

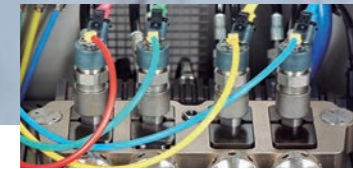
**LUCAS DIESEL SYSTEMS,
THE FOUNDATION OF YOUR SUCCESS.**

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 on the market
- 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

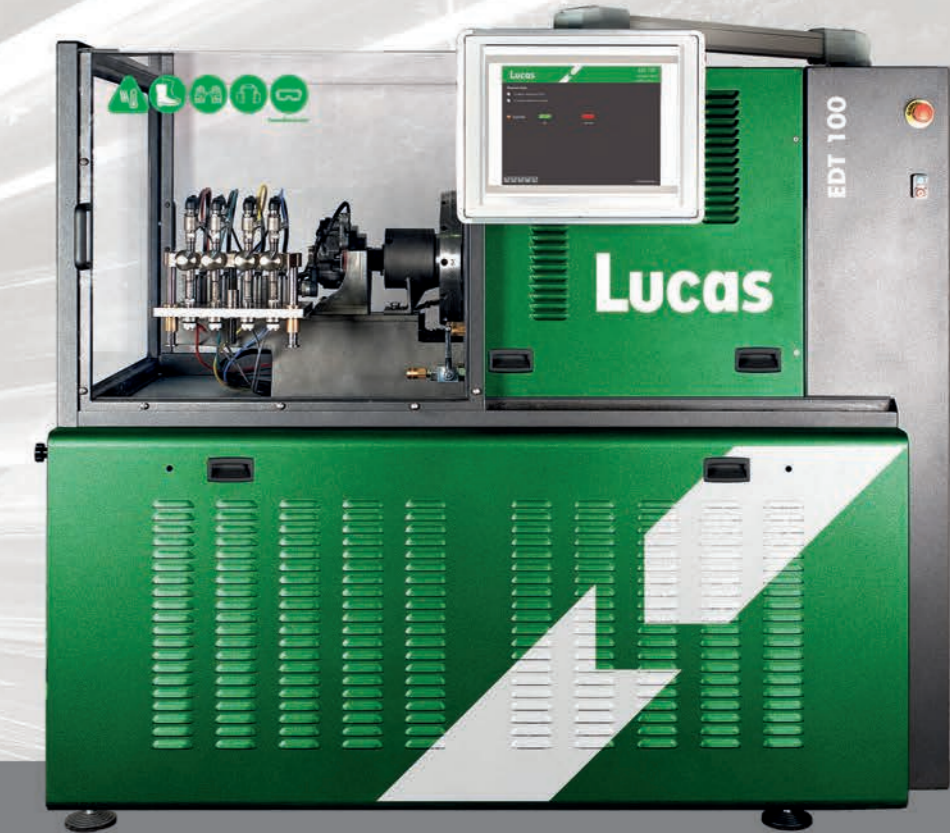
BRAZIL - Rua Gastão Vidigal, 370 -13570-655 - São Carlos - SP



