

Technical Information

VNTiHD/NG



turboclinic



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INTRODUCTION

The VNT i HD NG is an equipment to adjust VNT turbochargers from light and heavy vehicles with pneumatic and electronic actuators.

With an innovative mounting system suitable for light and heavy turbochargers, this TurboClinic equipment brings new features such as Auto-calibration whenever the machine starts and a new precision module.

This new generation of equipment comes with greater integration with the TurboClinic 4.0 Platform, allowing remote monitoring and updating of the equipment.

FEATURES

- \\ Adjustment of light and heavy vehicles' VNT turbochargers with pneumatic and electronic actuators;
- \\ Tests electronic actuators from light and heavy vehicles;
- \\ Program electronic actuators from light vehicles;
- \\ Tests the wastegate valves (vacuum/pressure);
- \\ Test cartridges for leaks;
- \\ Autocalibration VNT;
- \\ Automatic Adjustment of Turbochargers with Electronic Actuator;*
- \\ Optimized Value for Best Efficiency;*
- \\ Simplified Vacuum Adjustment;*
- \\ Pneumatic Actuator with Position Sensor;*
- \\ New Compressor Wheel lockout System;
- \\ Higher precision with 2 independent working modes: Standard and Precision;;
- \\ Integration with the Platform TurboClinic 4.0 (remote monitoring and update of equipment);
- \\ Several modules are available with the Pay-per-Use option;
- \\ Test reports;
- \\ 21,5" adjustable touchscreen;
- \\ Newly designed interface;
- \\ RJ45 network connection.

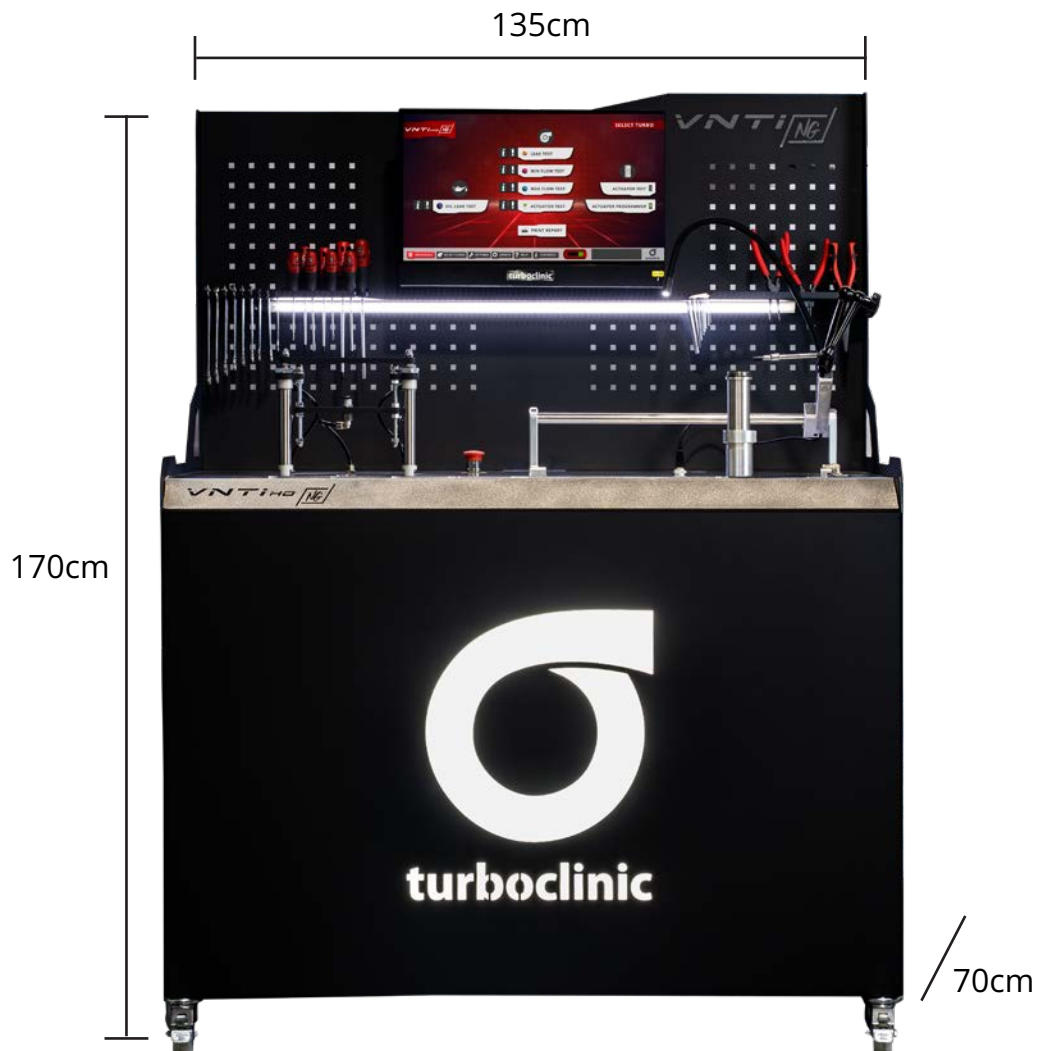
*Access to functions requires Internet connection and valid subscription.

