

ED1029

High Pressure CR Injector Test Stand



Heavy Duty Common Rail Injector Test Stand

MTU 4000 and 2000 series engines are equipped with Common Rail Injectors. These engines are varying between 2700 Kw to 3400 Kw and either 12, 16 or 20 cylinders. The common rail injectors are L'Orange and Bosch Injectors.

ED1029 injectester CRH is designed for testing high pressure and high volume injectors. Its metering capacity is up to 2000 mm³/stroke. Latest design metering system incorporates a sophisticated cooling system to be able to test these type of heavy duty injectors successfully.

Additionally, ED1029 injectester CRH is capable to test all injectors for passenger car, light commercial and of course truck engines. There are more than 500 test plans in its database and being updated periodically.

There are 5 Training Centers in different locations around the world. Training centers are focused to help customers to stay up to date with new diesel injection systems. Customers are trained for repairing common rail injectors, using special tools and interpretation of test results. Training centers provides continuous support to the customers to help them solve their repair and diagnose problems with diesel injection problems.

Quick Clamp for Heavy Duty Applications



Easy set-up with reinforced clamping mechanism helps to reduce overall testing time.

High Flow Testing Capacity



Improved metering capacity now allows to test up to 2000 mm³/Stroke fuel delivery. Therefore ED1029 CRH is capable to test both on-road and off-road Heavy Duty Common Rail Injectors at the same time.

Accurate Temperature Control



High Flow rate often creates heating problem when testing, therefore ED1029 CRH is designed to have advanced temperature control systems to maintain temperature during testing.

Automatic Testing



ED1029 CRH does not need any attendance during testing. Test procedure is conducted automatically, and a summary test report is displayed on the screen when testing is finished.

Piezo and what is more?

Future is our today and we built machines for tomorrow. That is why ED1029 can test any common rail injector no matter it is piezo or anything else. ED1029 infrastructure is capable to run many and more.

Technical Specifications

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| High Pressure Test Oil Transfer System | Pressure is controlled digitally between 100 and 2000 bar. |
| Injector Drive System | System is designed to be able to drive future injectors. It can drive electromagnetic injectors as well as piezo injectors. Drive system is capable to inject 3 times per injection cycle. |
| Control System | Control computer with 10" LCD. Touch Panel runs Windows 7 OS. Special control software operates ED1029 with high accuracy. |
| Fume Extraction | Patented filter system extracts the fume and filters it to drain. Powerful extraction capacity prevents fume from escaping out of spray chamber. |
| Delivery Measurement | Electronic Fuel Measurement System (ED1029.H) |

Delivered Accessories with this product

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| KO1738 | L'Orange Common Rail Injector Adaptor Kit |
| AP1638 | DELPHI CABLE |
| AP1639 | BOSCH CABLE |
| AP1640 | DENSO CABLE |
| AP1642 | SIEMENS CABLE |
| AP1648 | CABLE FOR HEAVY DUTY APPLICATIONS |
| AP1675 | CABLE FOR MERCEDES APPLICATIONS |
| KO1365-2 | ADAPTOR FOR JOHN DEERE-DENSO |
| BA1369 | FLEXIBLE HIGH PRESSURE HOSE |
| AP1713 | INJECTION DELAY SENSOR CONNECTION CABLE |
| KO1538 | BOSCH CR RETURN CONNECTOR |
| KO1485 | MAINTENANCE KIT |

Optional Accessories and Tools Recommended

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| KO1643 | Common Rail Spare Parts Starter Pack |
| KO1560 | Torque Wrench Digital |
| KO1521 | Denso Repair Tool Set |
| KO1579 | Bosch CRIN 2.0 - 3.0 Service Tool Set |
| KO1382 | CRI 1.0 - 2.0 - 2.2 and CRIN 1.0 Repair Tool Set |
| KO1475 | Clean Bench for Electronic Injector Repair, including Injector Clamp and Ultrasonic Cleaner. |

Required Utilities

Electrical Supply 380VAC 50 or 60 Hz 3 phase



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