps.

Software updates and test plans can be loaded with remote desktop free of charge.





*This simulator needs to be used by a mechanical test bench (min 7,5kw motor power)

DAYEL DIESEL

>>> EUI, EUP & HEUI Test Systems



UNIT PC EG Unit Injector Test Unit Pump Test



UNIT S PC CAMBOX Unit Injector Test Unit Pump Test



DYL 811 CAMBOX Unit Injector Test Unit Pump Test



HEUI PTHEUI Injector Test
HEUI Pump Test

Products		Features
UNIT PC EG	Unit Injector Test	Unit Pump Test
UNIT S PC CAMBOX	Unit Injector Test	Unit Pump Test
HEUI PT	HEUI Injector Test	HEUI Pump Test
DYL 811 CAMBOX	Unit Injector Test	Unit Pump Test

DAYEL DIESEL

UNIT PC EG



UNIT PC EG Premium, Exact and fast EUI and EUP TESTING

Performing complete and accurate test of multi-brand injectors and Pumps

New CAMBOX designed with 5 section original cam;

- VV
- Volvo-Iveco-Scania, Renault
- MB Axor, Atego
- MB Actross, DAF, Mack
- Cummins



Some injector and pumps required extra tools and equipments. Please contact us for optional tools.

Technical Specifications		
Supply voltage	AC 380 (3P+N+GND)	
Motor Power	15 Hp	
Low Pressure	1 – 8 bar	
RPM	0-2000 rpm adjustable	
Inj Weight Sensor Range	0.1 – 500 cc /min	
Back Flow Sensor Range	1-300 L/h	
Dimensions (L x H x W)	180x165x87 cm	
Weight	660 Kg	
Oil Tank Capacity/Type	20 lt (ISO 4113)	
Power Output (duration)	8 Kw	

UNIT PC EG Unit Injector Test Bench

New CAMBOX designed with 5 section original cam;

- VW
- · Volvo-Iveco-Scania, Renault
- MB Axor, Atego
- MB Actross, DAF, Mack
- Cummins

Test plan is divided to 5 groups.

- Bosch PKW (VW group)
- Bosch LKW (MB,DAF,IVECO.SCANIA...)
- Delphi Volvo group (FH 12, 2 pin,4 pin)
- Cummins & CAT & Detroit USA group
- Siemens piezo

UNIT PC EG has reduced setup and test times as well as user friendly operation menu.

Controls all types and makes of unit injectors & pumps. Actuator valve measurement via BIP sensor and delay time measurements with follow oscillascope.

Easy and oil free change of cam with sliding plate. Perfect angle reseting for each cam shafts.

Dynamic electronic mass measurement. You can check the unit injectors such as Cummins,

Caterpillar, Detroit, and and injection system HPI (optional) It contains test plans of injector and pump types of many brands in the market.

Software updates and test plans can be loaded with remote desktop free of charge.

10 pieces adaptors is given free by the bench



DAYEL DIESEL

DYL 811 CAMBOX



Premium, Exact and fast EUI&EUP TESTING with traditional DYL811 cabinet

Performing complete and accurate test of multi-brand EUI&EUP injectors and Pumps

New CAMBOX designed with 5 section original cam;

- 1.Cam VW
- 2.Cam Cummins
- 3.Cam Volvo-Iveco-Scania, Renault
- 4.Cam MB Axor,Atego
- 5.Cam MB Actross, DAF, Mack



* It is not possible to test Mechanical type fuel pumps on this model.

Technical Specifications			
Supply voltage	AC 380 (3P+N+GND)		
Motor Power	15 Hp		
Low Pressure (1)	0,5 – 8 bar		
RPM	0-2000 rpm adjustable		
Inj Weight Sensor Range	0.1 – 500 cc /min		
Back Flow Sensor Range	1-300 L/h		
Dimensions (L x H x W)	1800x1750x750(+200) cm		
Weight	700 Kg		
Oil Tank Capacity/Type	20 lt (ISO 4113)		
Power Output (duration)	8 Kw		

DYL 811 Cambox Test Bench

New CAMBOX designed with 5 section original cam;

- 1.cam VW
- 2.cam Cummins
- 3.cam Volvo-Iveco-Scania,
- 4.cam MB Axor,Atego
- 5.cam MB Actross, DAF, Mack, Renault

Test plans consist of 5 groups.

