

## 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

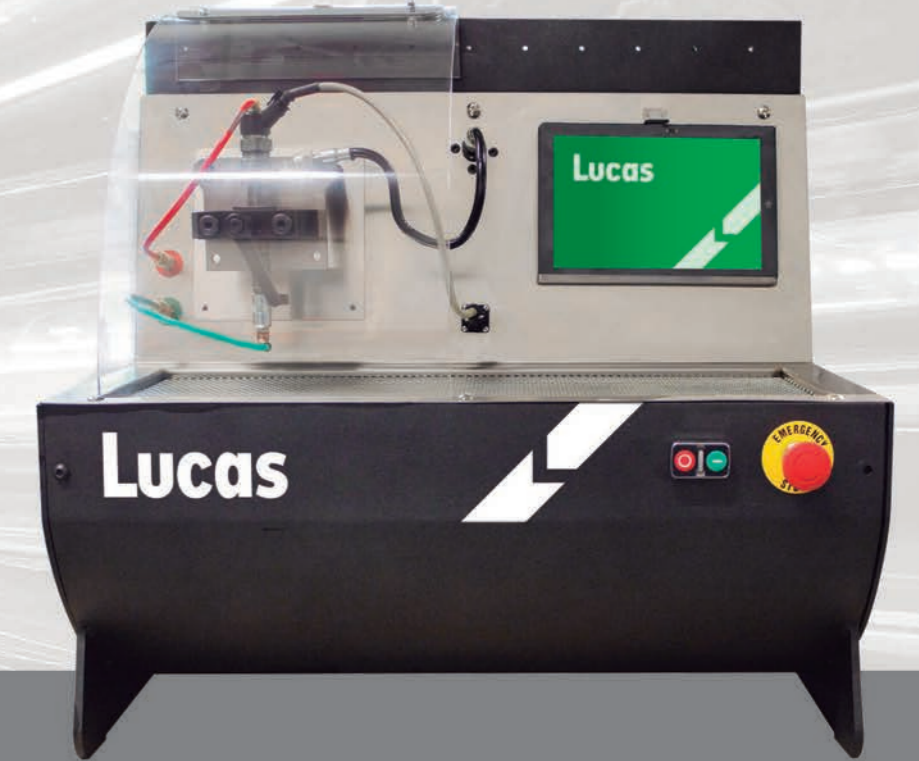
**BRAZIL** - Rua Gastão Vidigal, 370 -13570-655 - São Carlos - SP



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## MULTIBRAND TESTING

COMMON RAIL INJECTORS  
COMMON RAIL PIEZO INJECTORS



## EDT 315

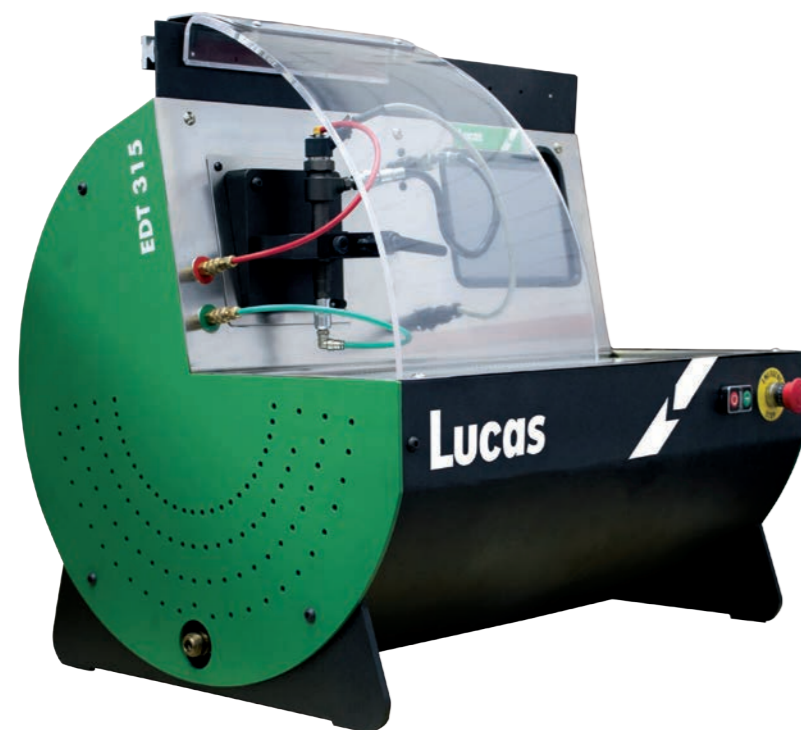
SPECIALIZED TEST BENCH FOR  
COMMON RAIL & PIEZO INJECTORS

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## EDT 315 SPECIALIZED TEST BENCH FOR COMMON RAIL & PIEZO INJECTORS



The modern design of the test bench enables the diesel systems specialist to EDT 315 check any brand of Common Rail injector, including piezoelectric systems.

