

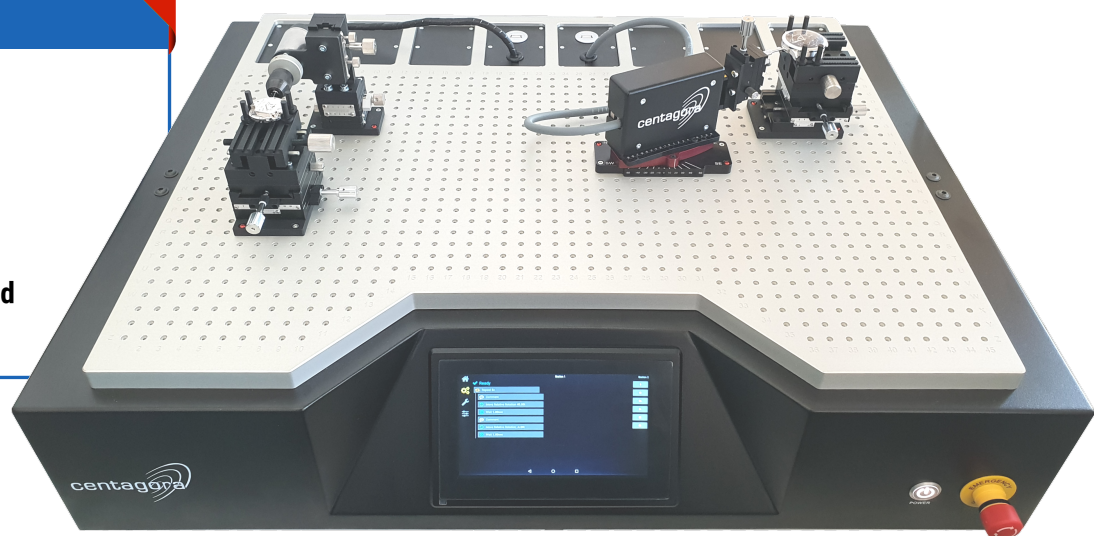
# FLEXILAB

**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



LE FUTUR EN MOUVEMENTS

**centagora**

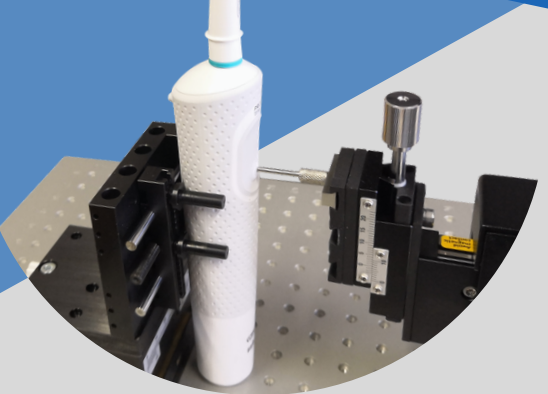
► AGING PROCESS

► Inspection equipment

► Special machinery

► 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 ( $\pm 3$  mNm)

10 mNm ( $\pm 1$  mNm)

3 mNm ( $\pm 0.3$  mNm)

+ **Available sensor torques:**

20 mNm ( $\pm 0.04$  mNm)

10 mNm ( $\pm 0.01$  mNm)

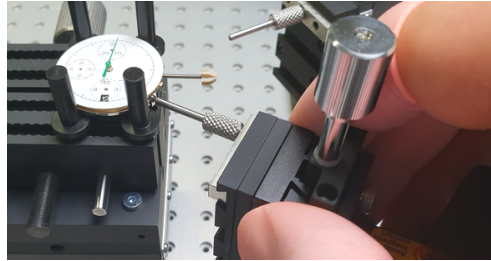
5 mNm ( $\pm 0.005$  mNm)

+ **Angular orientation : 360°**

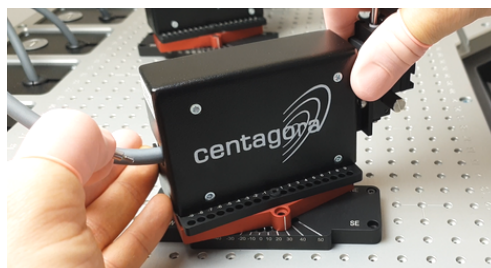
+ **Stroke: 30 mm**

+ **Rotary speed: 0.1-600 tr .min<sup>-1</sup>**

+ **Communication: Web browser**



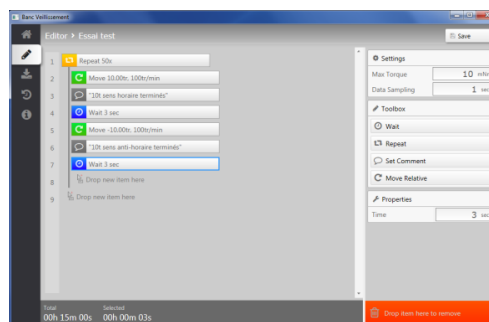
Manual learning of the different positions to reach



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.