lucasdiesel.com

MULTIBRAND TEST

- COMMON RAIL PUMPS
- COMMON RAIL INJECTORS
- COMMON RAIL PIEZO INJECTORS
- PUMP INJECTOR SYSTEMS



EDT 100 / 101

UNIVERSAL TEST BENCH FOR DIESEL COMPONENTS

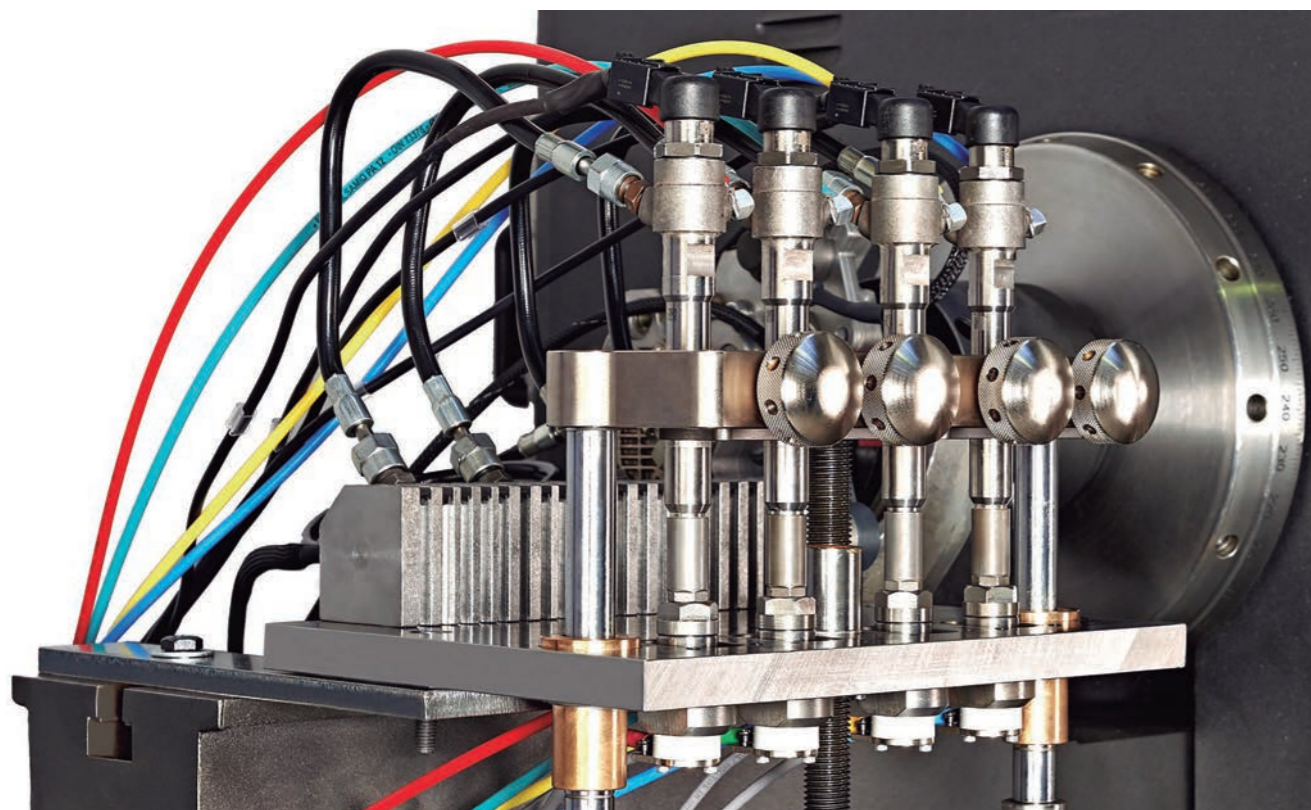
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EDT 100 / 101

UNIVERSAL TEST BENCH FOR ALL BRANDS OF DIESEL COMPONENTS



The modern design of the test bench enables the specialist to check and adjust components of the diesel system, including pumps as well as Common Rail injectors and pump injector systems.

Given the variety of different brands in the diesel systems market, the EDT 100 / 101 is designed to test all of them, by means of an easy-to-implement modular configuration.

In accordance with the specifications of automobile manufacturers and regulations about exhaust fume emissions, all of the test records are approved by the Lucas Diesel Systems Quality Department.

Thanks to the ongoing development of test records for all of the systems and the generation of new accessories, the EDT 100 / 101 is equipped to meet any market requirements. All of the new test records can be directly downloaded onto the equipment, over the internet.

The high precision of the measurement system and stability of the number of rotations of the motor guar-

antee 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 100 / 101 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 100 - LDFT0001

EQUIPMENT

REF.	
LDFT0097	EUI-PDE-EUP-EMD-UPS CAM BOX
LDFT0099	PIEZO ADAPTOR
LDFT0098	FULL KIT OF MANAGEMENT SOFTWARE FOR UIS-PLD INJECTORS + BIP (BEGINNING INJECTION POINT) + DUAL COIL

ACCESSORIES

REF.	UIS/PLD/PDE SYSTEMS
LDFT0140	CAM BOX ADAPTOR - SIEMENS - AUDI - VOLKSWAGEN INJECTORS
LDFT0141	CAM BOX ADAPTOR - VOLKSWAGEN - AUDI PDE80
LDFT0142	CAM BOX ADAPTOR - LAND ROVER DISCOVERY - DELPHI BEBE2A00001
LDFT0143	CAM BOX ADAPTOR - IVECO CURSOR 430 - PDE100
LDFT0144	CAM BOX ADAPTOR - CATERPILLAR 3176-3196-C12-C10
LDFT0145	CAM BOX ADAPTOR - VOLVO 420-460 - DELPHI - BOSCH
LDFT0146	CAM BOX ADAPTOR - IVECO CURSOR 350
LDFT0147	CAM BOX ADAPTOR - VOLVO PLD1A
LDFT0148	CAM BOX ADAPTOR - CATERPILLAR C13
LDFT0149	CAM BOX ADAPTOR - MERCEDES ATEGO PLD100
LDFT0150	CAM BOX ADAPTOR - MERCEDES ACTROS PDL110
LDFT0151	CAM BOX ADAPTOR - CUMMINS SELECT IMS-L10-M11-N14
LDFT0152	CAM BOX ADAPTOR - MACK - RENAULT - DAF - KHD PLD100-110 TYPE B
LDFT0153	CAM BOX ADAPTOR - DETROIT DIESEL 50-60
LDFT0154	CAM BOX ADAPTOR - DETROIT 5234770-5235575
LDFT0155	CAM BOX ADAPTOR - 3406E C15
LDFT0156	CAM BOX ADAPTOR - SCANIA PDE1005 2006
LDFT0157	CAM BOX ADAPTOR - VOLVO 420 - BOSCH 460
LDFT0158	CAM BOX ADAPTOR - VOLVO 500HP - DELPHI E1-E3 - HYUNDAI
LDFT0159	CAM BOX ADAPTOR - AUDI - VOLKSWAGEN PDE 80.2 (NEW)
LDFT0160	CAM BOX ADAPTOR - M11 CUMMINS 3411754

