

LUCAS DIESEL SYSTEMS,
THE FOUNDATION OF YOUR SUCCESS.

In order for today's garages to have the best professional service, **Lucas Diesel Systems offers you the most comprehensive solution:** spare parts, testing equipment, full training, technical support and assistance.



SPARE PARTS

- Wide range of multibrand products
- The largest catalogue in the market, with over 10,000 spare parts and 2,000 reman products
- Spare parts available exclusively for the new products that form part of the latest diesel systems
- Over 140 years of history guarantee our Lucas brand, offering products featuring exceptional technology and innovation throughout the world

TESTING EQUIPMENT

- For all brands
- Suitable for each type of garage
- Plug & Play
- Easy use
- Automatic, semi-automatic and/or manual work programme
- Maximum quality and precision
- Approved tests
- Permanent updating online

COMPREHENSIVE TRAINING

- Training experience at the highest level, tailored to each garage
- Extensive programme of courses in automobile technology
- Theoretical and practical training in small groups
- E-learning
- Professional technical, expert and qualified teachers
- Courses endorsed by the IMI (Institute of the Motor Industry)

TECHNICAL HELPLINE

- E-Lucas Troubleshooting
- Direct technical support and assistance
- Fast and professional analyses, diagnoses and solutions
- Technical experts on hand
- Coverage of all brands and manufacturers
- Greater output for your business

Trust **Lucas**

EUROPE

UK - Chichester Road - Ponswood Ind. Estate
TN38 9BG - ST Leonards-On-Sea - East Sussex

SPAIN - Pol. Ind. Morea Sur, 59 - 31191 Beriain - Navarre

ITALY - Via F. Filzi, 15 - 20032 Cormano - Milan

NORTH AMERICA

USA - Southfield Town Center - 1000 Town Center - Suite 725
48075 Southfield - Detroit - Michigan

CENTRAL AMERICA

PANAMA - Boulevard Costa del Este
Financial Park Tower - Planta 20 - Costa del Este - Panama City

SOUTH AMERICA

BRAZIL - Rua Gastão Vidigal, 370 -13570-655 - São Carlos - SP



lucasdiesel.com

MULTIBRAND TESTING

COMMON RAIL INJECTORS
COMMON RAIL PIEZO INJECTORS



EDT 300

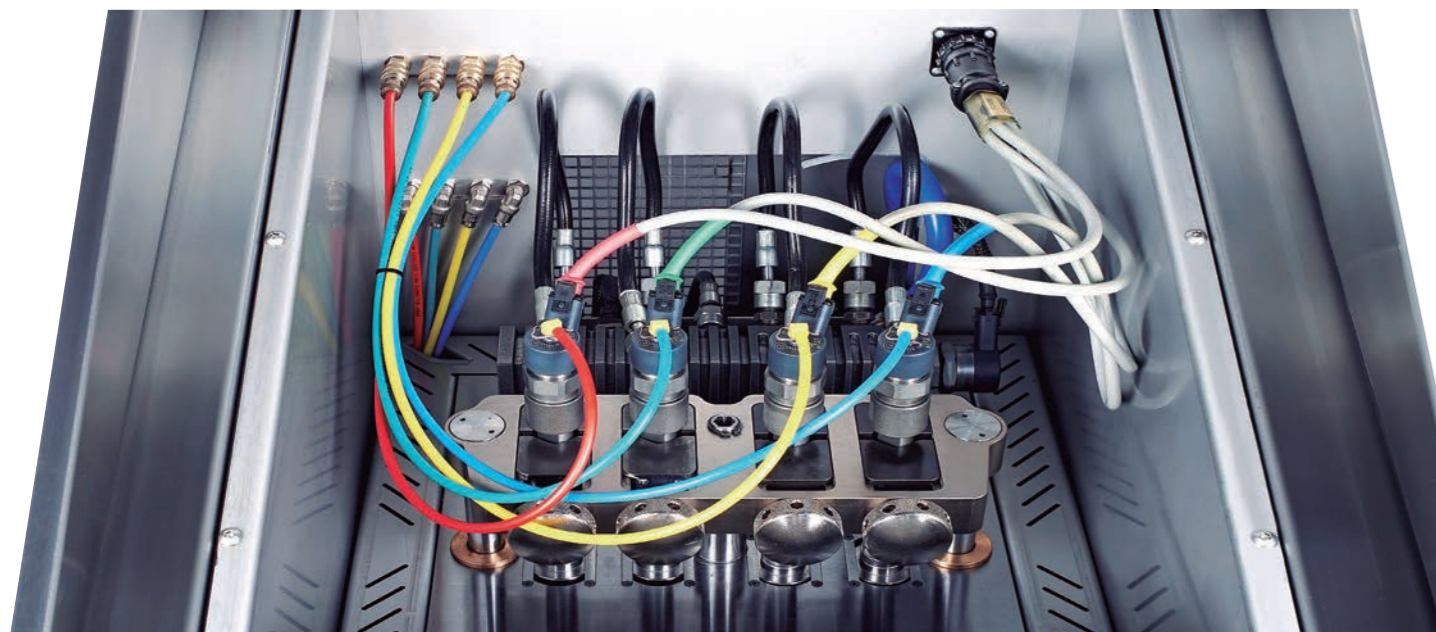
SPECIALIZED TEST BENCH FOR COMMON RAIL INJECTORS

