

DCP 800: Bosch expands its diesel testing technology range with a new pump test bench

Efficient and precise testing of common-rail pumps for modern workshops

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- ▶ Test times of around 20 minutes increase productivity in the workshop
- ▶ Precise testing of common-rail pumps up to 2,700 bar system pressure
- ▶ High flexibility through broad pump coverage and system compatibility
- ▶ Ergonomic design and adaptable operating solution support efficient workflows

Plochingen, Germany – Bosch is expanding its portfolio for diesel components with the new DCP 800 test bench. The abbreviation DCP stands for Diagnostic Common-Rail Pump and refers to a test bench specially developed for common-rail high-pressure pumps. The system helps workshops meet the increasing demands for efficiency, precision, and economy in diesel service.

High-performance technology for precise test results

The DCP 800 enables the testing of common-rail pumps for passenger cars, commercial vehicles, and off-road applications at pressures of up to 2,700 bar. A powerful 25-kW electric motor is directly connected to the drive mechanism and operates without intermediate systems. This drive concept supports precise and reliable testing, particularly for commercial and heavy-duty vehicle applications. Automated inlet and counter-pressure regulation, as well as electronic flow measurement, further contribute to measurement accuracy.

Efficient workflows in the workshop

A key advantage for workshops is the high efficiency of the test sequences. With test times of around 20 minutes – regardless of the application – service processes can be significantly accelerated. At the same time, a quick setup process combined with predefined, standardized test plans ensures simple and repeatable test execution.

Optimized filtration, cooling, and measurement systems support automated maintenance intervals and help reduce operating costs.

The test bench covers a broad spectrum of Bosch common-rail pumps, including the CP1 to CPN6 series. Furthermore, it is compatible with existing generations of Bosch test kits such as CP1, CP3, and CBX8 from EPS 815/708 systems. This allows workshops a gradual and economical transition to the new testing technology.

Flexible integration into different workshop environments

A newly developed drive coupling system, which enables the quick mounting of different pump types, provides additional flexibility in the workshop. An adapter solution ensures that older coupling designs can continue to be used. The ergonomic machine concept with three-sided access supports comfortable and safe operation.

The operating computer with a screen for controlling and monitoring the test sequences can be positioned on either side of the test bench, depending on workshop requirements. This allows the DCP 800 to be easily adapted to different workshop specifications. Workshops benefit from optimized workflows, ergonomic operation, and seamless integration into their existing workspace.

The DCP 800 complements the existing Bosch test benches for common-rail injectors and enables workshops to perform comprehensive testing of pumps and injectors from a single source. The new test bench will make its debut at Automechanika Frankfurt from September 8 to 12, where it will be showcased live for the first time.

Press photos and infocharts are available on the Bosch Media Service at www.bosch-press.com.

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About Bosch Mobility Aftermarket

The Bosch Mobility Aftermarket division (MA) is one of the world's leading providers of spare parts, diagnostic solutions and repair-shop equipment for passenger cars, two-wheelers and commercial vehicles. Its product portfolio includes products made as Bosch original equipment, products developed in-house and specifically manufactured for the aftermarket, as well as services. In addition to new parts, the range also comprises a large number of remanufactured exchange parts, thereby contributing to a resource-conserving circular economy. A key pillar in this context is the Bosch eXchange program, with which the division generated around 400

million euros in sales in 2025. Around 16,000 associates and a global logistics network ensure fast and reliable supply to distributors and repair shops worldwide. MA also supplies modern testing and repair-shop technology, diagnostic software, training, as well as technical information and services, which are increasingly being expanded through software- and AI-based solutions. In addition, the division includes the “Bosch Service” workshop concept with around 13,000 workshops worldwide, as well as “AutoCrew” with more than 700 workshops in over 100 countries. Furthermore, with Bosch Classic, MA supports owners of classic and modern classic cars with a wide range of spare parts and services.

Additional information can be accessed at <http://www.boschaftermarket.com>

About Bosch

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Additional information is available online at <http://www.bosch.com/>, <http://www.bosch-presse.de>.