

VSR 500

High speed balancing machine for heavy commercial vehicle turbocharger CHRA's.



THE TURBO TECHNICS VSR™, “THE ORIGINAL VSR”.

The **VSR™** or **Vibration Sorting Rig** was first launched in 1984 in response to the problem of vibration occurring at high speed in turbochargers fitted to passenger cars.

The **VSR™** was designed to measure vibration within the complete rotating assembly at speeds similar to the level seen in the vehicle.

The **VSR 500™ series** is designed for volume OE and Aftermarket Production and is available with a number of features that suit higher volume turbo production.

In addition to the **VSR 500™**, three separate models are available to suit the various demands of turbo production (see over).

ENGINEERED & ASSEMBLED
IN GREAT BRITAIN. EST 1981



TURBO TECHNICS

www.turbotechnics.com

SPECIFICATIONS

- Speed capability up to 150,000 rev/min
- In-line core loading suitable for large and heavy cores
- Turbo Technics designed computer with touch-screen control
- Customised print-out of balance data
- Internal test data storage
- Language selection
- Internet connection for factory diagnosis and software updates
- Low consumption compressed air system
- Integral cutter for balance corrections
- Convenient single phase connection
- Integral compressed air exhaust silencer
- Large range of Turbo Technics approved quick-change CHRA specific turbine housing adapters (available separately)

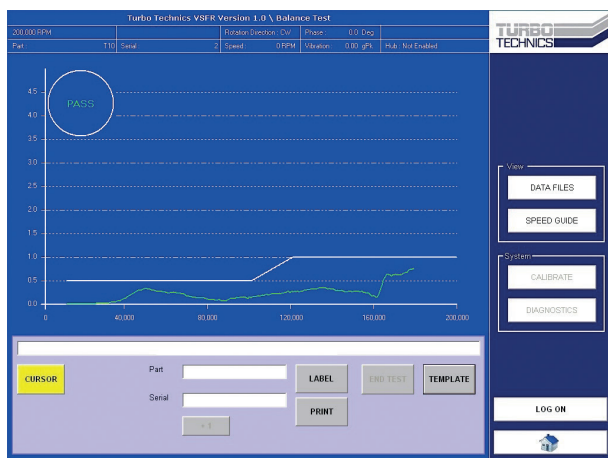
OPTIONAL FEATURES

- **Rotor lock** that stops the shaft from turning during balance corrections, either using the integral grinder or 'turning' the compressor wheel.
- **Automatic door** - automatically opens when the test is complete.
- **Automatic test cycle** - the test starts when the door is closed, the door automatically opens when the test is complete.
- **Oil mist extraction** - which uses a vacuum to extract oil mist created by the higher volume of tests the VSR 5 is capable of.

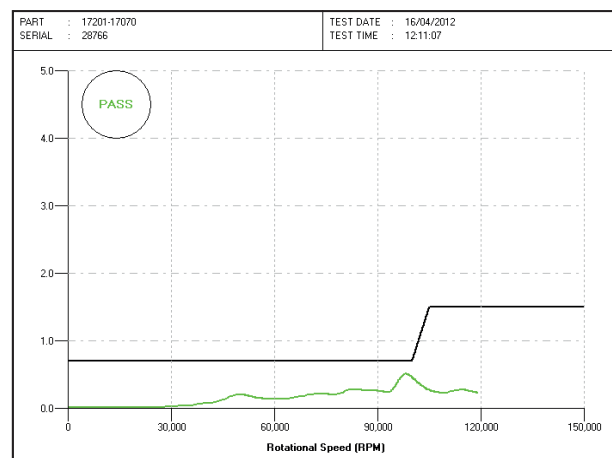
FEATURE/MODEL	VSR510	VSR520
Rotor lock		
Automatic door		
Automatic test cycle		
Oil mist extraction		

STANDARD FEATURES ADDITIONAL TO THE VSR 3

- Compact design with safety door (available in a custom colour at extra cost)
- Integral oil tank with and 3-stage filtration system
- Automatic oil purge
- Oil temperature control
- Data Collection software designed to allow multiple Turbo Technics VSR and VTR machines to automatically transfer test data to a PC on the factory network.
- Language selection
- Choice of standard or user-defined operating templates



Easy to use computer interface, with visual vibration graph, allowing identification of imbalance.



Test data can be saved as a report, which can also be printed, to go with the CHRA / Core.

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