



**BOSCH**  
Invented for life

# DCI 700

The new diesel test bench  
for common rail injectors



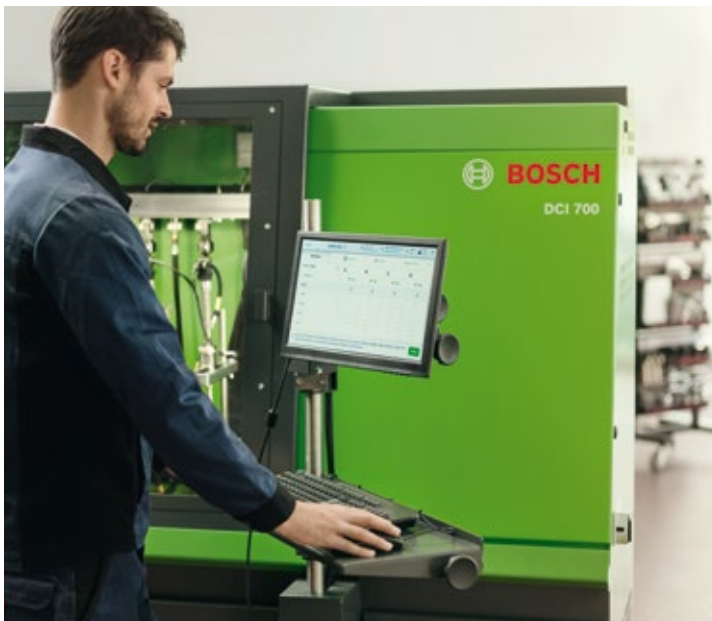
# Speed

**that inspires.**

up to 70 % testing time reduction: a set of standard injectors tested within 15 minutes



The latest exhaust emission standards and future directives increase the significance of testing common rail injectors in modern diesel engines. Therefore, the more precise the measurement is, the more accurately the injector can be adapted to perform at its maximum efficiency. Our solution: the new DCI 700 diesel test bench from Bosch effectively secures a competitive advantage for your workshop today and for years to come. With its new high-speed precise measurement system, the DCI 700 has reduced setup and test times as well as user-friendly operation.



**?** Did you know?

out of 1.855 Bosch order numbers

**690 Mio.**

Bosch CRI/CRIN injectors are on the road worldwide.

# Precision

**that pays off.**

Ideally equipped for  
the challenges of the future

## Advantages for your workshop:

- ▶ Up to 70 % shorter test times: mounting and demounting of a set of standard injectors within five minutes and an average of 15 minutes testing time
- ▶ Higher quality, reliability and transparency for Bosch injectors thanks to fast and precise testing, including IMA/ITA/NIMA coding
- ▶ Maximum effectiveness through patented rotating rail concept Vulnerable high-pressure hoses are no longer required, reducing maintenance costs and easy setup
- ▶ Always up to date through regular online updates
- ▶ Ergonomic design and bevelled lower part to allow comfortable working directly at the test bench
- ▶ Capable of testing common rail injectors with VCC (Valve Closing Control) and NCC (Needle Closing Control) technology
- ▶ Fit for the future thanks to modular retrofit kits for passenger cars, commercial vehicles and off-highway common rail injectors - from Bosch and other manufacturers (Delphi, Denso, VDO)
- ▶ Thanks to the comparison of the part number with database information, the return back pressure is set automatically, thus eliminating the need for necessary valves



## Always up-to-date thanks to software subscriptions

The software subscription is a novelty and necessary for initial operation of your DCI 700. In addition to the activation, it enables regular online updates for perfect operation. The software provides current data, ensures smooth processes and pays off after only 6 tested injector sets.

### Choose your subscription:

- ▶ CRI: 1 687 P15 090
- ▶ CRIN incl. CRIN 4.2: 1 687 P15 100

# Technical Data:

Technical Data	DCI 700
Test pressure	30 MPa – 250 MPa
Max. Rail pressure	260 MPa
Mechanical pressure limitation	270 MPa
Rail pressure control by:	2 Pressure control valve (DRV) on Rail and MeUN (ZME) in CP4
Automatical Injector back flow pressure control	50 kPa – 1200 kPa
Used HD pump for test pressure generation	CP4.2 (CP4-25)
Capacity of test oil tank: at the max. marking at the max. marking	45 l 35 l
Tightening torques of high-pressure connections, locking screws	25 Nm
Dimensions with monitor and keyboard tray (W / H / D in mm)	1616 x 1736 x 1082
Dimensions w/o monitor and w/o keyboard tray (W / H / D in mm)	1616 x 1736 x 786
Weight w/o test oil	590 kg
Operating System	Windows 10 IoT Enterprise 2019 LTSC, 64 Bit
AC Voltage supply	180 VAC - 230 VAC (0 683 725 002) 380 VAC - 440 VAC (0 683 725 001)
Rated current	15 A
Fuse	16 A
Phases	3P - PE
Input frequency	50 Hz/ 60 Hz
Protection class entire test bench	IP 20
Air pressure, corresponds to a height of	700 hPa – 1060 hPa ≤ 2200m
Workplace-related emission sound pressure level according to DIN EN ISO 11201	< 69,2 dB(A) +/- 2,5 dB
Operating temperatur	5 °C – 40 °C
Max. permissible relative humidity	≤ 90 % (at 25 °C and 24 hours duration)
Storage temperature	-20°C bis 60°C
Software and database updates	via DDM (Diagnostics Download Manager, internet connection necessary)

## DCI 700 scope of delivery:

- ▶ High pressure pump CP4.2
- ▶ CRI accessory kit for solenoid and piezo CRIs
- ▶ 15.6" LCD Touchscreen
- ▶ Swiveling tray for keyboard and mouse

## Accessories

**With the optional accessories, the DCI 700 can be used for CRIN as well as for future generations of injectors.**

- ▶ CRIN 1, CRIN 2, CRIN 3: 1 687 010 607
- ▶ CRIN 4.2: 1 687 010 608
- ▶ CRI 3rd party: 1 687 010 609

# The new DCI 700 diesel test bench at a glance:



**order number** DCI 700 400 V, 50 Hertz: 0 683 725 001  
DCI 700 200 V, 60 Hertz: 0 683 725 002



Learn more about the DCI 700 in the product video:  
[youtube.com/c/BoschAutoTools](https://www.youtube.com/c/BoschAutoTools)



Configure the DCI 700 to meet your requirements:  
[bit.ly/AA\\_Configurator](https://bit.ly/AA_Configurator)



# Driven by Efficiency

Bosch technologies are used worldwide in almost all vehicles. People, and assuring their mobility, is what we are focused on.

Therefore, we have dedicated the last 125 years of pioneering spirit and expertise in research and manufacturing to achieving this.

We continue to work on our unique combination of solutions for spare parts, diagnostic devices, workshop equipment and services:

- ▶ Solutions for efficient vehicle repairs
- ▶ Innovative workshop equipment and software
- ▶ The world's most comprehensive range of new and replacement parts
- ▶ Large network of wholesale customers, for quick and reliable parts supply
- ▶ Competent hotline support
- ▶ Comprehensive educational and training offers
- ▶ Targeted sales and marketing support

Find out more at:  
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What drives you  
drives us

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