- Bosch PKW (VW-AUDI-SEAT-SKODA)
- Bosch LKW (MB,DAF,IVECO.SCANIA...)
- Delphi Volvo group (FH 12, 2 pin,4 pin)
- Cummins & CAT & Detroit USA group
- Siemens piezo (BKP)

With fast assambly and easy adjustment also user friendly program enables tests and determinations to be achieved very quickly

Actuator valve measurement via BIP sensor and delay time(response time) measurements with follow oscillascope.

Easy and oil free change of cam with a special designed sliding plate.

Perfect angle reseting with 360 pulse encoder for each cam shafts.

Dynamic electronic mass measurement for quantity

You can check the unit injectors such as Cummins, Caterpillar, Detroit, Delphi Euro 6 and Scania HPI (optional)

It contains test plans of most injector and pump types in the market.

Robust compact design with all steel frame construction

Perfect test oil heating and cooling ssytem with tank level control

Software updates and test plans can be loaded with remote desktop free of charge.



DAYEL DIESEL

UNIT S PC CAMBOX



Unit S PC has designed to injector spraying testing.

New CAMBOX designed with 5 section original cam;

- 1.cam VW
- 2.cam Cummins
- · 3.cam Volvo-Iveco-Scania, Renault
- 4.cam MB Axor,Atego
- 5.cam MB Actross, DAF, Mack



* A traditional test bench must be used with this Simulator and cambox (min 11 kW)



Some injector and pumps required extra tools and equipments. Please contact us for optional tools.

Technical Specifications

recillical opecifications		
Supply voltage	AC 220 V	
Min Required Motor Power	11 kW	
Required Low Pressure	1 – 8 bar	
Required RPM of AC motor	0-2000 rpm adjustable	
Dimensions (L x H x W)	1200x1550x500 mm	
Weight	180 Kg	

Unit S PC Cambox Unit Injector Test Regulator

New CAMBOX designed with 5 section original cam;

- •
- 1.cam VW
- 2.cam Cummins
- 3.cam Volvo-Iveco-Scania,
- 4.cam MB Axor,Atego
- 5.cam MB Actross, DAF, Mack, Renault

Test plans consist of 5 groups

- Bosch PKW (VW-AUDI-SEAT-SKODA)
- Bosch LKW (MB,DAF,IVECO.SCANIA...)
- Delphi Volvo group (FH 12, 2 pin,4 pin)
- Cummins & CAT & Detroit USA group
- Siemens piezo (BKP)

With fast assambly and easy adjustment also user friendly program enables tests and determinations to be achieved very quickly

Actuator valve measurement via BIP sensor and delay time(response time) measurements with follow oscillascope.

Easy and oil free change of cam with a special designed sliding plate.

Perfect angle reseting with 360 pulse encoder for each cam shafts.

Dynamic electronic mass measurement for quatitiy. (OPTIONAL)

Trolley of the machine helps you slide the cambox to your own bench.

You can check the unit injectors such as Cummins, Caterpillar, Detroit, Delphi Euro 6 and injection system of Scania HPI (optional)

It contains test plans of most injector and pump types in the market.

Software updates and test plans can be loaded with remote desktop free of charge.

10 pieces adaptors is given free with the bench



DAYEL DIESEL

HEUI PT



Premium, Exact and fast HEUI TESTING

HEUI injector test bench is applied to test;

- CAT C7
- CAT C9
- CAT 3126 (Ford 7.3)
- CAT 3408
- FORD Powerstroke (4 pin)**
- Isuzu Trooper **

Also You can able to test C7/C9 high pressure pumps as optional.

HEUI PT Test Bench

HEUI injector test bench is applied to test;

- CAT C7
- CAT C9
- CAT 3126 (Ford 7.3)
- CAT 3408
- FORD Powerstroke (4 pin)**
- Isuzu Trooper **

Also You can able to test C7/C9 high pressure pumps as optional.

Vertical layout and glazed housing, allows easier assembly for testing and better view of return backflow .