The tests are performed within a **programme of automatic unitary tests**, 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, and 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 315** is equipped to meet any market requirements, and the new records can be **updated onto the test bench directly over the internet**.

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 315** offers **great advantages, which make it possible to enjoy silent operation 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 315 - LDFT1188



#### EQUIPMENT

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

REF.	
	SIEMENS CR INJECTORS KIT
	BOSCH PIEZO CR INJECTORS KIT

#### ACCESSORIES

REF.	
LDFT1146	CABLE - 4 PIN DENSO INJECTORS TEST
LDFT1147	CABLE - DF11.5 DELPHI INJECTORS TEST
LDFT0054	MACK RENAULT Ø 24 mm INJECTORS TEST KIT
LDFT0056	ACTROS Ø 26 mm INJECTORS TEST KIT
LDFT0057	MAN Ø 29 mm INJECTORS TEST KIT
LDFT0066	MAN Ø 29 mm H.53.50 INJECTORS TEST KIT
LDFT0058	MACK RENAULT Ø 27.5 mm INJECTORS TEST KIT
LDFT0059	RENAULT PREMIUM 420 CV Ø 32 mm INJECTORS TEST KIT
LDFT0055	CUMMINS Ø 26 mm INJECTORS TEST KIT
LDFT0061	DENSO Ø 27 mm INJECTORS TEST KIT
LDFT0062	DENSO Ø 23.5 mm INJECTORS TEST KIT
LDFT0063	MAN Ø 26 mm INJECTORS TEST KIT

REF.	
LDFT0060	FIAT TECTOR Ø 26 mm INJECTORS TEST KIT
LDFT0064	VOLVO-DEUTZ Ø 24.5 mm INJECTORS TEST KIT
LDFT0065	DENSO Ø 32 mm INJECTORS TEST KIT
LDFT0067	DENSO Ø 27.0-28.5 mm INJECTORS TEST KIT
LDFT0068	PERKINS Ø 19.5 mm INJECTORS TEST KIT
LDFT0069	SIEMENS FORD PIEZO Ø 27 mm INJECTORS TEST KIT
LDFT0070	CR DEUTZ Ø 21 mm INJECTORS TEST KIT
LDFT0071	SCANIA/CUMMINS XPI-ISX INJECTORS TEST KIT
LDFT0072	MAN-DAEWOO INJECTORS TEST KIT
LDFT0073	BOSCH 4 PIN MERCEDES Ø 35 mm INJECTORS TEST KIT
LDFT1149	MERCEDES-MITSUBISHI FUSO INJECTORS TEST KIT
LDFT1150	RAPID NOZZLE CONNECTOR D.9 mm

### TECHNICAL SPECIFICATIONS

DRIVE SYSTEM	
MOTOR	3 PHASE 400 VAC or 220 VAC 50/60 HZ
POWER	5 kW

MEASUREMENT SYSTEM	
MEASUREMENT SYSTEM	Tolerance repeatability 1%
INJECTION TIME MEASUREMENT	Nozzle response time sensors (Optional)

FEED SYSTEM	
OIL TANK	10 l
REFRIGERATION	Integrated refrigeration system: without water – without air
MAXIMUM PRESSURE	2000 Bar
FILTRATION	Capacity up to 3µ

COMPUTING SYSTEM	
OPERATING SYSTEM	Microsoft Windows 10
SOFTWARE	HAWK
SCREEN	10.1" touchscreen
CONNECTIONS	Wi-Fi, Bluetooth, microSD and HDMI

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

DIMENSIONS	
HEIGHT	870 mm
WIDTH	1,0100 mm
DEPTH	770 mm
VOLUME	0.7 m <sup>3</sup>
WEIGHT	170 kg
BODY CONSTRUCTION	Nickel-plated iron
SAFETY DOOR	<ul style="list-style-type: none"> <li>Transparent plexiglas protector</li> <li>Immediate stoppage of the motor if opened</li> </ul>

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

#### APPLICATIONS

