

Special gauges

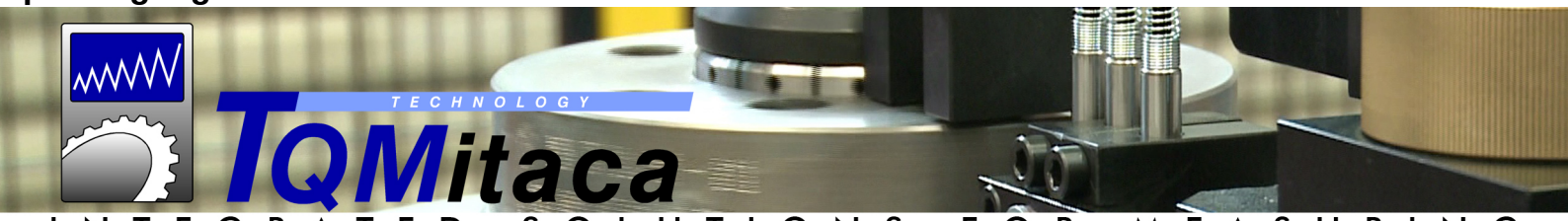
TQM Itaca Technology is able to design and realize special measuring systems, composed of mechanics, electronics and software. During the last years we have realized lots of special control stations, born to satisfy specific requirements of our customers. Here below some of the most significant realizations:



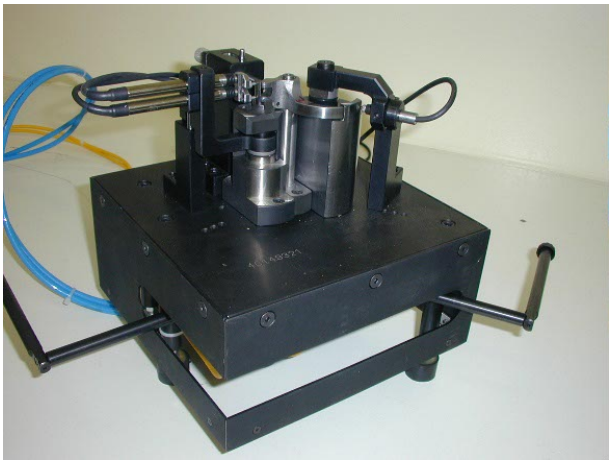
Special station to test Aerosol machines, completed with special software.



Special test station “Force Displacement” for floated brake discs, completed with special software Itaforce for the calculation of the elasticity of the assembly springs



Special gauges



Special gauge for the control of rocker arms, with special software for the control of the curvature radius of the skids.



Itageo 6© special station for the control of the holes of hub discs, with laser head and special algorithm to verify the centring of the holes.



Special gauges



Mobile Itaser station for the control and the calibration of torque wrenches and screwdrivers, with industrial PC powered with 12 Vcc, battery and integrated printer.



Itadisk station for the 100% control of flanges, with manual loading.



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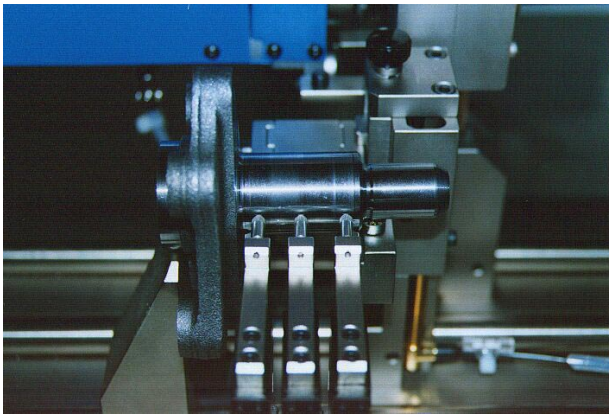
Station for the 100% control of the holes of hub discs with load/unload by robot.



Itageo 6© control station for hub discs with mounted bearing, with application of loading on bearing and special software for the compensation of the rolling errors induced by the bearing.



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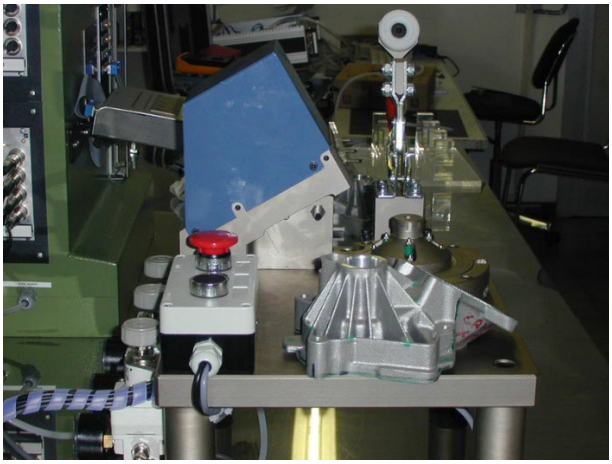
Itageo 6© station for the control of the cylindricity of a car hub.



Itageo 6© integrated on a machine designed Ad Hoc for the control of turbine rotors.



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Itastat 6 control station with dedicated gauge for the control of pump bodies.



Itastat control station for the control of fuel injectors; multi-stations, with tests of resistance to traction, torsion and tear-off.



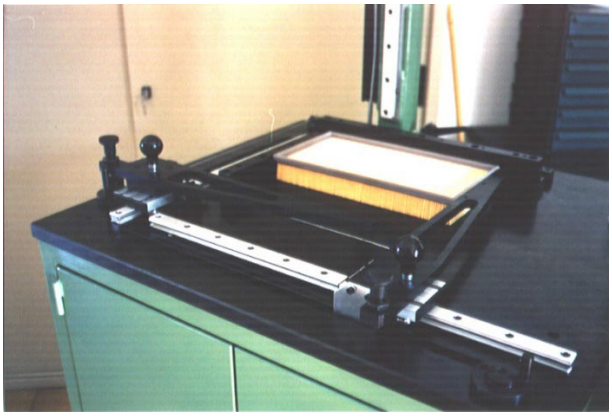
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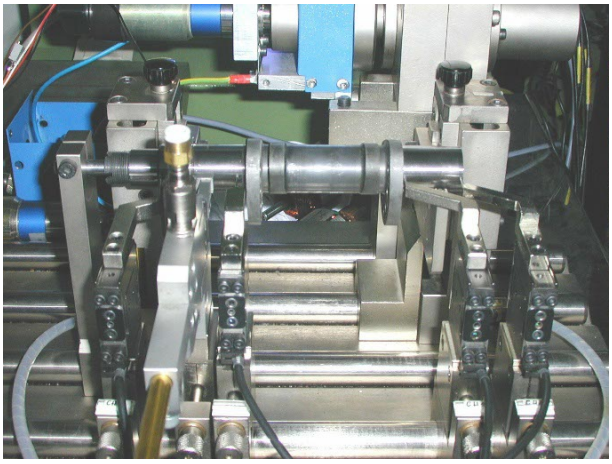
Itastat station for the control of the resistance to tear-off of a mechanical component.



Special gauges



Itastat station for the dimensional control of the paper air filters.



Itageo 6© station for the control of shafts.