

DIESEL EQUIPMENT

RABOTTI
CRS200+/CRS400

The new Rabotti CRS200+/CRS400 benches are the result of the long experience gained by the Rabotti staff at the service of modern repair workshops for Diesel injection systems.

They feature a modern and lighter structure, with particular attention to the convenience of installing pumps and injectors to be tested, while preserving the historical strengths of the Rabotti benches, such as reliability, ease of use, the breadth of the database, and the accuracy of our shot-to-shot measurement system ("Cylinder"), which is now widely recognized by the market.

Features

Testing of Dual Coil Bosch Injectors (CRIN4.2)
Testing of Cummins XPI injectors
Testing of Large Diesel Engine Injectors (“LDE” such as L’Orange)
Testing of HEUI injectors
Testing of Caterpillar injectors
Coding IMA for Bosch Solenoid injectors (CRI2)
Coding IMA 6/10 characters for Heavy Duty Bosch injectors (CRIN)
Coding ISA 7/10 characters for Piezoelectric Bosch injectors (CRI3)
Coding C2I/C3I/C4I for DFI1-DFI1.5 and DFI1.20 Delphi injectors
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
Testing Bosch CP1/CP3/CP4 CR pump
Testing Delphi DFP1, DFP3, DFP4, DFP6, DFP7 pump
Testing Denso HP3, HP4 pump (Integrated NTC sensor check)
Testing Siemens/VDO CR pump
Testing Synchronized pumps, Bosch CP4E, Denso HP5, Continental DHP1

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Technical data

FEATURE	VALUE	NOTES
Dimensions	1600 x 900 x 1820h mm	Adjustable feet
Weight	~ 550 kg	
Calibration fluid compliance	ISO 4113	Calibration Fluid CV suggested
Tank	Clean fuel ~ 32 L Flush volume ~ 12 L	
Fuel Heater	2 kW	Electric type
Operating Temperature	40 ± 3 °C	Typical
Electric Motor	11 kW – 4p – 50/60 Hz	Asynchronous
Power supply	400 Vac – 26 A 50/60 Hz	3P + N + PE
Rated Pressure	2500 bar	3000 bar rupture disk
Max Motor Speed	4500 rpm	Inverter controlled
Feed Pressure	0 ÷ 6.5 bar	Automatic control, electronic measurement
Vacuum Pressure	-1 ÷ 0 bar	Electronic measurement
Air supply	min. 4 bar	
Injected flow range	0.1 ÷ 450 mm3/str.	Shot-to-Shot flowmeter
Injector backflow range	1 ÷ 1000 cc/min	
Pump delivered flow range	0.001 ÷ 4 l/min	
Pump backflow range	0.2 ÷ 4.5 l/min	
LDE Injector flow	1 ÷ 1500 mm3/str.	
Cooling System	Air fan + Water line	Max input water temperature 20°C, chiller available as option
OS	Windows 10/11 PRO	
HMI	21” touchscreen	
Injector fixtures CRS200+ / CRS400	**2 / 4**	
Measurement cylinders CRS200+ / CRS400	**2 / 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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