

# MERLIN S8000 TEST BENCH WITH TEST PLAN OPTION



The **Merlin S8000** is a fully automatic common rail Injector and Pump test bench.

Ergonomically designed to cater for all sizes of workshop, it has been specifically developed to test Injectors and Pumps including automotive and commercial from all major manufacturers, which include:

Denso, Delphi, Siemens, CAT/Perkins, John Deere, MTU, Bosch Large Engine & L'Orange injectors and fuel pumps.

The s8000 tests the performance of injectors and delivery under different working conditions as follows:

- **Pre-injection**
- **Idle**
- **Mid-range**
- **Max Fuel**



For more information on the S8000 MK2 please click [HERE](#)

## S8000 FUNCTIONS

### INJECTOR TEST:

- High pressure cleaning to flush out the nozzle.
- Test injection & return volume under VL, TL, LL, VE and VE2 status
- Sealing test to check for leaks
- Tests up to 6 solenoid valve injectors in succession or 1 piezo injector at once.

### PUMP TEST:

- Automatically tests volume, pump transfer pressure and ZME performance for Bosch, Delphi, Siemens and Denso common rail pumps.

TEST EQUIPMENT - Tel: +44 (0) 1772 694185

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## S1000 CODING SOLUTION

Common Rail Diesel Engines need a calculated offset made by the ECU to ensure a single injector works cohesively with other injectors and optimizes engine performance.

Our unique software is a cost effective solution to generate these correction offsets (Trim codes). The software enables the user to create C2i/C3i, QR and Bosch IMA correction codes and covers Euro 3,4,5. We will be extending our coverage in the coming year to Euro 6.

**The S1000 software is already installed on the S8000** comes complete with over 2000 test plans. If there is a test plan you require that is not already in the database we will simply provide it to you at no extra cost.



The S8000 comes with comprehensive accessories for more information please contact:  
**testequipment@merlindiesel.com**

Manufacturer		S1000 - Injector Coding ©				Results	
Part Number		Tolerances Table				Injector:	
Injector Count		VL	TL	LL	VE	Bosch - 0 445 110 485	
Serial Number		VL	TL	LL	VE	1 A81LDS	
1		46.30	19.90	4.50	2.00	2 BAANBNA	
2		49.90	22.30	6.60	3.30	3 BIINEAB	
3		51.20	23.30	7.70	3.00	4 AZ85B5A	
4		52.20	21.20	6.80	2.90		

## ADDITIONAL BOSCH INJECTOR REFERENCE UPDATE

We have recently expanded the application database for our S1000 Common Rail Injector coding software solution.

Included in our update are over **50** new popular Bosch injector references. This takes our comprehensive injector part number coverage to over **200** across all the Common Rail Diesel Injector manufacturers, BOSCH, DELPHI, CONTINENTAL and DENSO.

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