



INDEX

Introduction	3
Features	4
Dimensions	5
Technical requirements	6
Maintenance	6
Diagram	7
VNTi NG functions	12
Accessories	13



INTRODUCTION

TurboClinic presents the Next Generation of equipment for turbochargers repairers.

The VNTi NG is the most complete equipment on the market to adjust variable nozzles turbochargers for light vehicles with pneumatic or electronic actuators. Designed for user ergonomics and optimized for efficiency, the VNTi NG maintains all the VNTi's functions but with great news: Auto-calibration whenever the equipment starts, the introduction of a new Precision Module, and the integration of the new ACM.

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



FEATURES

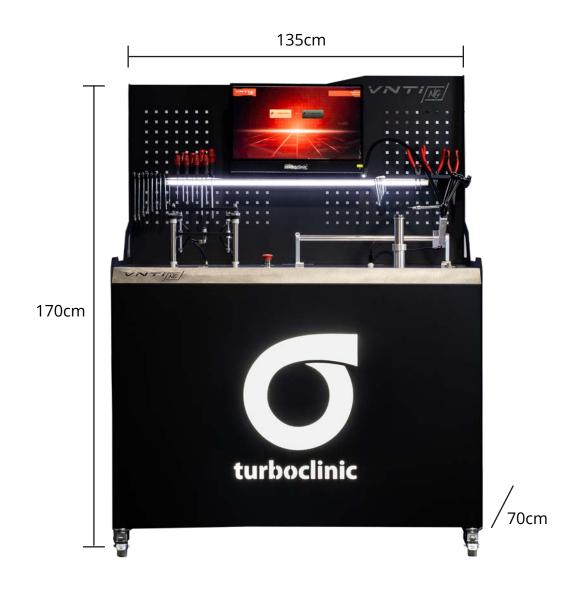
- \\ Adjustment of light vehicles' VNT turbochargers with pneumatic and electronic actuators;
- \\ Test electronic actuators as well as the electronic position sensor of pneumatic valves;
- \\ Program electronic actuators from light vehicles;
- \\ Tests the wastegate valves (vaccum/pressure);
- \\ Test 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).

MAINTENANCE

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

^{*}Not included

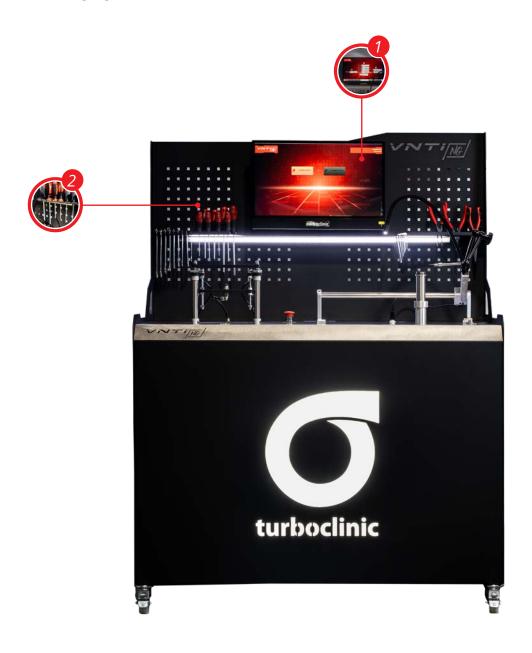
^{*}Not included



VNT i NG \\ Frente

1\ 21.5" touchscreen

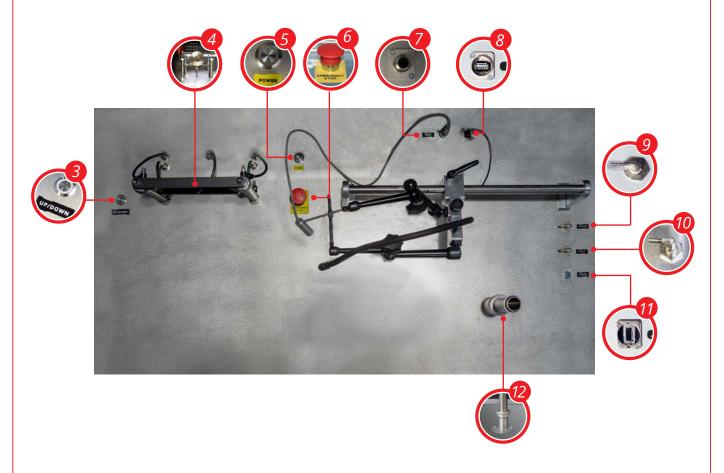
2\ Tool hanging area





VNTi 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
- 10\ Connection for pneumatic actuators
- 11\ Connection for electric actuators
- 12\ Turbo support base



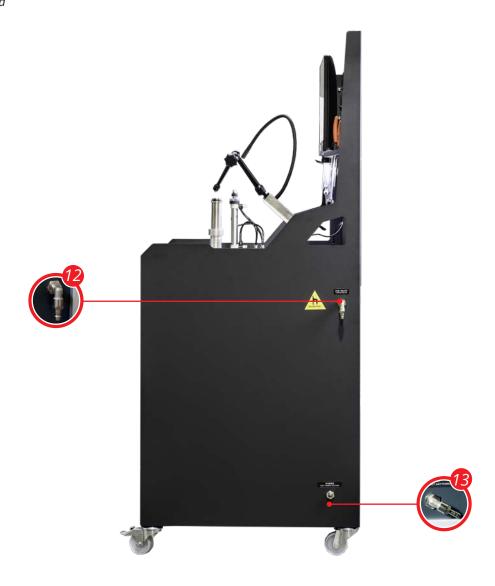


VNTi NG \\ Right-hand side

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)

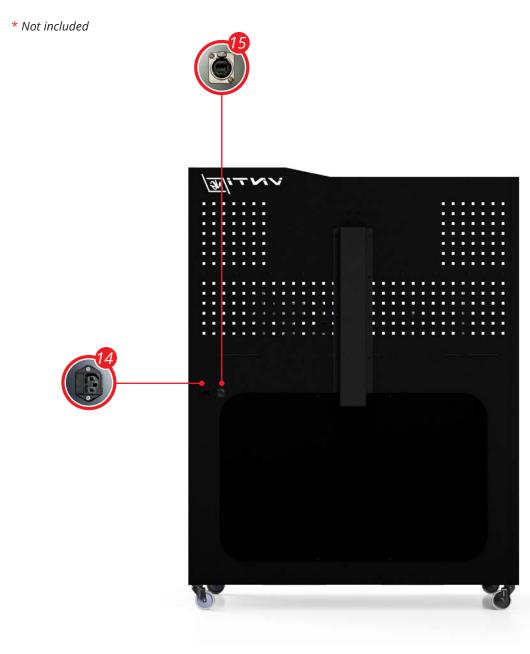
* Not included





VNTi NG \\ Back side

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





VNTi NG TESTS

VNT Test

- \\ Leak Test;
- \\ Minimum Flow;
- \\ Maximum Flow;
- \\ Pneumatic Oil Leak Tester;
- \\ Wastegate Turbocharger Test;
- \\ Test Report;
- \\ Testing and Programming Light 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*;
- *Access to functions requires Internet connection and valid subscription;



EXTRAS AVAILABLE

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

www.turboclinic.com

REV. 1.0 / 2022

