

S-1000

CR INJECTOR TEST BENCH

Professional Common Rail Injector Testing Platform

A precision-focused test bench for Common Rail injectors, combining automated testing, high-accuracy flow measurement, injector coding and real-time performance analysis.

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KEY SPECIFICATIONS

MODEL NUMBER	S-1000	POWER SUPPLY	3.8 kW / 220 VAC / 380 VAC
PHASE	Single Phase / Three Phases	MAIN TANK CAPACITY	30 Litres
DROP TANK CAPACITY	25 Litres Rail	RAIL PRESSURE TEST RANGE	0–2700 bar
PUMP SPEED	0–4000 RPM	DIMENSION	110 × 110 × 190 cm

COMMON RAIL	SUPPORTED BRANDS	HIGH PERFORMANCE
Supports all types of Common Rail injectors, including piezo, and common rail pumps.	Bosch, Denso, Delphi, Siemens, Caterpillar and Cummins — solenoid and piezoelectric systems.	Automated testing, high-precision flow measurement and real-time analysis.

FUNCTIONS & TESTING CAPABILITIES

- Powered by 220V / 380V, single or three phase.
 - Supports all types of Common Rail injectors, including piezo, and common rail pumps.
 - Compatible with Bosch, Denso, Delphi, Siemens, Caterpillar and Cummins systems.
 - Automatic testing of tightness, full load flow, return flow, idle/mid-speed flow, pre-injection flow and performance curves.
 - Maximum rail pressure up to 2700 bar, supporting high-, medium- and idle-speed testing.
 - Solenoid tests: response time (BIP), armature lift, resistance and inductance.
- Drive tests: turn-on pulse width and pressure.
 - German-imported high-precision flow sensors; data matches original Bosch standards.
 - Generates Bosch IQA, Cummins XPI QR, Denso QR, Delphi QR and Siemens QR codes.
 - Real-time online system updates.
 - Optional industrial air cooling.
 - 24/7 operation at ambient temperatures up to 42°C.
 - Supports Bosch CRIN4 (4-pin) injectors.

SYSTEM & APPLICATION HIGHLIGHTS

PRECISION TESTING	INJECTOR CODING	CONTINUOUS OPERATION
German-imported high-precision flow sensors provide accurate measurement aligned with Bosch standards.	Bosch IQA • Cummins XPI QR • Denso QR • Delphi QR • Siemens QR.	Optional industrial air cooling supports 24/7 operation and high reliability.

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Professional Automotive Diagnostic & Workshop Equipment
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