

*Variable Nozzle Turbine  
VNT i*

*Technical Information*



*Variable Nozzle  
Analyser*





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## INTRODUCTION

Working everyday to be at the forefront of technology in the area in which it operates, **TurboClinic** shows once again why it is a world leader.

Synonym of constant innovation and concern for its customers' comfort, **TurboClinic** presents the evolution of the most complete equipment on the market to adjust turbochargers' variable nozzles of light vehicles with pneumatic or electronic actuators - the **VNT i**.

With a new design focused on a greater comfort of its users and all the **VNT v2's** functions and test possibilities, the **VNT i** integrates a **Pneumatic Oil Leak Tester** and an **Actuator Programmer** and allows to test the **wastegate valves**.



## CHARACTERISTICS

- \\ New design 100% focused on the users' comfort
- \\ Large working area
- \\ 21,5" Touch screen
- \\ Interface with a new design
- \\ Built-in VNT v2 functions
- \\ Built-in EAT functions
- \\ RJ45 LAN connection
- \\ Use of the existing compressed air network (between 8 and 10 BAR)
- \\ 230V - 320W
- \\ Connection with Electronic Actuators
- \\ Connection with Vacuum Actuators
- \\ Connection with Pressure Actuators
- \\ Single power ON/OFF button
- \\ Automatic purge



## DIMENSIONS

\\ Length: 135cm

\\ Width: 70cm

\\ Height: 170cm



# TECHNICAL REQUIREMENTS

- \\ Compressed air network (between 8 and 10 BAR)
- \\ Power supply 230V - 320W
- \\ RJ45 LAN Connection - Internet - to get the latest updates and remote support
- \\ Air filter\* - to prevent that impurities in the air network may interfere with the VNT i pneumatic systems
- \\ Oil lubricator\* - to help maintaining the valves clean and lubricated -  
Recommended Oil - ISO VG32\*

\* *Not included*



# DIAGRAM

## VNT i \\ Front - Top

- 1\ 21,5" Touch screen
- 2\ Power button
- 3\ Hanging tools area

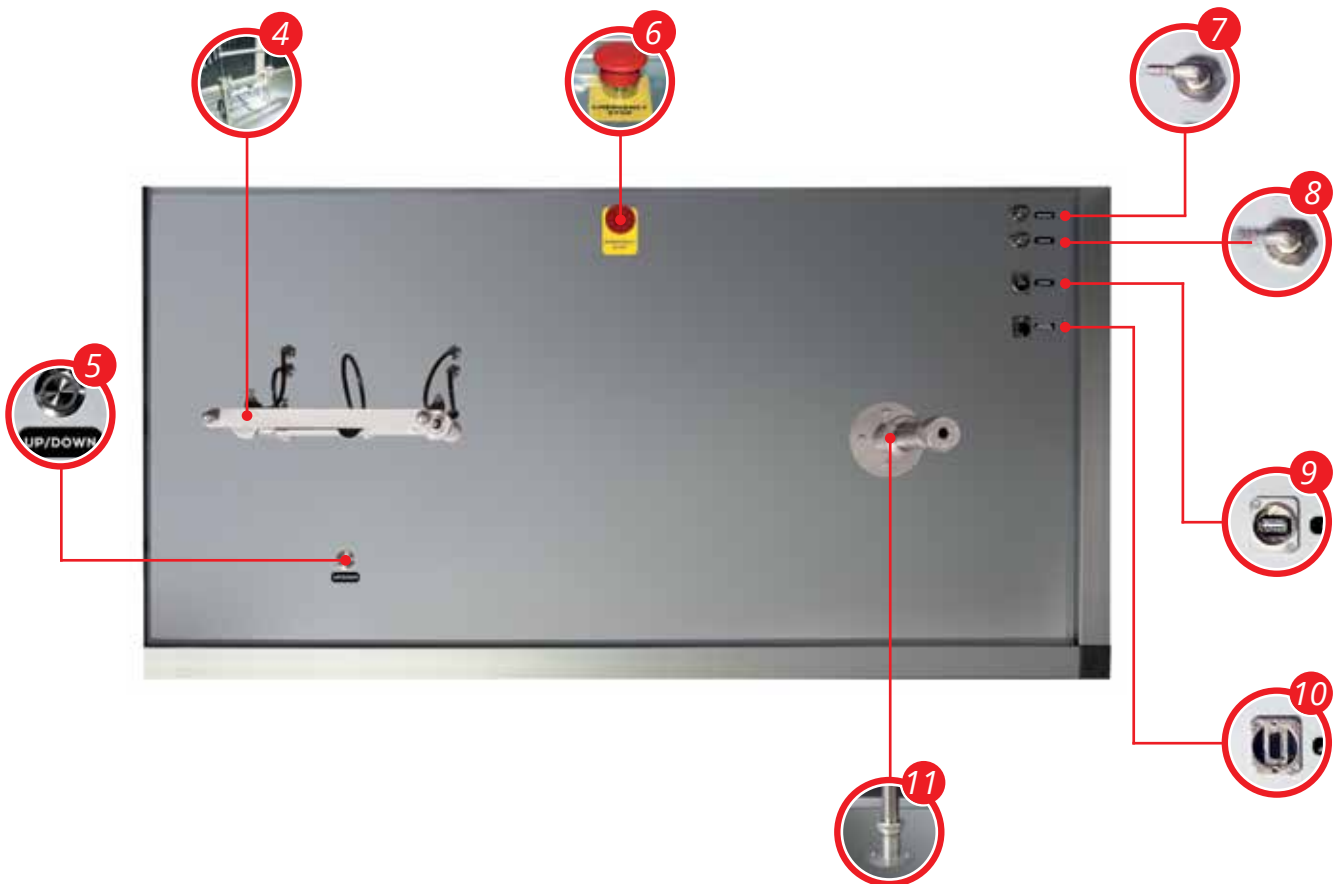




# DIAGRAM

## VNT i \\ Front - Bench top

- 4\ Pneumatic Oil Leak Tester
- 5\ Pneumatic Oil Leak Tester Up / Down button
- 6\ Emergency stop button
- 7\ Connection for Pressure Actuators
- 8\ Connection for Vacuum Actuators
- 9\ Connection for Electronic Actuators
- 10\ Camera's USB connection
- 11\ Turbo support base