The hydraulics designed and built for a high output working pressure of 300 bar.

Hydraulic System sets pressure automatically, testing continues without interruption

There are 2 separate tanks for Iso test oil and hydrolic oil Tank level and tempature control with efficiency cooling and heating system.

Dynamic electronic mass measurement for quantity There are ready-made test plan templates for different models and brands

New test plans can be created or copied very easily with new heui software.

Technical Specifications		
Supply voltage	AC 380 (3P+N+GND)	
Motor Power	15 Hp	
High pressure pump pressure	0-300 Bar	
Low Pressure	0,5 – 6 bar	
RPM	0-4000 rpm adjustable	
Flow Sensor Filter	20uM	
Inj Flow Sensor Range	0.1 – 500 cc /min	
Pump Flow Sensor Range	1-300 L/h	
Dimensions (L x H x W)	1350x1500x750 mm	
Weight	460 Kg	
Hydrolic Oil Tank Capacity/Type	18 lt (ISO 4113)	
Fuel Oil Tank Capacity/Type	8 lt (NR10)	



GRINDING - LAPPING SYSTEMS

DAYEL DIESEL

GRD-01 SHIM GRINDING MACHINE



This machine helps you to reduce thickness of shims and plates.

You can use this machine for

- Denso Valves
- Plates, Tappets
- Shims
- Washers

LAP-01 VALVE LAPPING MACHINE



Lapping machine for CR injector valves

General features

- Vibromachines in a protective casing
- Table height adjustment with the screw.
- Compact design.

GRD-02 NOZZLE GRINDING MACHINE GRD-02 VALVE LEAKAGE CONTROL



Grinding machine for needles of nozzles, with rotation speed indicators. The GRD-02 machine is used for sharpening needles of atomizers and other bodies of rotation.

The control of the speed of rotation of the spindle and the processed body is regulated by means of rotary knobs located on the control panel.

Adjusting the brightness of the lower illumination of the processed body of rotation is performed using the rotary knob located in the upper part of the control panel.

The control panel has a general power switch for the machine and three power switches on.



DAYEL DIESEL

>>> Mechanic Pump Test & Auxiliary Benches



EDC PC
VE EDC Pump Test
P&H EDC Pump Test



DYL 811 CLASSIC
Mechanic Pump Test



DYL 811 MEC-CAM
Mechanic Pump Test
Unit Injector Test
Unit Pump Test



DYL 811 MEC-CRPMechanic Pump Test
CR Pump Test



DAYEL DIESEL

DYL 811 CLASSIC



DYL 811 Premium, Exact and fast pump testing with 12 cylinder glass measurement and 15 hp motor power

DYL811 direct drive test stand and is principally designed for the calibration of mechanical fuel injection pumps,

Here is some brands;

- BOSCH
- DELPHI
- STANADYN
- DENSO
- ZEXEL



There are some optional tools and equipments for other models.

Technical Specifications		
Supply voltage	AC 380 (3P+N+GND)	
Motor Power	15 Hp (optional 22 Hp)	
Low Pressure (1)	0,5 – 8 bar	
Low Pressure (2)	4 – 40 bar	
RPM	0-4000 rpm adjustable	
Back Flow Sensor Range	1-300 L/h	
Dimensions (L x H x W)	1800x1750x750(+200) mm	
Weight	650 Kg	
Oil Tank Capacity/Type	20 lt (ISO 4113)	
Power Output (duration)	8 Kw	

DYL 811 Classic Mechanic Pump Test Bench

With fast assambly and easy adjustment also user friendly program enables tests and determinations to be achieved very quickly.

Display of pump output and test stand operating data via 15.6 " PC.

Flow and Temp. Measurement of oil return of distributing pump with digital German flowmeters

Testing of the electromagnetic valve of distributor pump. (12V/24V)

Measurement of the internal pressure of distributor pump.

Independently driven two supply pumps (0-10 bar and 0-40 bar)

Robust compact design with all steel frame construction

Dual scale graduates 12 pcs 0-45cc and 12 pcs 0-150cc capacity of measuring range

Perfect test oil heating and cooling ssytem with tank level control

Checking the travel of stroke (optional)

It contains test plans of most pump types in the market. Software updates and test plans can be loaded with remote desktop free of charge.



