



ELKOSO[®]

AUTOMOTIVE MANUFACTURING SOLUTIONS



Elkoso thrives on collaboration, partnering with **global leaders** in the automotive Industry and **industry experts**.

These strategic alliances enable us to exchange knowledge, stay ahead of emerging trends, and **innovate**, ensuring our products consistently exceed customer expectations and meet market demands.

OUR COLLABORATIONS



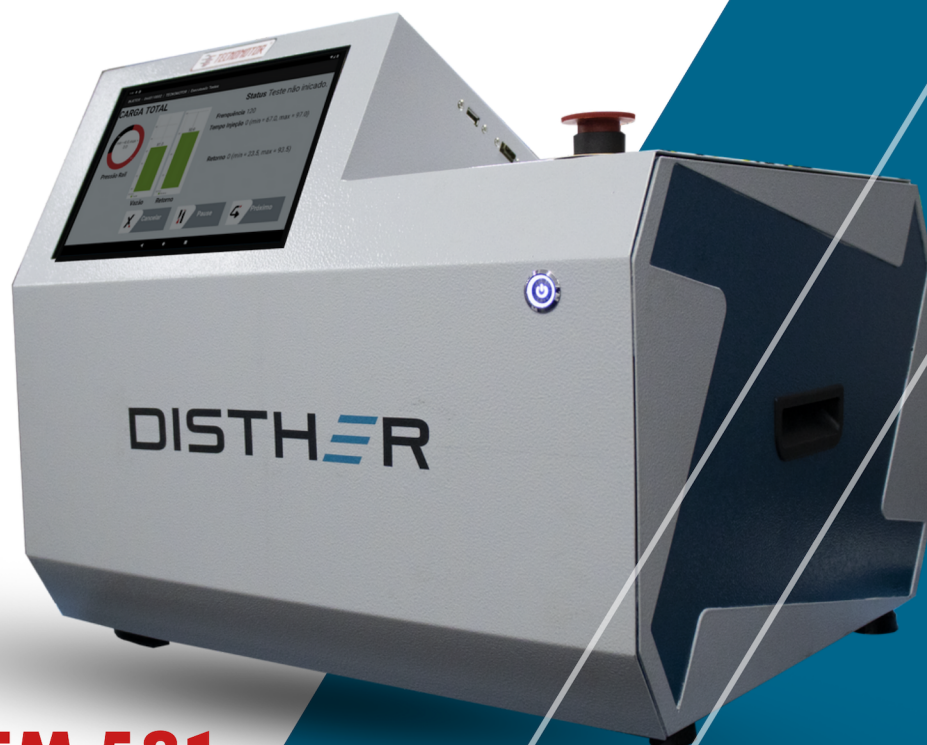
ELKOSO is the official dealer of Tecnomotor in Europe and the Middle East, providing all the products, technical support and training. Tecnomotor is a Brazilian company with over 40 years of experience, considered the leader in its branch, with permanent focus on equipment production and development of solutions for vehicle inspection and auto repair.





ELKOSO[®]

AUTOMOTIVE MANUFACTURING SOLUTIONS



DISTHER - TM 581

Technology, transformation
and result. The solution for test
of High Pressure Common Rail
Diesel Pumps



TECNOMOTOR[®]

OVERVIEW

Disther - TM 581

Disther is a compact, high tech module for valves actuation, pressure and flow measuring. It was developed for testing high pressure Diesel Common Rail pumps, supplying more reliability and precision with results never seen before in the American market.

By adding hydraulic connections, some sensors (pressure and rotation) and valves (rail and DRV) Disther turns your pump test bench into a modern and sophisticated equipment for pump valves actuation, pressure and flow measuring.

HIGHLIGHTS

EXCLUSIVE TECHNOLOGY

With Disther your test bench receives technological resources, with official manufacturer´s reference parameters, pressure control and digital flow measuring.

It has an exclusive diagnosis test plan that consists of a guided test enabling the performance analysis of the internal elements of the pump, which facilitates the repair work.

It tests pumps with synchronized actuation of the pressure valves, such as Denso HP5 (Toyota Hilux), Caterpillar (326-4634) among others.