Trust **Lucas**

lucasdiesel.com

Trust **Lucas**

EDT 300 SPECIALIZED TEST BENCH FOR ALL BRANDS OF COMMON RAIL INJECTORS



The modern design of the test bench enables the diesel systems specialist to efficiently check any Common Rail injector of any brand, including piezoelectric systems.

The tests are performed within an automatic operation programme comprising of 4 units, in which the functions as well as the performance of the product are tested, always in accordance with the original specifications of the manufacturers. All of the test records are approved by the Lucas Diesel Systems Quality Department, additionally guaranteeing the fulfilment of the applicable regulations on pollution.

Once the tests have been completed, the diesel specialist can automatically generate the C2I, C3I, IMA or QR codes of the different brands, to ensure perfect subsequent coding of the injectors.

In the event that the results are not satisfactory, Lucas software will offer you technical support and assistance to repair the injector and correct the values submitted.

Thanks to the ongoing development of test records for all of the systems and the generation of new accessories, the EDT 300 is equipped

to meet any market requirements, and the new records can be updated onto the test bench directly via the internet.

The high precision of the measurement system guarantees extraordinary repeatability, which ensures the excellent quality of the tests.

In addition, with an easy to use, intuitive, interactive and dynamic system, the diesel specialist can perform tests on the components quickly and efficiently, therefore gaining a lot of profitability for your business.

The EDT 300 offers great advantages, which make it possible to enjoy silent operation at the highest level of performance, with a low level of maintenance and excellent durability.

All of the Lucas Diesel Systems testing equipment is designed with a strong commitment to environmental care and to guarantee the minimum risk for the diesel specialist professional.

EQUIPMENT COMPOSITION

EDT 300 - LDFT0003



EQUIPMENT

REF.	
	CRI BOSCH CR INJECTORS KIT
	DELPHI CR INJECTORS KIT
	CRI DENSO CR INJECTORS KIT

ACCESSORIES

REF.	
LDFT1135	CODES PRINTER
LDFT1136	CARTRIDGE FOR CODES PRINTER
LDFT1137	CABLE - 4 PIN DENSO INJECTORS TEST
LDFT1138	CABLE - DFI 1.5 DELPHI INJECTORS TEST
LDFT1106	CODING - DELPHI C2I
LDFT1139	CODING - DELPHI C3I
LDFT1105	CODING - DENSO
LDFT1104	CODING - BOSCH
LDFT0034	MACK RENAULT Ø 24 mm INJECTORS TEST KIT
LDFT0035	ACTROS Ø 26 mm INJECTORS TEST KIT
LDFT0036	MAN Ø 29 mm INJECTORS TEST KIT
LDFT0037	MAN Ø 29 mm H. 53.50 INJECTORS TEST KIT
LDFT0038	MACK 2 RENAULT 480 CV Ø 27.5 mm INJECTORS TEST KIT
LDFT0039	RENAULT PREMIUM 420 CV Ø 32 mm INJECTORS TEST KIT
LDFT0040	CUMMINS Ø 26 mm INJECTORS TEST KIT