You could upgrade your test bench motor to 22 Hp as optional





DAYEL DIESEL

DYL 811 MEC-CAM



DYL811 MEC-CAM direct drive test stand and is principally designed for the calibration of mechanical fuel injection pumps and EUI & EUP

Mechanical Fuel pumps

12 Cylinder measurement and 15 HP motor power

- Bosch
- Delphi
- Stanadyn
- Denso
- Zexel

Techn			41-	
Lecinn	icai 5i	015164111	сапо	ns

Supply voltage	AC 380 (3P+N+GND)
Motor Power	15 Hp (optional 22 Hp)
Low Pressure (1)	0,5 – 8 bar
Low Pressure (2)	4 – 40 bar
RPM	0-4000 rpm adjustable
Inj Weight Sensor Range	0.1 – 500 cc /min
Back Flow Sensor Range	1-300 L/h
Dimensions (L x H x W)	1800x1750x750(+200) mm
Weight	850 Kg
Oil Tank Capacity/Type	20 lt (ISO 4113)
Power Output (duration)	8 Kw





DYL 811 MEC-CAM (Mechanic + Cambox)

New CAMBOX designed with 5 section original cam;

- 1.Cam VW
- 2.Cam Cummins
- · 3.Cam Volvo-Iveco-Scania, Renault
- 4.Cam MB Axor, Atego
- 5.Cam MB Actross, DAF, Mack

Test plans consist of 5 groups.

- Bosch PKW (VW-AUDI-SEAT-SKODA)
- Bosch LKW (MB,DAF,IVECO.SCANIA...)
- Delphi Volvo group (FH 12, 2 pin,4 pin)
- Cummins & CAT &
- Detroit USA group
- Siemens piezo (BKP)

With fast assambly and easy adjustment also user friendly program enables tests and determinations to be achieved very quickly.

Robust compact design with all steel frame construction Display of pump output and test stand operating data via 15.6 " PC.

Independently driven two supply pumps (0-10 bar and 0-40 bar) Perfect test oil heating and cooling ssytem with tank level control It contains test plans of most pump types in the market.

Software updates and test plans can be loaded with remote desktop free of charge.

Flow and Temp. Measurement of oil return of distributing pump with digital german flowmeters

MECHANICAL PUMP TESTING

- Testing of the electromagnetic valve of distributor pump. (12V/24V)
- Measurement of the internal pressure of distributor pump.
- Dual scale graduates 12 pcs 0-45cc and12 pcs 0-150cc capacity of measuring range
- Checking the travel of stroke (optional)

EUI AND EUP TESTING

- Actuator valve measurement via BIP sensor and delay time(response time) measurements with follow oscillascope.
- Easy and oil free change of cam with a special designed sliding plate.
- Perfect angle reseting with 360 pulse encoder for each came shafts
- Dynamic electronic mass measurement for quantity
- You can check the unit injectors such as Cummins,
 Caterpillar, Detroit, Delphi Euro 6 and Scania HPI (optional)

DAYEL DIESEL

DYL 811 MEC-CRP



DYL811 MEC-CRP direct drive test stand and is principally designed for the calibration of mechanical fuel injection pumps and CR type pumps.

Mechanical Fuel pumps

12 Cylinder measurement and 15 HP motor power

- Bosch
- Delphi
- Stanadyn
- Denso
- Zexel

Technical Specifications		
Supply voltage	AC 380 (3P+N+GND)	
Motor Power	15 Hp (optional 22 Hp)	
Low Pressure (1)	0,5 – 8 bar	
Low Pressure (2)	4 – 40 bar	
RPM	0-2000 rpm adjustable	
High pressure sensor	0-2200 Bar	
Flow Sensor Range	1-300 L/h	
Dimensions (L x H x W)	1800x1750x750(+200) mm	
Weight	750 Kg	
Oil Tank Capacity/Type	20 lt (ISO 4113)	
Power Output (duration)	8 Kw	



DYL 811 MEC-CRP (Mechanic + CR Pump)

Performing complete and accurate test of multi-brand CR pumps.