MAIN FEATURES

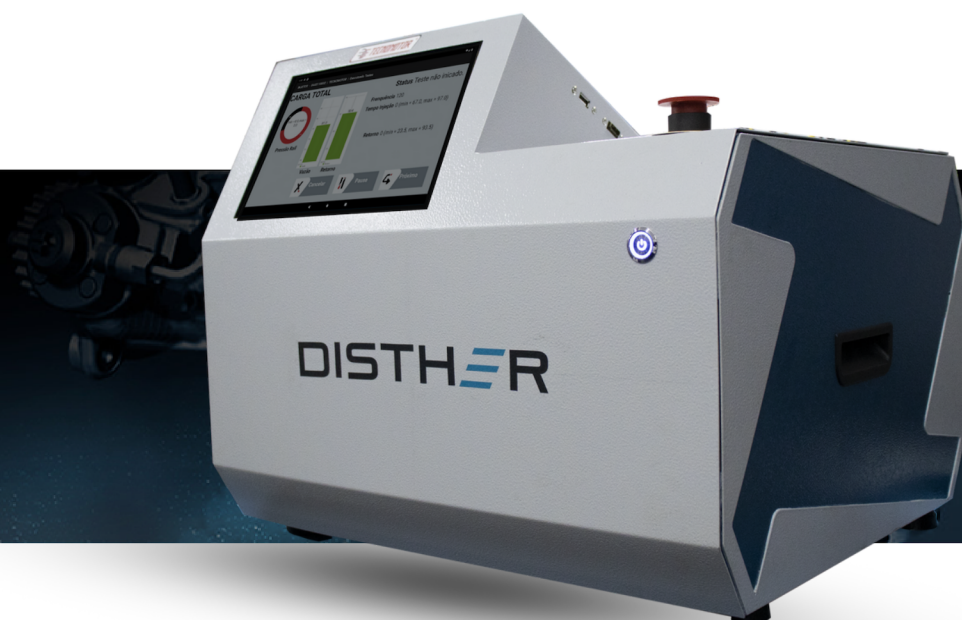
Disther - TM 581

- It includes pressure rail, inlet vacuum meter, pressure rail holder, harnesses and hoses.
- It tests high pressure pumps by following the parameters from the manufacturers (Bosch, Delphi, Denso, Caterpillar, among others).
- Its diagnose test plan aims to be a guided test that enables the performance analysis of the internal elements of the pump facilitating the repair work.
- Test of CR regular pumps.
- Test of CR synchronized pumps (Hilux | Caterpillar).
- Application table with reference parameters from manufacturers.
- Official and Diagnose test mode.
- 10.1" Touch Screen Display.
- Issuing of test reports with online sharing.
- Wi-Fi connection for updating and sending information.
- Pressure and flow electronic control with high precision digital measuring.
- Online updating.

TECHNICAL SPECS

Disther - TM 581

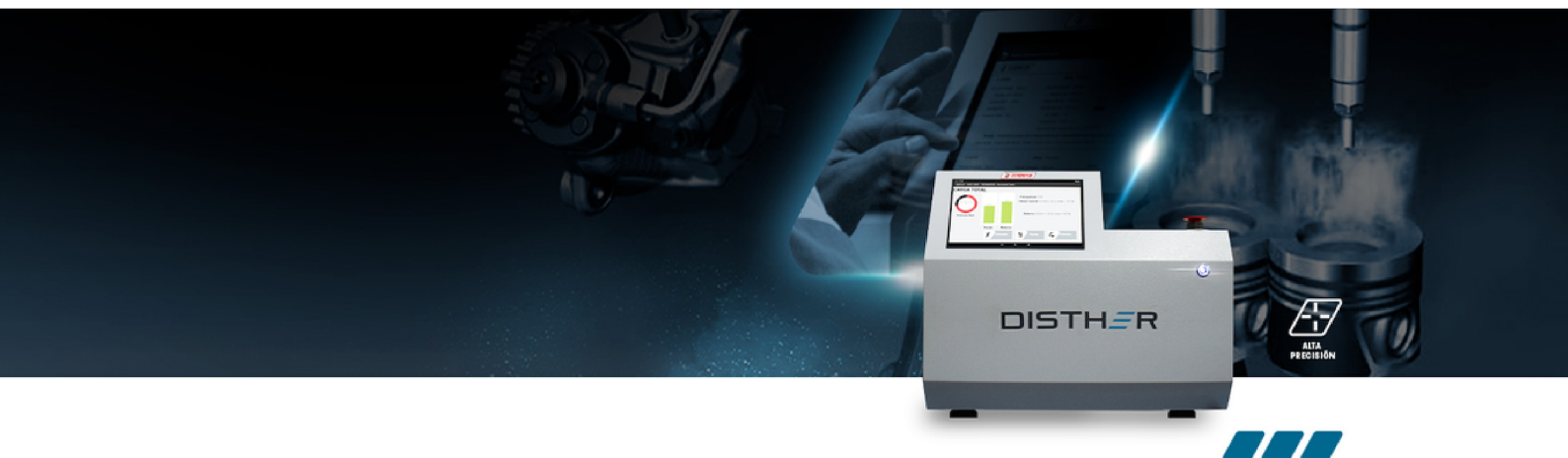
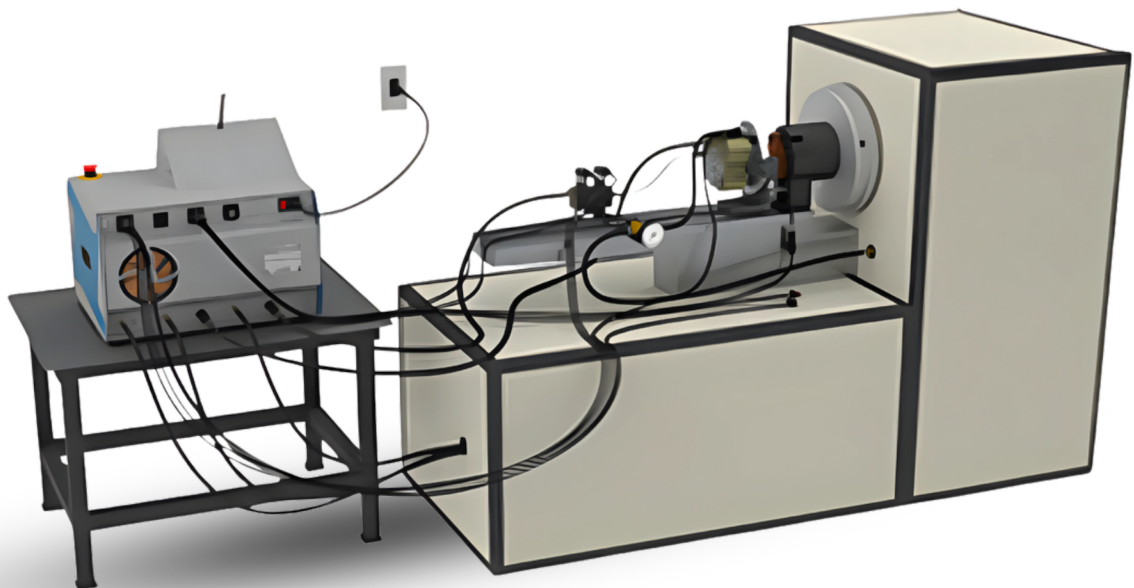
- Power Input: 220V, 60Hz;
- Consumption: 350W;
- Display: 10.1' (1280x800);
- Android: 8.1;
- Wi-Fi connection;
- USB connection;
- HDMI connection for screen mirroring;
- Inlet test fluid filters 40u;
- Equipment weight: 21 Kg;
- Equipment weight + hoses + cables: 24,8 Kg;