REF.	
	SIEMENS CR INJECTORS KIT
	BOSCH CR PIEZO INJECTORS KIT

REF.	
LDFT0041	DENSO Ø 27 mm INJECTORS TEST KIT
LDFT0042	DENSO Ø 23.5 mm INJECTORS TEST KIT
LDFT0043	MAN Ø 26 mm INJECTORS TEST KIT
LDFT0044	FIAT TECTOR Ø 26 mm INJECTORS TEST KIT
LDFT0045	VOLVO-DEUTZ Ø 24.5 mm INJECTORS TEST KIT
LDFT0046	DENSO Ø 32 mm INJECTORS TEST KIT
LDFT0047	DENSO Ø 27.0-28.5 mm INJECTORS TEST KIT
LDFT0048	PERKINS Ø 19.5 mm INJECTORS TEST KIT
LDFT0049	SIEMENS FORD PIEZO Ø 27 mm POLV. 7 INJECTORS TEST KIT
LDFT0050	CR DEUTZ Ø 21 mm POLV.7 INJECTORS TEST KIT
LDFT0051	SCANIA/CUMMINS XPI-ISX INJECTORS TEST KIT
LDFT0052	DAEWOO Ø 26 mm INJECTORS TEST KIT
LDFT0053	BOSCH 4 PIN MERCEDES Ø 35 mm INJECTORS TEST KIT
LDFT1140	MERCEDES - MITSUBISHI FUSO INJECTORS TEST KIT

TECHNICAL SPECIFICATIONS

DRIVE SYSTEM	
MOTOR	3 PHASE 400 VAC (3 phases + 1 earth + 1 neutral)
POWER	4 kW - 5 Hp
FREQUENCY	50/60 Hz
SPEED CONTROL	Digital and automatic selection using the software application on the test bench

MEASUREMENT SYSTEM	
REPEATABILITY PRECISION	0.2% tolerance
INJECTION TIME MEASUREMENT	Incorporated nozzle response time sensors
UNIT OF MEASUREMENT	<ul style="list-style-type: none"> Electronic measurement of mass in mg/hit or mm³/hit Resolution of 0.2 mg and precision of 0.2% Temperature not sensitive and not affected No mobile parts that will fail

FEED SYSTEM	
OIL TANK	30 l
REFRIGERATION	Refrigerator
SUPPLY TEMPERATURE	0 to 65 °C
RETURN TEMPERATURE	0 to 65 °C
MAXIMUM PRESSURE	2000 Bar
FILTRATION	Capacity up to 3µ

COMPUTING SYSTEM	
OPERATING SYSTEM	Microsoft Windows 7 or above
SOFTWARE	HAWK
SCREEN	15" touchscreen
CONNECTIONS	Ethernet and USB
PRINTER	Samsung Laserjet

APPLICATIONS



CARS



LIGHT COMMERCIAL



HEAVY COMMERCIAL



AGRICULTURAL

OPERATION SYSTEM	
<ul style="list-style-type: none"> Minimum opening pressure detection Minimum opening time detection Nozzle and return leak tests Measurement of injection amount at: <ul style="list-style-type: none"> Pre-injection (VE) Idle speed (LI) Emissions (EM) Full load (VI) Detection of response time (sensors on board) Detection of lack of spray (sensors on board) Diagnosis of coil electrical conditions (graph on monitor) 	

DIMENSIONS

HEIGHT	1,560 mm
WIDTH	1,470 mm
DEPTH	970 mm
VOLUME	2.3 m ³
WEIGHT	580 kg
BODY CONSTRUCTION	Stainless steel
SAFETY DOOR	<ul style="list-style-type: none"> Stainless steel and glass Immediate stoppage of the motor if opened

INFORMATION SYSTEMS

MULTIBRAND	All brands
TEST RECORDS	<ul style="list-style-type: none"> Generation and storage of test records Printing of reports with achievable reference values
SETTINGS	Personalised data tables
UPDATING	Permanent over the internet
SOURCES	Original specifications from the manufacturers