DIMENSIONS

\\ Length: 135cm

\\ Width: 70cm

\\ Height: 170cm



TECHNICAL REQUIREMENTS

- \\ Compressed air network (between 8 and 10 bar);
- \\ Power Supply 230V (50/60Hz) -250W;
- \\ RJ45 network connection - to access the latest updates and remote assistance assistance;
- \\ Air filter - to prevent impurities in the air network from interfering with the VNTi NG's pneumatic systems;
- \\ Lubricator - to help keep the valves clean and lubricated;
- \\ Turboclinic recommends the use of a UPS (uninterruptible power supply). 500VA).

Not included

MAINTENANCE

- \\ Check air conditions;
- \\ Lubricator - keep the oil in the lubricator - Recommended oil - ISO VG32;

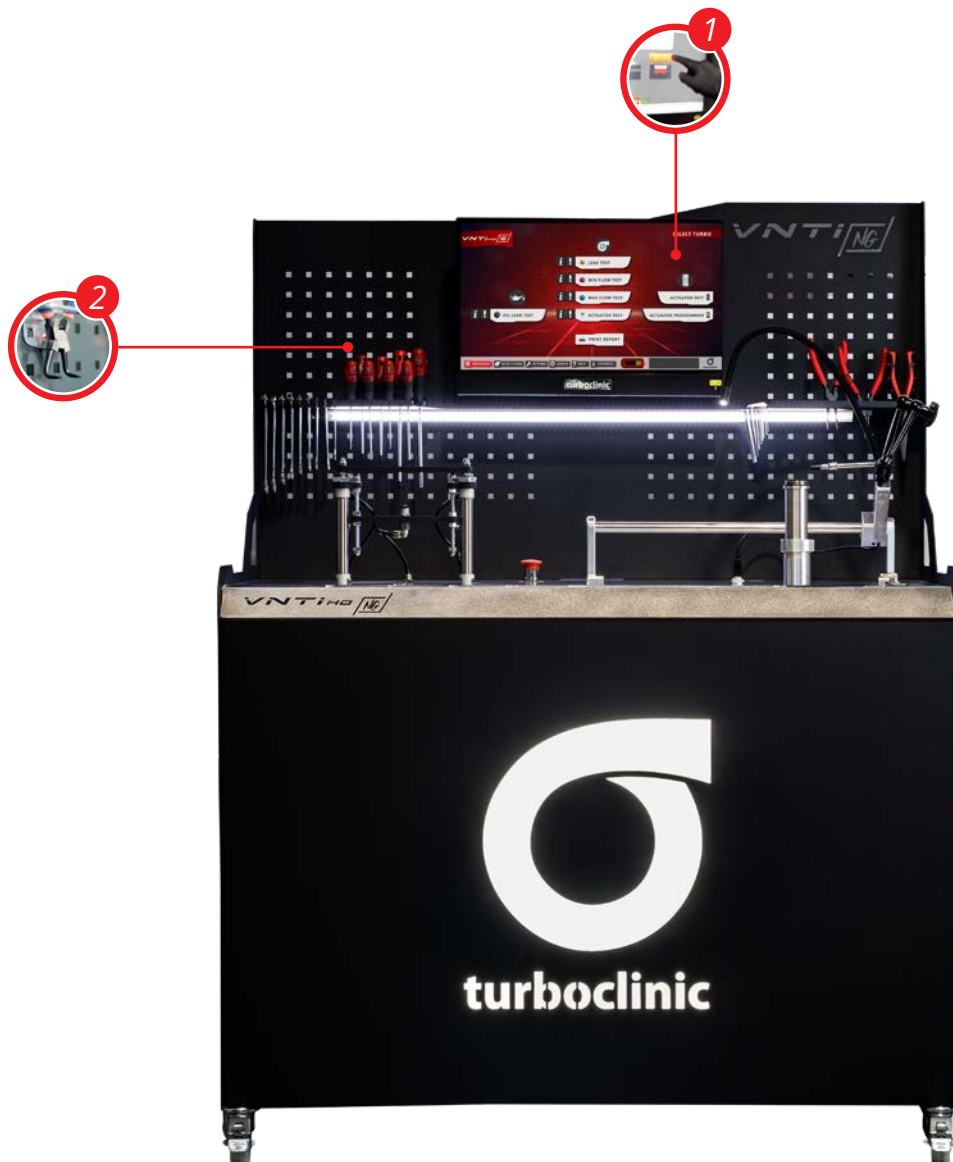
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DIAGRAM