- Bosch CP1-CP3-CP4
- Delphi
- Denso HP3
- Siemens





With fast assambly and easy adjustment also user friendly program enables tests and determinations to be achieved very quickly.

Robust compact design with all steel frame construction Display of pump output and test stand operating data via 15.6 " PC.

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- Flow and Temp. Measurement of oil return of distributing pump with digital german flowmeters
- · Checking the travel of stroke (optional)

COMMON RAIL PUMP TESTING

Sensitive flowmeters has capable to test pump under 10 minutes in auto mode

Full automatic and manuel mode testing provides certain and fast results.

Easy setup with 90 degree fittings and 2500 bar Flexi pipes .

With loaded CR pump test plans you can test;

- Efficienycy of flow
- DRV or mprobe amperes and reaction
- Internal pressure
- · Maximum pressure
- Start pressure and plunger status

There are 4 groups and over 800 different test values in database, so each group offers perfect testing for injector and pumps.

DAYEL DIESEL

EDC PC



Premium, exact and fast edc pump testing
Performing complete and accurate test of multi-brand edc pumps

- Bosch VE pump
- Bosch Inline pumps
- Zexel and Doowon Covec pumps



A traditional test bench must be used with this Simulator and cambox (min 7.5 kW)



**There are different type of cables for ve and inline types as optional.

EDC PC Pump Testing

Premium, exact and fast edc pump testing Performing complete and accurate test of multi-brand edc pumps

- Bosch VE pump
- Bosch Inline pumps
- Zexel and Doowon Covec pumps

PCEDC 04 model is for P&H ve type edc pump regulator with pc controlled

It has and ossiloscobe which can Show the HDK problems

Test plans program is ready in the computer.

User friendly program is controlled by 14" touchscreen monitör.

You can settle the start milivolt as orginal simulators.

You can check the stop valve reaction also.





Technical Specifications		
Supply voltage	AC 220 V	
Min Required Motor Power	7,5 Hp (For VE pumps)	
Required Low Pressure	0,5 – 3 bar	
Required RPM of AC motor	0-4000 rpm adjustable	
Dimensions (L x H x W)	65x135x60 cm	
Weight	90 Kg	

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10 TEST STEP	RPM	MILIVOLT	ÖLÇÜM	MINIMUM	MAXIMUM	NETICE	GEÇER
-TRANSFER BASIN	500	2360	6.60	5.90	7.30		
-TRANSFER BASIN	2,100	3.370	9.00	8.30	9.70		
- AVANS	300	2,360	9.80	8,40	11.20		
- AVANS	2,100	3,370	12.20	11,50	12.90		
- TAMGAZ	2,100	3,370	37.70	36.20	39.20		
- TAMGAZ	800	2.550	34.80	34.60	35.00		
- ORTAGAZ	500	2.360	37.10	35,60	38.60		
- RÖLANTİ	400	1.640	8,50	6.00	11.00		3
- START	100	2.730	61.00	40.00	80.00		
0- STOP KONTRO	130	3.650	0.00	0.00	0.00		
1- GERİDÖNÜŞ	2.100	3.370	50	35	65		
12- BOBIN	4-7		0.70	0.40	1.0		
13- HDK	1-2	2-3	5.7	4.9	6.5		
13- HDK 14- DEVİR MÜŞİR 15-SICAKLIK MÜ:							

GASOLINE INJECTOR TEST SYSTEMS

DAYEL DIESEL

GDI-01



GDI-01 Premium, Exact and fast Gasoline Direct injector testing.

Performing complete and accurate test of multi-brand GDI injectors.

- Bosch
- Denso
- Siemens VDO
- Magneti Marelli

Technical Specifications		
Supply voltage	AC 220 V	
Motor Power	3 Hp	
High pressure pump pressure	0-800 Bar	
Flow Sensor Filter	20 uM	
Inj Flow Sensor Range	0.1 – 500 cc /min	
Oil Tank Capacity /Type	8 lt (ISO 4113)	
Dimensions (L x H x W)	600×1050(+40)x650 mm	
Weight	130 Kg	



GDI-01 Gasoline Injector Test Bench

GDI EXPRESS has reduced setup and test times as well as user friendly operation menu.

