

## CRS-708S :



**CRS-708S** test bench is special device to test the performance of high-pressure common rail pump and injector, it can test common rail pump, injector of BOSCH, SIEMENS, DELPHI and DENSO and piezo injector. It tests the common rail injector and pump by flow sensor with more precise and stable measurement. And on this basis, it also can be mounted with optional EUI/EUP test system, CAT HEUI test system. Pump speed, injection pulse width, oil measurement and rail pressure are all controlled by industrial computer by real time. It contains more than 2900 kinds by computer.

**CRS-708S** can fulfill the remote assistance by internet and make the maintenance easy to operate.

### Feature:

1. Main drive adopts the speed change by frequency change.
2. Controlled by industrial computer in real time, Linux or Win7 operating system. Fulfill the remote assistance by internet and make the maintenance easy to operate.
3. Oil quantity is measured by flow sensor and displayed on 19 " LCD .
4. It adopts DRV to control rail pressure which can be tested in real time and controlled automatically. It contains the high-pressure protection function.
5. Pulse of the injector drive signal can be adjusted.
6. Protection function of short-circuit.
7. It can add EUI/EUP system.
8. It can test CAT 320D high pressure common rail pump.
9. It can add HEUI system, The high pressure is provided by the plunger pump, and the pressure is stable.
10. It can test the resistance and inductance of the injector solenoid valve.
11. It can test capacitance of piezo injector.
12. It can test the opening pressure of the injector
13. High pressure can reach 2500bar.
14. Software update easily.
15. Remote control is possible.

### Function:

#### Common rail pump test :

1. test brands: BOSCH, DENSO, DELPHI, SIEMENS.
2. test the sealing of common rail pump.
3. test the internal pressure of common rail pump.
4. test the proportional electromagnetic valve of common rail pump.
5. test the supply pump function.
6. test the flux of common rail pump.
7. measure the rail pressure in real time.

### **Common rail injector test :**

1. test brands: BOSCH, DENSO , DELPHI,SIEMENS, piezo injector.
2. test the sealing of common rail injector.
3. test the pre-injection of high-pressure common rail injector.
4. test the max. oil quantity of high-pressure common rail injector.
5. test the cranking oil quantity of high-pressure common rail injector.
6. test the average oil quantity of high-pressure common rail injector.
7. test the backflow oil quantity of high-pressure common rail injector.
8. Data can be searched, printed and saved into database.

### **Other function:**

1. EUI/EUP test is optional.
2. Can test CAT C7/C9 HEUI injector, is optional.
3. Can select BOSCH 6, 7, 8, 9 bits, DENSO 16, 22, 24, 30 bits, DELPHI C2i, C3i coding.
4. Can test CAT HEUI actuation pump, is optional.
5. Can select response time of injector.
6. Create QR code function is optional.

### **Technical Parameter:**

1. Pulse width: 100-3000 $\mu$ s;
2. Fuel temperature: 40 $\pm$ 2 $^{\circ}$ C;
3. Rail pressure: 0-2500 bar;
4. Test oil filtered precision: 5 $\mu$ ;
5. Oil temperature: heating/cooling
6. Input power: AC 380V/50HZ/3Phase or 220V/60HZ/3Phase;
7. Rotation speed: 100~4000RPM;
8. Oil tank capacity: 60L;
9. Common rail pump: Bosch Cp3.3;
10. Control circuit voltage: DC24V/DC12V;
11. Flywheel inertia's moment: 0.8KG.M<sup>2</sup>;
12. Center height: 125MM;
13. Output power: 11KW;
14. Overall dimension(MM): 1910 $\times$ 1000 $\times$ 1835;
15. Weight: 1000 KG.