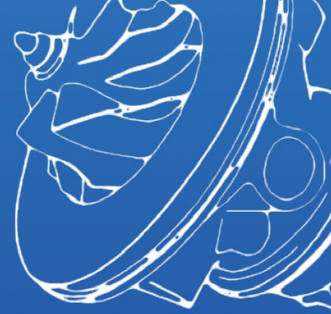


EQUIP YOUR TURBOCHARGER REPAIR WORKSHOP



Professional turbo boost and geometry calibration

TURBO-BOOST-TEST

Turbocharger testing bench

The machine allows calibration and testing of turbochargers in dynamic mode. The turbocharger is tested under conditions close to operating conditions, which is necessary for a full control of the turbine, including oil leakage.

The bench is equipped with special software, which has complex calculation algorithms and allows to clearly determine the turbocharger performance after the test. All the operations performed on the bench are displayed in "real time" in a graphic and digital format.



Dynamic testing & calibration

- Complete finish testing and tuning of automotive turbochargers for engines up to 3 liters.
- Dynamic turbocharger testing
- Installation on the regular surfaces of fastening
- Running in and check on an oil leak
- Completely in-house production

Highlights

- Turbocharger testing under realistic conditions;
- Real-time geometry calibration
- Plotting of supercharging vs. flow rate at inlet and outlet graph
- Installation of turbochargers of any design
- No additional expenses for technical maintenance and calibration





Testing software features

During the tests, graphs are automatically plotted of boost vs airflow at the turbocharger inlet and outlet. This helps to diagnose the turbo and determine the condition of its components.

The graph is easy to analyze, because in addition to the actual graph, the reference graph of the test plan is shown. In case of several runs, the graph of the previous run is visible as a dotted line, which allows an accurate assessment of the current state of the turbocharger.

The test bench database contains more than 2000 test plans and can be expanded by the test bench operator if necessary. This allows to work with almost all common turbochargers and their analogs.

The machine is designed for combined work with the ATP-1000 tester, which allows to perform diagnostics of turbines with electronic actuator. In addition, the ATP-1000 can be used to test the servomotor of the electric actuator separately.

Range of features

- Testing of actuator performance: vacuum, pneumatic and electric types;
- Verification of the correct operation of the N75 control valve;
- Turbocharger testing according to the manufacturer's test plan;
- Calculate turbocharger performance;
- Plot supercharging vs. inlet and outlet flow graph;
- Generating the resulting graph;
- Generate and print test reports.



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<https://youtu.be/WX5aniB0zD0>