

# PT2012 • CRe

An easy solution for a big problem

Worldwide sales and service network provide timely and reliable support to all questions.

pumptester

CRe

Mechanical and Common Rail Pump Test Bench



**Independent  
solution provider  
for diesel  
injection problems**



Today we all know that we need some equipment to test mechanical diesel pumps as well as common rail system pumps. Tomorrow will have different systems, Hydraulically Amplified Common Rail etc. Every passing year, we are receiving newer diesel injection systems with different requirements for repair and test.

Maktest has designed PT2012.CRE for testing both old and new systems with success...

Built-in Common Rail pump testing.

The most advanced feature for PT2012.e is the built-in Common Rail Pump testing capability. The test bench is designed to test common rail pumps, and is delivered with the rail block and necessary attachments.

With its new Dual Metering System, PT2012.e measures 2 cylinder's output at the same time. Therefore the measurement is completed within seconds with precision.

Traditional test bench with features not very traditional...

Maktest has training centers in 5 locations around the world. Training centers are focused to help customers to stay up to date with new diesel injection systems. Customers are trained for repairing common rail injectors, using special tools and interpretation of test results. Training centers provide continuous support to the customers to help them solve their repair and diagnose problems with diesel injection problems.



repairing the future..



**MAKTEST**

Maktest is manufacturing diesel injection test equipment since 1977. Maktest products are distributed in more than 70 countries around the world and more than 3000 test equipment is actively in operation in these countries. Well recognized brand names dizotester, pumptester, injectester, unittester are Maktest products.

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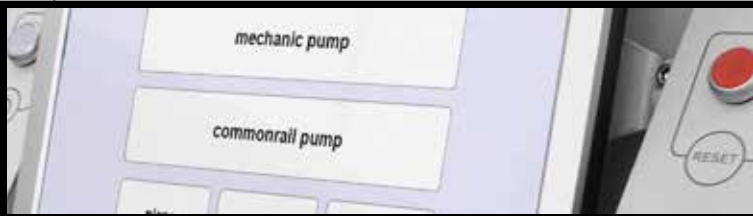
### FEATURES

Absolute accuracy...



New metering system incorporating an advanced sensor and electronics, capable to measure flow rate with 0.033 mm<sup>3</sup> resolution. This feature also enables our new electronics to measure each injection separately. The new metering technology is called shot-to-shot metering, which is only used in factory production class equipment so far.

17" Touch Panel with user-friendly interface



Colorful LCD screen and touch panel control interface present the most user-friendly control interface ever built for Pump testing equipment. Touch panel controls provide users navigate through control panel menu pages easily. Creating test plans to safely store in the memory has never been this easy. New test creator function allows every test to be stored as a test plan template that can be used for creating a test plan for both CR. and mechanical pumps.

Completely Digital Test Bench



PT2012.CRE is completely digital with all pressure, rack travel and delivery measurements. Therefore, the test reports created by Pumpmaster CRE are the most comprehensive test reports for the purpose.

Comes with all adapters and accessories including Common Rail Pumps



PT2012.CRE is delivered with most common mechanical inline, distributor and Common Rail pump mounting adapter sets and cables. Test bench is delivered with a special rail cabinet with all pressure controls and sensors.



### Technical Specifications

Drive System	20 HP - direct drive
Speed Range	40-4000 rpm
Flywheel	1.5 kgm <sup>2</sup>
Test Fuel Transfer	0-6 bar
Lube Oil Transfer	0-6 bar
Cooling System	Without water, air cooling
Display	17" LED with Touchpanel
Computer	Win7 - 16 GB SSD HD
Ways of Measuring Digital Cramer	Max 30 mm with 0.1 mm resolution
CR Max Pressure	1800 bar (2200 bar upgradeable)
Max Flow @2000 rpm	4000 mm <sup>3</sup> /H
All pressure readings are digitally displayed.	

### Delivered Accessories With This Product

AP1689	CP2 BOSCH CP3 PUMP SCV CABLE
AP1693	HP3 SCV VALVE CABLE
AP1694	CP1-SIEMENS-DELPHI PUMP CABLE
AP1731	CP1 MERCEDES CABLE
ADAPTER and FLANGES FOR INLIDE and ROTARY PUMPS	
12 PCS. TEST INSECTORS and 3 SETS TEST LINES	

### Optional Accessories and Tools Recommended

KO1475	Clean Bench for Electronic Injector Repair, including Injector Clamp and Ultrasonic Cleaner.
KO1347.e	Bosch CP2 - Denso HP0 CR Pump testing simulator kit.

### Required Utilities

PT2012.CRE	360 - 415 VAC 50/60 Hz (3 faz) 62 A
Air Supply	Min. 5 bar, dry and oil free.



repairing the future..



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Independent solution provider  
for diesel injection repair systems.



Regional Distributor (Asia, Middle East and Africa):  
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Maktest reserves the right to change product configuration and specifications. Maktest is not responsible for printing and typing errors.



The Bench Dimensions:  
Width 1915 mm  
Depth 980 mm  
Height 1800 mm  
Weight 1004 kg



Package Dimensions:  
Width 2100 mm  
Depth 1140 mm  
Height 1970 mm  
Weight 1154 kg