

## MERLIN S4000 MK2 TEST BENCH WITH CODING

The **Merlin S4000 MK2** is a fully automatic Common Rail Injector test bench.

Ergonomically designed to cater for all sizes of workshop, the machine has been specifically developed to test Injectors from all the main manufacturers which include: Bosch, Delphi, Denso, Continental and CAT/Perkins/Bosch large engine.

The S4000 MK2 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 S4000 MK2 please  
click [HERE](#)



### S4000 MK2 FEATURES

- Automatically measures & displays the fuel delivery & return quantity under full load, idling & pre-injection.
- Tests oil temperature controlled to 40°C +/- 2°C.
- Customer information & data can be inputted via the keypad.
- Easy to use clamping assembly.
- Equipped with original Bosch CP3 pump, rail, DRV and ZME.
- Test injection & return volume under VL, TL, LL, VE and VE2 status.
- 0-2000 bar.
- Shorter injector test time, improving overall efficiency and energy consumption over the previous S4000 model.



UK SALES - Tel: +44 (0) 1772 694130

EXPORT SALES - Tel: +44 (0) 1772 694133

TEST EQUIPMENT - Tel: +44 (0) 1772 694180

[info@merlindiesel.com](mailto:info@merlindiesel.com)

[www.merlindiesel.com](http://www.merlindiesel.com)

[testequipment@merlindiesel.com](mailto:testequipment@merlindiesel.com)

## 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 S4000 and 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 screenshot shows the S1000 - Injector Coding software interface. It includes a 'Manufacturer' dropdown set to 'Bosch', a 'Part Number' field with '0 445 110 445', and an 'Injector Count' of 4. The 'Results' section displays a list of injector references: 1 A81LDSD, 2 BAANBNA, 3 BIINEAB, and 4 AZ85B5A. Below this is a 'Tolerances Table' with columns for VL, TL, LL, and VE. The table contains four rows of data corresponding to the injectors.

	VL	TL	LL	VE
1	46.30	19.90	4.50	2.00
2	49.90	22.30	6.60	3.30
3	51.20	23.30	7.70	3.00
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.