Sensitive flowmeters has capable to test injectors under 8 minutes in manual mode

Operation via 12" touch screen monitor.
Coil empedance and piezo capicatance test before tests.

Full automatic and semi-automatic testing provides certain and fast results.

Ergonomic design and airmatic guard cover.

Spray pattern check and backflush function Easy setup with special fittings and 1000 bar Flexi pipes.

Comprehensive test plan with simple pass/fail criteria.

There are ready-made test plan templates for different models and brands.

New test plans can be created or copied very easily with new software.

You can take report after testing.



DAYEL DIESEL

PFC-01





This machine is designed for passenger cars, light commercial vehicles's particulate filters and catalysts.

It is a great solution for car services and remanifactoring workshops.

Cleans all Car and Light Commercial;

- DPF: Diesel Particulate Filter
- GPF: Gasoline Particulate Filter
- SCR: Selective Catalyst Reduction
- CAT: Catalyst
- DOC: Diesel Oxidation Catalyst

PFC-01 DPF Cleaning Machine

Clean and Test Progress is;

- Checkup Pressure test
- Pre-Washing
- · Detergent Washing
- Rinsing
- Spitting and Drying
- Final Checkup test

PFC-01 keeps the cleaning quality at the highest level with its special programs.

Machine has capable to clean the Paticulate filters under 20 minutes in auto mode with circulation system (Express mode)

Operation via 12" touch screen monitor.

Check up test before cleaning and final check after cleaning and drying (as mbar)
Save and print out facilities

Wide range stainless steel paticule filter cleaning area and easy fittings and fixtures

Automatic tank water filling with tank level control sensors and 2 filterzation system.

200 Liter Tank with double heater resistance.

It's made from stainless steel.

Digital input air pressure measuring and warning system integrated drying system with profesional blowers. Biodegradable good quality chemicals



PFC-01 model is for sedan and light commercial vehicles. Please choose the PFC-02 model if you need the DPF for heavy commercial vehicles.

Technical Specifications (PFC-01)

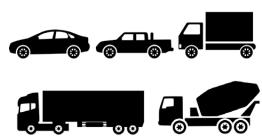
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Supply voltage	3 PH + T+N – Volt 380/400
Inside Washing Capacity	1400x700x1300 mm
Tank Capacity	1×200 lt
Water Pump Capacity	3 hp (steamless steel 316) 250 lt/min
Dia meter of Water hoses	2 inch
Filtration System	Twin and serial/ 25 and 50 micron
Drying Cap. /Max Degree	400 M3/h / 80 DEGREE
Air Tank Capacity	25 lt / 10 Bar
External Dimensions	180 x 111 x 200 cm
Weight	700 Kg
Blower	4 kW (5.5 hp) single layer



DAYEL DIESEL

PFC-02





This machine is designed for heavy duty commercial vehicles, truck's particulate filters and catalysts.

It is a great solution for car services and remanifactoring workshops.

Cleans all Heavy Commercial Vehicles;

- DPF: Diesel Particulate Filter
- · GPF: Gasoline Particulate Filter
- SCR: Selective Catalyst Reduction
- · CAT: Catalyst
- DOC: Diesel Oxidation Catalyst

PFC-02 DPF Cleaning Machine

Clean and Test Progress is;

- Checkup Pressure test
- Pre-Washing
- Detergent Washing
- Rinsing
- Spitting and Drying
- Final Checkup test

PFC-02 keeps the cleaning quality at the highest level with its special programs.

Machine has capable to clean the Paticulate filters under 20 minutes in auto mode with circulation system (Express mode)

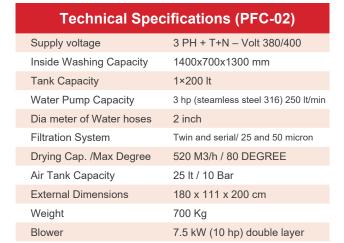
Automatic tank water filling with tank level control sensors and 2 filterzation system.

200 Liter Tank with double heater resistance.

It's made from stainless steel.

Digital input air pressure measuring and warning system integrated drying system with profesional blowers. Biodegradable good quality chemicals







DAYEL DIESEL

PFC-03





This machine is designed for passenger cars and light commercials's filters and catalysts. It is a great solution for car services and remanifactoring workshops.

