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.

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, unitester are Maktest products.
An easy solution for a big problem
Worldwide sales and service network provide timely and reliable support to all questions

Features
Absolute accuracy...

New metering system incorporating an advanced sensor and electronics, capable to measure flow rate with 0.033 mm\(^3\) 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 presents the most user-friendly control interface ever built for Pump testing equipment. Touch panel controls provides users navigate through control panel menu pages easily. Creating test plans to safely store in the memory has never been this easy. New test an 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 Pumptester CRE are the most comprehensive test reports for the purpose.

Comes with all adapters and accessories including Common Rail Pumps

Technical Specifications

<table>
<thead>
<tr>
<th>Drive System</th>
<th>20 HP - direct drive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed Range</td>
<td>40-4000 rpm</td>
</tr>
<tr>
<td>Flywheel</td>
<td>1.5 kgm²</td>
</tr>
<tr>
<td>Test Oil Transfer</td>
<td>0-6 bar</td>
</tr>
<tr>
<td>Lube Oil Transfer</td>
<td>0-6 bar</td>
</tr>
<tr>
<td>Cooling System</td>
<td>Without water, air cooling</td>
</tr>
<tr>
<td>Display</td>
<td>17” LED with Touchpanel</td>
</tr>
<tr>
<td>Computer</td>
<td>Win7 - 16 GB SSD HD</td>
</tr>
<tr>
<td>Digital Rack Gauge</td>
<td>Max 30 mm with 0.1 mm resolution</td>
</tr>
<tr>
<td>CR Max Pressure</td>
<td>1800 bar (2200 bar upgradeable)</td>
</tr>
<tr>
<td>Max Flow @2000 rpm</td>
<td>4000 mm/M</td>
</tr>
</tbody>
</table>

Delivered Accessories With This Product

AP1638 DELPHI CABLE
AP1639 BOSCH CABLE
AP1640 DENSEO CABLE
AP1648 CABLE FOR HEAVY DUTY APPLICATIONS
AP1675 CABLE FOR MERCEDES APPLICATIONS

Optional Accessories and Tools Recommended

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

Required Utilities

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

Optional Accessories for Various Common Rail Injector Applications

See Maktest website for rich adapter set catalogue for various truck applications.

Please contact to the nearest dealer to obtain latest adapter list for Common Rail Injectors. Maktest is continuously work design adapters for the new injectors.