

MotorTest Endothermic

Active regenerative test benches
for internal combustion engines

MotorTest is a dynamometer system composed of mechanics, instrumentation, control system and software that allows the detection of the dynamic characteristics of ENDOTHERMIC ENGINES of all types with the possibility of regenerating the braking energy.



Intesys active regenerative brake benches use an inverter-controlled electric motor as the braking element. The motor and inverter transform the mechanical energy of the motor under test into electrical energy that can be returned to the power grid via the dedicated Active Front End (AFE).

- Flexible, precise clamping and drive mechanism, absolutely free from bending or vibrations
- Asynchronous vector braking motor, suitable for the specific range of motors to be tested
- Shaft or flange torque meter with accuracy class 0.05, with double range 1:10
- An electronic regenerative system based on AFE converters allows the energy generated by the braking motor to be fed into the electrical grid
- Control and data acquisition system based on National Instruments electronics
- Intesys MotorTEST software in LabVIEW environment for torque-speed, temperature, vibration detection, complete with setting and execution of "torque-speed" load profiles over time