Cleans all Car and Light Commercial;

- DPF: Diesel Particulate Filter
- GPF: Gasoline Particulate Filter
- SCR: Selective Catalyst Reduction
- CAT: Catalyst
- DOC: Diesel Oxidation Catalyst

PFC-03 DPF Cleaning Machine

Clean and Test Progress is;

- Checkup Pressure test
- Pre-Washing
- · Detergent Washing
- Rinsing
- Spitting and Drying
- Final Checkup test

PFC-03 keeps the cleaning quality at the highest level with its special programs.

Machine has capable to clean the Paticulate filters under 20 minutes in auto mode with circulation system (Express mode)

Operation via 12" touch screen monitor Check up test before cleaning and final check after cleaning and drying (as mbar)

Save and print out facilities

Stainless steel paticule filter cleaning area and easy fittings and fixtures

Automatic tank water filling with tank level control sensors and 2 good filterzation system.

100 Liter Tank with heater resistance.

Cleaning cabinet made from stainless steel.

Digital input air pressure measuring and warning system integrated drying system with profesional blowers. Biodegradable good quality chemicals.



PFC-03 model is for sedan and light commercial vehicles. Please choose the PFC-02 model if you need the DPF for heavy commercial vehicles.

Technical Specifications (PFC-03)

roommoar op	
Supply voltage	3 PH + T+N - Volt 380/400
Inside Washing Capacity	850x620x195 mm
Tank Capacity	1×60 lt
Water Pump Capacity	1.5 hp (steamless steel 316) 25 m³/h
Dia meter of Water hoses	1 1/4 inch
Filtration System	50 micron
Drying Cap. / Max Degree	400 M³/h / 80°C
Air Tank Capacity	10 lt / 10 Bar
External Dimensions	180 x 111 x 200 cm
Weight	300 Kg
Blower	4 kW (5.5 hp) single layer



DAYEL DIESEL

EDIT-01 CARBON



Edit 01 Carbon Clean helps you to restore the original performance of your car and avoid expensive repair with its special program and dedicated additives.

It is a great solution for car services!

Sections and parts we clean are as follows;

- Diesel Injectors
- Gasoline Injectors
- Combustion space,
- EGR
- DPF and CAT

Technical Specifications

Supply voltage	AC 220 V
Dimensions (L x H x W)	650 x1350X 600 mm
Weight	100 Kg

EDIT-01 Carbon Clean

Sections and parts we clean are as follows;

- Diesel Injectors
- · Gasoline Injectors
- · Combustion space,
- EGR
- DPF and CAT

EDIT 01 Carbon Clean keeps the cleaning quality at the highest level with its special programs and additives.

An "EDIT" cleaning every 20,000 km allows your customer to pass the vehicle inspection and avoid the replacement of engine parts

Our experts constantly improve our products based on the experience of our field professionals and on the technological evolution of the car manufacturers.







THE BEST SOLUTION FOR CAR SERVICES

DAYEL DIESEL



CR1 Express Common Rail Inj. Test Bench

Performing complete and accurate test of multi-brand CR injectors

1 Cylinder CR injector testing

- Bosch
- Delphi
- Denso
- Siemens VDO
- CAT
- Scania



GDI-01 Gasoline Injector Test Bench

GDI-01 Premium, Exact and fast Gasoline Direct injector testing.

Performing complete and accurate test of multi-brand GDI injectors.

- Bosch
- Denso
- Siemens VDO
- Magneti Marelli



PFC-03 DPF Cleaner

PFC-03 Premium, Exact and fast DPF Cleaner machine.

Cleans all Car and Light Commercial;

- DPF: Diesel Particulate Filter
- GPF: Gasoline Particulate Filter
- SCR: Selective Catalyst Reduction
- CAT: Catalyst
- DOC: Diesel Oxidation Catalyst



THE BEST SOLUTION FOR CAR SERVICES

DAYEL DIESEL

The Best Solution for Car Services!

The big problems for services are long repair time and expensive repair costs.