VNT i HD NG \\ Front

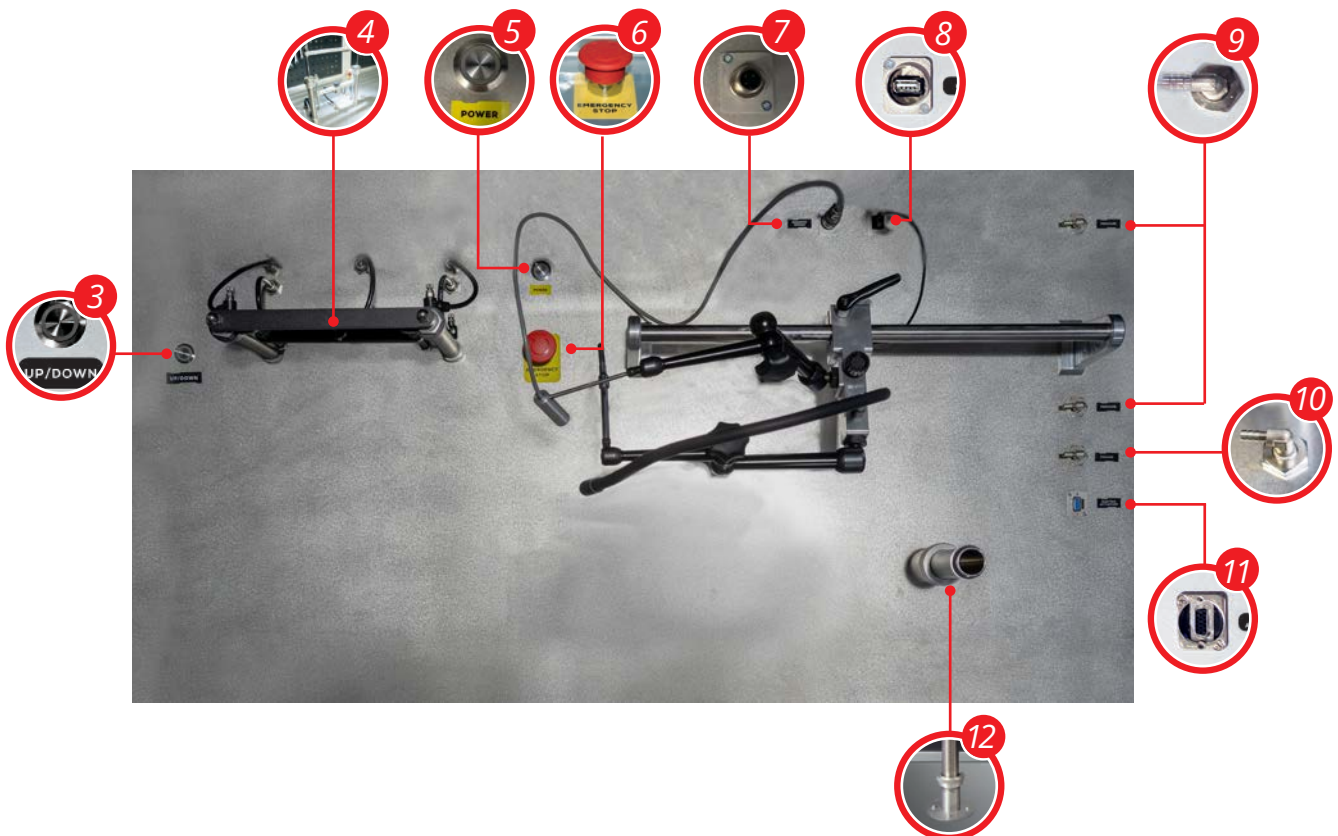
- 1\ 21.5" touchscreen
- 2\ Tool hanging area