## DIAGRAM

### *VNT i \ \ Right side*

13 \ Air inlet - Lubricated air (it is mandatory to connect the air supply to an external oil lubricator and an air filter)\*

14 \ Purge (Don't connect anything)

\* Not included



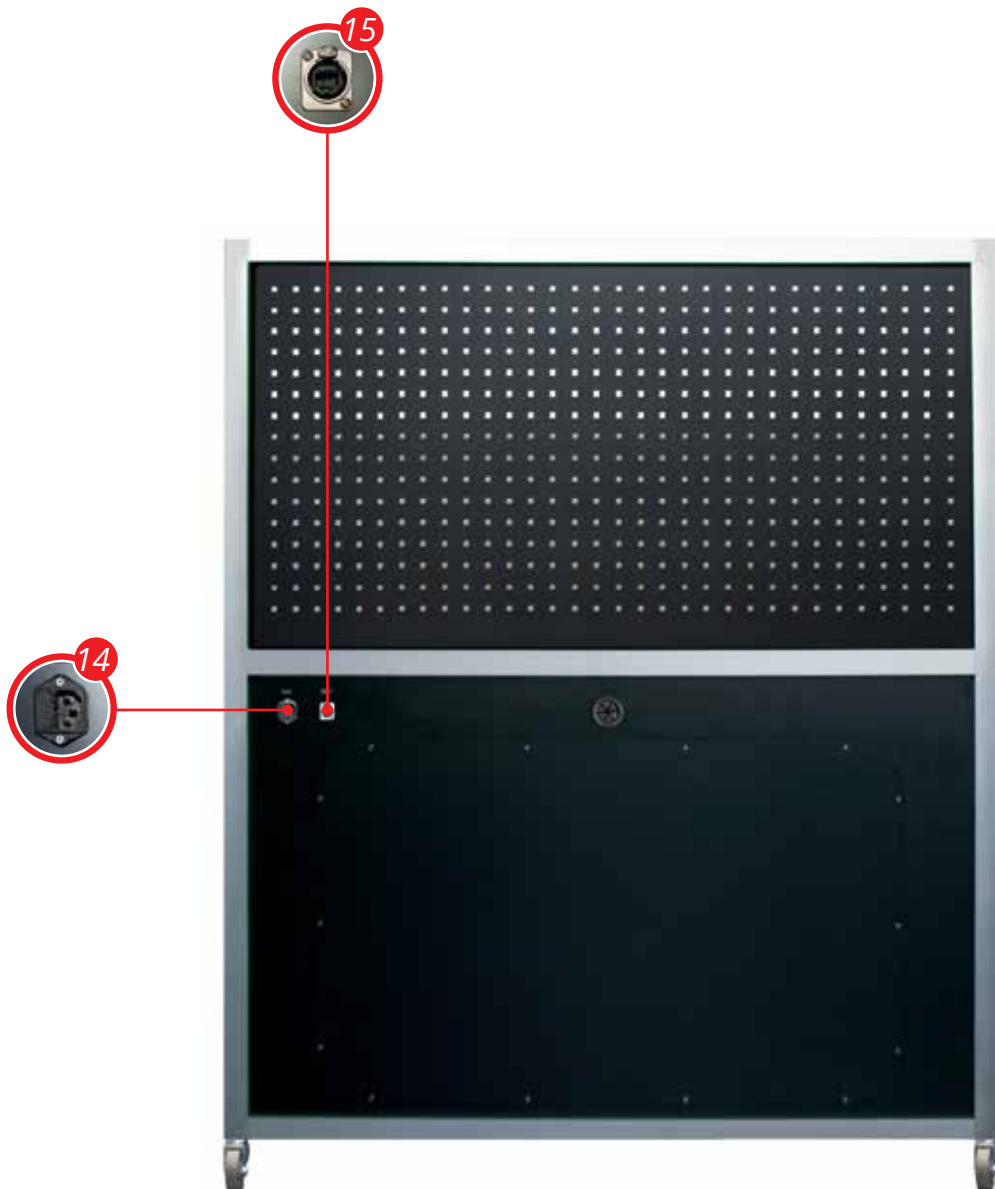


## DIAGRAM

### VNT i \\ Back

- 14\ Plug to connect the power supply cable to the 230V~50Hz
- 15\ Plug to connect the network cable\* to RJ45 LAN plug

\* Not included





## VNT i TESTS

### *Testing Turbocharger*

- \\ Leak Test
- \\ Minimum Flow
- \\ Maximum Flow
- \\ Actuator Test
- \\ Pneumatic Oil Leak Tester
- \\ Wastegate Turbos Test
- \\ Print Report

### *Testing Electronic Actuators*

- \\ Actuator Tester
- \\ Test PVF Sensor
- \\ Test N75 Valve
- \\ Actuator Programmer