

**Test**

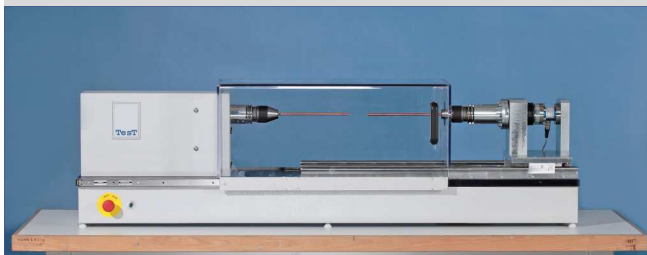
## Development and Quality Assurance in watch industry



**TorqueTest 215**

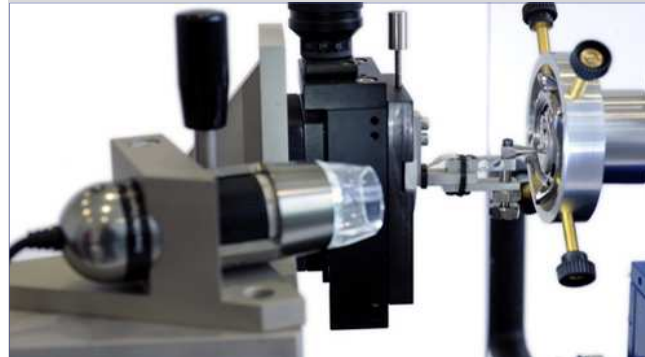


Testing of torque and force at watches and parts of watches, in development and quality assurance



## Technical Specifications of the model TorqueTest 215

- Machine frame with vibration-free electromotive drive between 0,01 rpm and 70 rpm
- Concentricity uncertainty  $\leq 0,01\text{mm}$
- System with chucks of different diameters (Schaublin, Switzerland)
- Large thread for grabbing of clamping bells and special tools for whole watches
- Fixing of torque and force sensors on a XYZ table
- Possibility of connecting two torque and force sensors to the **TestController** USB-850, expandable to up to 20 sensors

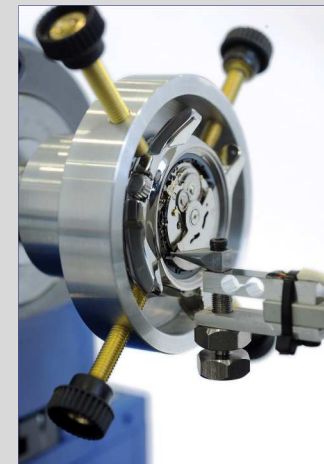


- Upper range value
  - Torque: 0,01Ncm up to 1Nm
  - Forces: 0,1N up to 100N
- Sensors with strain gauges or inductive measuring system, DC amplifiers and carrier amplifier
- Adjustability of the sensors in the system, depending on the test arrangement

- Test procedures are freely editable with the software **TesTWinner®**
- Export of measured values and results in many common formats (CSV, XML, etc.)
- Video camera with 200-fold magnification for setting up the test arrangement and as accompanying film

### Options:

- Electronics for up to 20 sensors
- Special sensors according to customer's requirements
- Also for force and torque combined
- Possible to set up the machine horizontally and vertically, or to gimbal it, so that it can be moved freely in all directions
- Other speeds and measuring ranges possible



**We are always at your disposal  
for personal consultation!**

Test

Already known?



Universal Testing Machine for tension, compression and bending tests (Model 112)

The universal testing machine of the model series 112 is - amongst other - used for micromechanics, medical technology and watch industry. This model is applied when higher forces are required, for example for functional testing of watch bracelets.

The machines of the model 112 are controlled by the **TestController** 850-USB and by **TestWinner®**, the freely programmable software for test sequences, data acquisition and calculations. Test protocols are also freely editable.

## Other products by Test



Torsion and bending tests at screws and tools for medical and dental applications

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Test

We care for Quality



Products for Watch Industry