The customers are not glad for these costs and time. The below 3 systems repairs are very expensive But we offer to you their diagnose and solutions are very faster, cheaper and easy to use with our 3 systems. CR injector test, GDI injector test, DPF exhaust cleaning.





IMPROVE YOUR SERVICE QUALITY AND SAVE MONEY & TIME TO HAVE SATISFIED CUSTOMERS

CR1 Express; CR Common Rail Injector test; You can test every single injector after 5 min. Warming time and 5 min. test time, totally 10 min.

There are 4 main brands totally 5.000 CR injector test plans reloaded inside for Bosch selonoid, Bosch Piezo, Bosch Truck, Delphi selonoid, Denso selonoid, Denso Piezo, VDO piezo



PFC-03 DPF Exhaust Cleaning Bench;

Now new Euro 5 & 6 cars use DPF's and they are more expensive than their injectors.

The DPFs are easily clogged in big cities or mountain ares.

The services easily clean in this bench in 1 hour with cheaper soot and ash chemicals.

We can give also results from a printer before and after test as milibar. The customer will believe you it is OK



GDI Gasoline Injector Injector Test Bench; Mostly in USA and Europe cars passed to GDI injector engines. Bosch and VDO-Siemens GDI injectors. They use 300 bar instead of 3 bar pressure.

The manufacturers made them non repaired, but we can test first which injectors damaged.

So we can changed only damaged injectors.

Also we have reverse cleaning set to save damaged injectors if possible.



CR TOOLS DAYEL DIESEL



CR TRUCK TEST ADAPTERS



DENSO EXTRACTOR SET



CR INJECTOR EASY CONNECT APARAT



DIGITAL MICROSCOPE



CAT CR 6.6 DISASSEMBLY TOOL



PR-03 PRESSURE METER



BODY AIRGAP
MEASUREMENT TOOL
AND DIAL GAUGE



SHIM THICKNESS 0,01 mm



AHE GAUGE 0,001 mm



AHE GAUGE 0,01 mm



BOSCH PIEZO RETURN HOSE 10 BAR



BOSCH PIEZO AIR EXTRACTOR PROFESSIONAL



BACK FLOW GLASSES FOR ON CAR



BOSCH VALVE LEAKAGE BENCH



SIEMENS CR VALVE TOOL



HIGH PRESSURE PIPE 52CM /80 CM 2500 BAR



TORQMETER



MEGER PIEZO TESTER & COIL LEAK TEST



SCANIA EU 6 CR EXTRACTOR



CR CAR &TRUCK VALVE EXTRACTOR

UNIT TOOLS

DAYEL DIESEL

LAPP SETS



BOSCH EUP EUI LAPP SET FINE



BOSCH EUP EUI LAPP SET GROB



BOSCH EUP EUI PLATE GAUGE



IVECO STRALIS EU 6 LAPP SET



VW 1,9&2,0 LAPP SET

TEST TOOLS



VW TOOL SET



CAT HEUI C7-C9 DISASSEMBLY TOOL



PUMP COUPLINGS 17 mm/ 19 mm / 22 mm/25 mm /30 mm



NOZZLE CLEANER ULTRASONIC BATH 2 LT/ 4LT /6 LT



NOZZLE TESTERS

TEST ADAPTERS



NOZZLE TEST ADAPTORS



UNIT TEST ADAPTORS



VOLVO EU 6 TEST SET



CUMMINS R HPI TEST SET



CR PUMP INLET PRES. TEST SET

EXTRACTORS



VOLVO E1/E3 ALU. EXTRACTOR



VOLVO E1/E3 EXTRACTOR SET



DAF EUP EXTRACTOR
COIL



DAF EUP EXTRACTOR



DAF SMART EXTRACTOR

DAYEL DIESEL IS PROUD TO BE REPRESENTED ACCROSS THE WORLD



DAYEL DIESEL PRODUCT CATALOG 2024



→ Manufacture

Diesel Test Benches, CR systems, DPF Cleaning Machines & Accessories



₹Service

We provide after sale service for all our products



🕰 Spare Parts

Nozzles, valves, injectors and pumps , CR injector spare parts, tools



Academy

Book We have diesel training programs, contact us to get more info about Dayel Academy



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