FOR TEST BENCH

Minimum Requirements

- Test fluid temperature control between 42° and 54°
- Capacity: 20L
- Test fluid feeding and pressure control up to 5 bar
- Speed and rotation sense control
- Mechanical inertia flywheel: 2-kg
- Electric motor power: 10CV





ELKOSO[®]

AUTOMOTIVE MANUFACTURING SOLUTIONS



COMMON RAIL TEST - TM 514

Amazing speed
Incredible, unmatched, flawless.
Only who knows understands



TECNOMOTOR[®]

OVERVIEW

Common Rail Test - TM 514

The test speed and the coding potential turn the TM514 into an incredible equipment for repair and test of INJECTORS, SENSORS and VALVES of vehicles with Diesel COMMON RAIL system.

With electronic pressure control and injectors activation through electric signals, the TM514II Test Bench simulates the working conditions found inside the vehicle's engine, and executes tests in the main components of the market: Bosch, Denso, Delphi, Siemens, Cummins among others. Due to the efficiency of this machine the day will seem as if it has more than 24 hours.

Performs tests up to 2400 Bar

HIGHLIGHTS

Undisputable superiority

The TM 514 puts together some exclusive features:

- The fastest in the market with test times from 5 to 12 minutes
- Economy! More tests with less fluid (5,5 liters)
- Versatile! Generates codes for Bosch, Denso, Delphi and Siemens
- Brazilian equipment 100%



MAIN FEATURES

TM 514

- Tests up to 2400 Bar
- Test of solenoid and piezo injectors
- Electric and leak test for each injector, in order to detect short circuits, interruptions and leaks. Get the results of the injector test in 5 to 12 minutes.*
- Get the results of the injector test in 5 to 12 minutes.*
- Solenoid Bosch, Denso and Delphi injectors as even as Piezo Bosch and Siemens injectors can be coded**
- Test the main components from the market using just one machine (Bosch, Denso, Delphi, Siemens, Cummins among others)
- It has an exclusive magnetic tools holder, that helps to organize better your workplace
- The TM514II executes several tests using just 5,5 liters of test fluid. This is ECONOMY!
- The software COMMON RAIL PC FAST has the biggest Database of Brazil and is being updated constantly.
- interface with friendly operation, easy interpretation and use.
- Online update
- Direct access to TECNOMOTOR! The user can get in touch with Technical Support by means of a CHAT embedded into the software, which makes the customer service much faster, safer and personalized.



TECHNICAL SPECS

TM 514

- Input: 220V / 380V - 60Hz Three Phase
- Consumption: 5000VA
- Tank capacity: 5,5 liters
- Test fluid: ISO 4113 (Check the list of homologated fluids)
- Maximum work pressure: 2400bar
- Dimensions: 791 x 722 x 726 mm (L x W x H)
- Weight: 115Kg

SOFTWARE

TM 514

- Common Rail PC Fast
- Valve test
- Leak Test
- Results with ongoing test
- RastherPC

Minimum computer requirements:

- Multicore 2Ghz processor or superior of 32bits (x86) or 64bits (x64)
- 2Gb RAM memory (32bits) or 4Gb RAM memory (64bits)
- 1Gb free in HD
- DirectX 9 graphic device with WDDM 1.0 driver or superior
- Mouse, keyboard and LCD monitor with minimum resolution of 1024 x 768
- USB 2.0 port for connection with the equipment
- Windows 7 operating system or superior
- Internet link for software and hardware updates





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