

DIESEL EQUIPMENT

RABOTTI
CRS100/CRS100+

The CRS100/CRS100+ test benches are the ideal solution for modern workshops specializing in the repair of multi-brand Common Rail Diesel injectors.

Their electronics and software have been completely redesigned to expand the system's functionality. The injected fuel quantity is measured by a volumetric flow meter ("cylinder") specifically designed for this application. This ensures both accuracy and speed, while also allowing shot-to-shot injection analysis.

External devices such as Coder, QR Coder, and IIC Coder are no longer required.

Features

Testing of Bosch Dual Coil injectors (CRIN4.2)
Testing of large-displacement Diesel engine injectors ("LDE" type, such as L'Orange)
Testing of Cummins XPI Injectors
Testing of HEUI injectors
Testing of Caterpillar injectors
Coding IMA for Bosch electromagnetic injectors for passenger vehicles (CRI2)
Coding IMA 6/10 characters for Bosch industrial electromagnetic injectors (CRIN)
Coding ISA 7/10 characters for Bosch piezoelectric injectors (CRI3)
Coding C2I / C3I / C4I for Delphi injectors (DFI1, DFI1.5, DFI1.20)
Coding for Delphi injectors F2 (F2P / F2E / F2R) Euro 6
Coding 16/22/24/26/30 characters for Denso injectors
Coding for Siemens/VDO/Continental injectors
Integrated Pressure Sensor check for Denso i-ART injectors

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Technical data

FEATURE	VALUE	NOTES
Dimensions	1624 x 920 x 895 mm	With display arm
Weight	300 kg	
Oil type	ISO 4113	
Tank capacity	~ 30 l	
Operating temperature	40 ± 3 °C	Typical
Power supply	400 V - 50 Hz - 8A	3P + N + GND
Maximum pressure	Up to 2500 bar	
Power requirement	6,8 kW	
Delivery flow range	1 ÷ 400 mm³/stroke	Shot-to-shot flowmeter
Return flow range	1 ÷ 4000 cm³/min	
Cooling system	Air fan	Water input max 20 °C, optional chiller
Air supply	min. 4 bar	
HMI (human-machine interface)	15" touchscreen	
Operating system	Windows 10/11 PRO	
Injector fixtures CRS100 / CRS100+	**1 / 2**	
Measurement cylinders CRS100 / CRS100+	**1 / 2**	

Highlights

“Pay as you go” coding

Our Pay As You Go model provides flexible, cost-efficient injector coding—purchase credits only for the coding operations you need. No upfront fees, no wasted licenses—just scalable, on-demand access to coding for all major injector brands.



Indra Software

Rabotti’s Indra Software is the advanced control system powering our test benches, offering precise real-time monitoring, automated diagnostics, and customizable testing for fuel injectors, pumps, and more. With an intuitive interface and multi-brand compatibility, it ensures accurate, efficient performance validation.



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