DIAGRAM

VNTi HD NG \ \ Top

- 3\ UP/DOWN button on the Pneumatic Oil Leak Tester
- 4\ Pneumatic Oil Leak Tester
- 5\ POWER button
- 6\ Emergency stop button
- 7\ Magnetic sensor connection
- 8\ USB connection for the camera
- 9\ Connection for pressure actuators (light and heavy)
- 10\ Connection for pneumatic actuators
- 11\ Connection for electric actuators
- 12\ Turbo support base



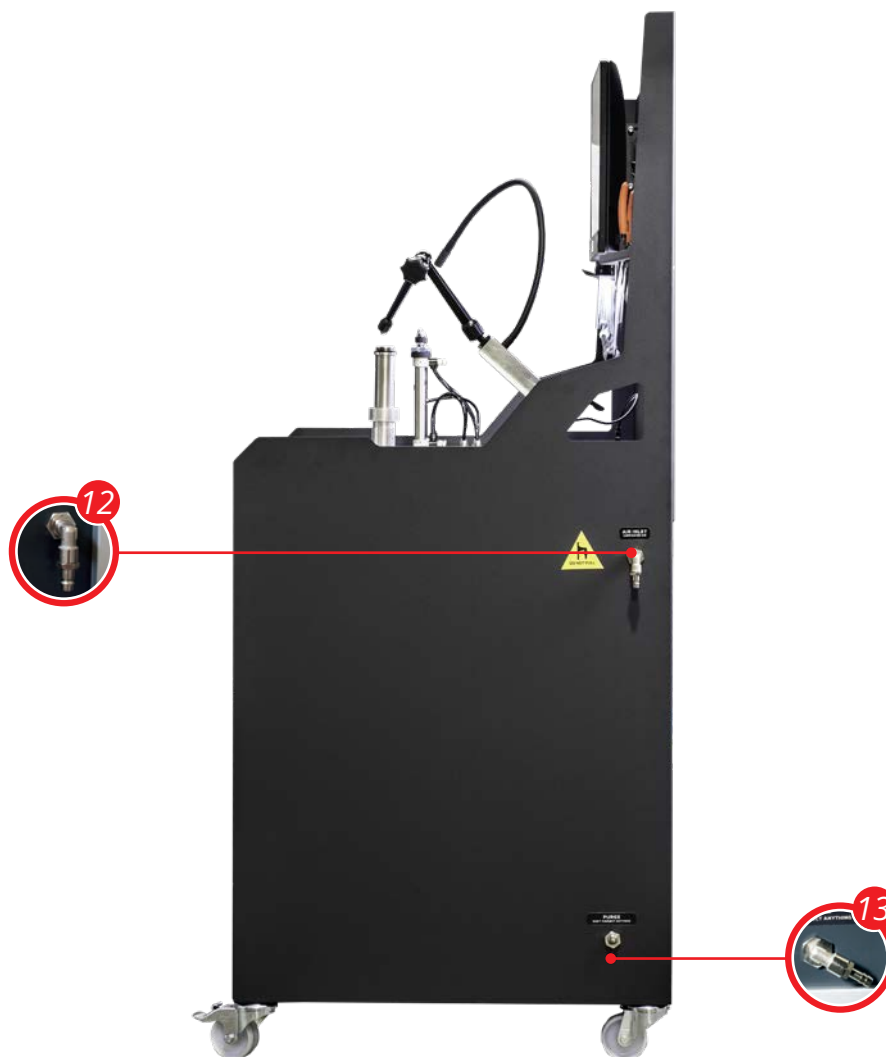
DIAGRAM

VNTi HD NG \\ Right-hand side

12\ Air inlet - (Coupling DN7.4 European profile) Lubricated air
(it is mandatory to connect the air supply to an oil lubricator and an
external external air filter)*

13\ Purge (Do not connect anything here)