EDT 101 - LDFT0002

EQUIPMENT

REF.	COMMON RAIL
LDFT0002	CONFIGURATION FOR CR INJECTORS
LDFT1162	FULL CR PUMPS KIT

REF.	
LDFT1162	FULL CR PUMPS KIT
LDFT1163	CAM BOX KIT

REF.	UIS/PLD/PDE SYSTEMS
LDFT0161	CAM BOX ADAPTOR - IVECO STRALIS 500 HP EURO 5
LDFT0162	CAM BOX ADAPTOR - BOSCH - VOLVO - PENTA
LDFT0163	CAM BOX ADAPTOR - CATERPILLAR 3500 ELECTRONIC
LDFT0164	CAM BOX ADAPTOR - EUP DELPHI
LDFT0165	CAM BOX ADAPTOR - DEUTZ-CULLIMAN-SAME 101
LDFT1171	CAM BOX ADAPTOR - CATERPILLAR MECHANICAL INJECTOR SERIES 3500 - 4P9076
LDFT0166	CAM BOX ADAPTOR - DELPHI KCCOT120A0020 - PERKINS
LDFT0167	CAM BOX ADAPTOR - CATERPILLAR MECHANIC 1.1 - 3116
LDFT0168	CAM BOX ADAPTOR - NISSAN 440
LDFT0169	CAM BOX ADAPTOR - DETROIT 4 PIN - FE4E00001
LDFT0170	CAM BOX ADAPTOR - DETROIT SERIES DDEC V - 0414703003/5
LDFT0171	CAM BOX ADAPTOR - PF (0414693006)
LDFT0172	CAM BOX ADAPTOR - DELPHI SMART INJECTOR

REF.	OTHER INJECTION SYSTEMS
	HEUI KIT
	KIT
	SCANIA - CUMMINS HIGH PUMPS KIT
	PERKINS - CATERPILLAR C6 HIGH PUMPS KIT
	MTU KIT
LDFT1161	BOSCH - CP4 CR PUMPS FOR EDT 100/101
	CRIN INJECTORS KIT

REF.	COMMON RAIL
LDFT1164	FULL CR INJECTORS KIT


TECHNICAL SPECIFICATIONS

DRIVE SYSTEM	
MOTOR	3 PHASE 400 VAC (3 phases + 1 earth + 1 neutral)
POWER	11 kW - 15 Hp
FREQUENCY	50/60 Hz
SPEED RANGE	30 - 3500 Rpm
SPEED CONTROL	Digital and automatic selection using the software application
WHEEL	<ul style="list-style-type: none"> Dimensions 50 Kg/m Inertia 1.8 Kg^{m2}


MEASUREMENT SYSTEM	
REPEATABILITY PRECISION	± 1% RD
TEMPERATURE RANGE	-20 to +80 °C
MAXIMUM PRESSURE	0.98 MPa
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

I.T. SYSTEM	
OPERATING SYSTEM	Microsoft Windows 7 or above
SOFTWARE	EAGLE
SCREEN	15" touchscreen
CONNECTIONS	Ethernet and USB


APPLICATIONS




CARS



LIGHT COMMERCIAL



HEAVY COMMERCIAL



AGRICULTURAL

FEED SYSTEM	
OIL TANK	60 l
FUEL PUMP	12 l/minute
REFRIGERATION	Integrated refrigeration system: without water - without air
SUPPLY TEMPERATURE	0 to 65 °C
RETURN TEMPERATURE	0 to 65 °C
MAXIMUM PRESSURE	2000 Bar
FILTRATION	Capacity up to 3µ

DIMENSIONS	
HEIGHT	1,980 mm
WIDTH	2,180 mm
DEPTH	1,560 mm
VOLUME	6.5 m ³
WEIGHT	1,150 kg
BODY CONSTRUCTION	Nickel-plated iron
SAFETY DOOR	<ul style="list-style-type: none"> Transparent plexiglas protector Immediate stoppage of the motor if it opens

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 of the automobile manufacturers