

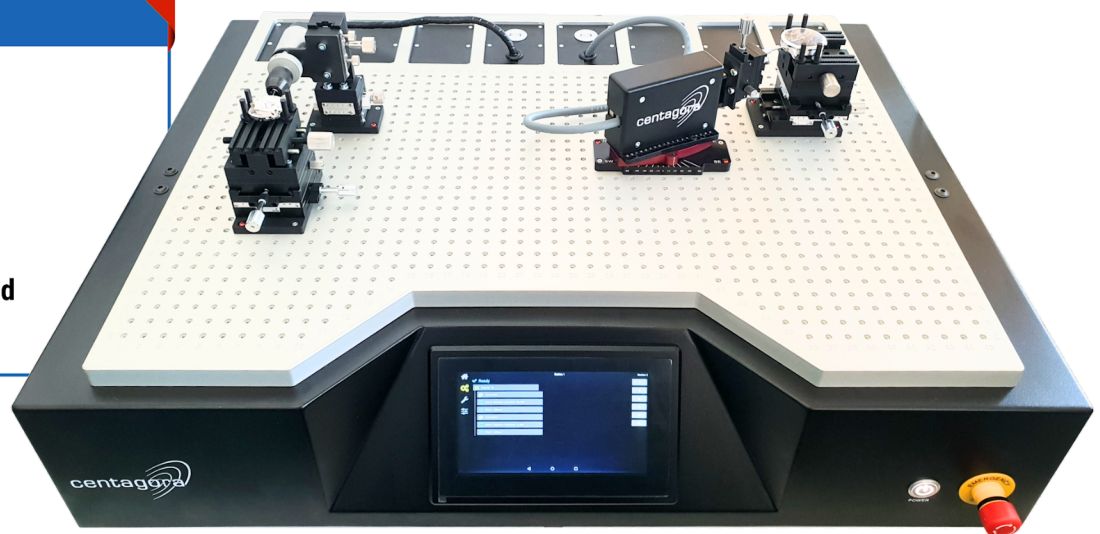
FLEXILAB

Ultra modular test bench
Rotation, Traction or Compression

**Inspection of the wear
of a part**



- + Total aging process
- + Configurable cycles
- + Inspection of the force and torque during cycle



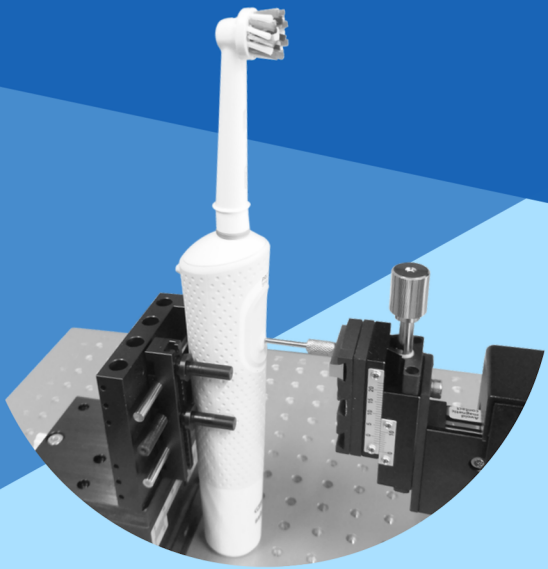
▶ AGING PROCESS

▶ Special machinery

▶ Inspection equipment

▶ Watchmakers tools

MECHANICAL AGING AND WEAR TEST BENCH



THE INDUSTRIAL SOLUTION FOR ACCELERATED AGING PROCESS

System allowing to perform every accelerated aging process based on rotation, traction or compression of a part.

SPECIFICATIONS:

+ Rated force: 20N ($\pm 0.5N$)

+ Available motor torques:

30 mNm (± 3 mNm)

10 mNm (± 1 mNm)

3 mNm (± 0.3 mNm)

+ Available sensor torques:

20 mNm (± 0.04 mNm)

10 mNm (± 0.01 mNm)

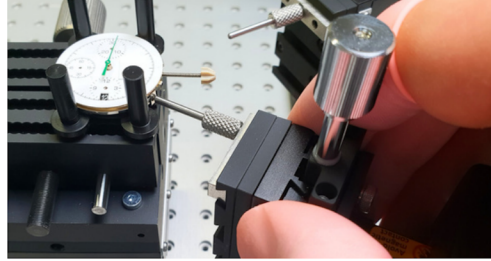
5 mNm (± 0.005 mNm)

+ Angular orientation : 360°

+ Stroke: 30 mm

+ Rotary speed: 0.1-600 tr .min⁻¹

+ Communication: Web browser



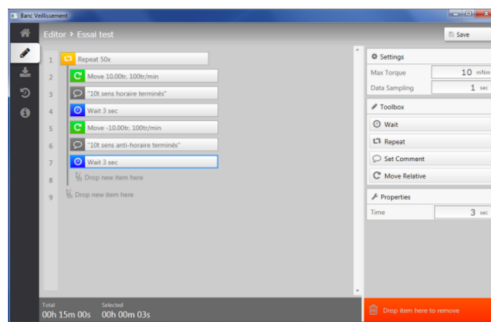
Manual learning of the different positions to reach



This flexible connection allows positioning to the optimum ergonomic, individual working position

Configurable and independant motorised stations with Servo Spin software :

- + Configuration of linear and rotation motorised stations according to your needs
- + Position, speed, acceleration and deceleration monitoring
- + Communication with a web browser, no software to install (compatible Windows, MacOS and Linux)



Servo Spin software :

- User-friendly and flexible cycles creation
- Data acquisition in .txt format

This interface allows to notice **torque variations** and to **store the data** (speed, acceleration, torque) measured during the experiment and to **export it**.

An **integrated software** allows this machine to work independantly and removes all disruption tied to updates and shutdowns of a personal computer.