* Not included

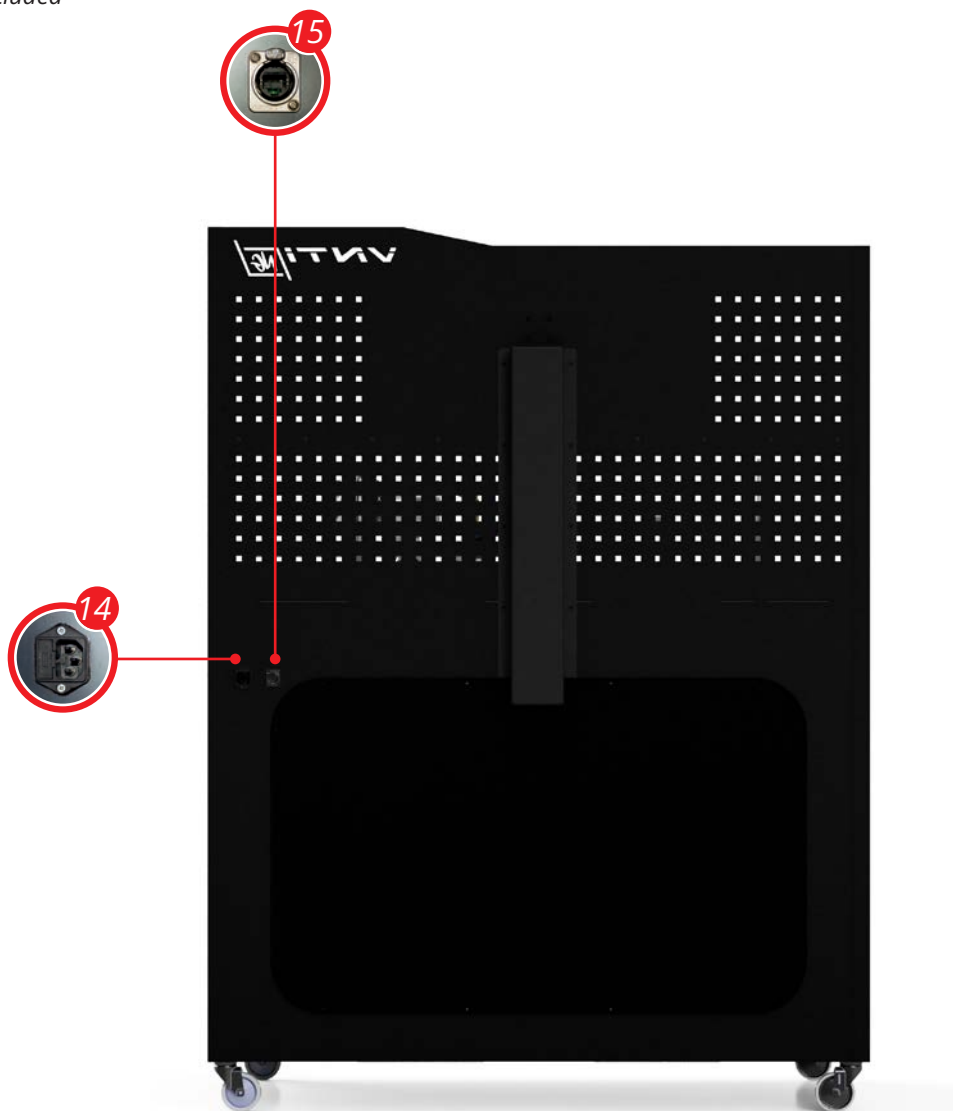


DIAGRAM

VNTi HD NG \\ Back side

- 14\ Power input up to 230V~50/60Hz
- 15\ Internet connection network (RJ45)*

* Not included





VNTi HD NG TESTS

VNT Test

- \\ Leak Test;
- \\ Minimum Flow;
- \\ Maximum Flow;
- \\ Pneumatic Oil Leak Tester;
- \\ Wastegate Turbocharger Test;
- \\ Variable nozzles adjustment from light and heavy vehicles;
- \\ Testing light and heavy vehicles turbochargers;
- \\ Programming light vehicles turbochargers;
- \\ Test PVF Sensor;
- \\ Test N75 Valve;
- \\ Automatic adjustment for turbochargers with electric actuators*;
- \\ Optimised values for greater efficiency*;
- \\ Simplified adjustment of vacuum actuators*;
- \\ Pneumatic actuators with position sensor*;
- \\ Test Report;

*Access to functions requires Internet connection and valid subscription;



EXTRAS AVAILABLE

- \\ Programming heavy vehicle actuators;
- \\ Electronic wastegate test;
- \\ Optional cables for electric actuators;
- \\ Optional fixing plates for turbochargers;

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