



STRAPLAB

Traction and torsion test bench



Control of watchband functions

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

Available as single or multi-stations

▶ Inspection equipment

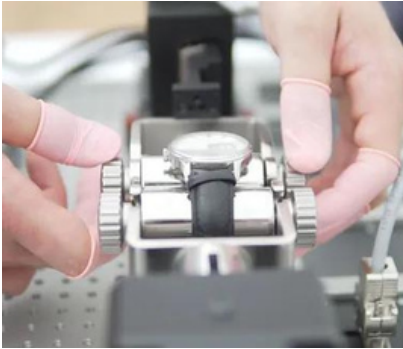
▶ Special machinery

▶ Aging process

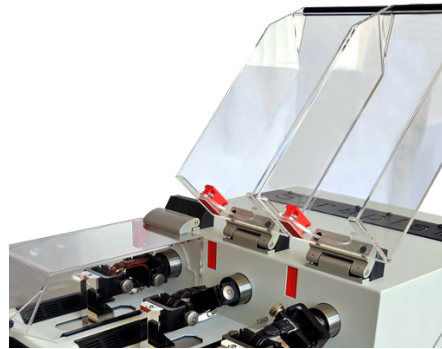
▶ Watchmakers tools



Product specifications



Two gripping cylinders hold the bracelet in position in the pull-twist axis



Protective cover fitted on each station, CE-compliant device



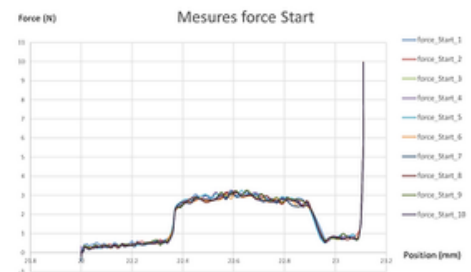
Heated enclosure can be integrated: temperature adjustable from 20 to 45°C



On-board touchscreen, allows you to view head status, as well as start and stop each cycle independently



Force-torque sensor measurement



Interactive software

Real-time display of position, speed, torque and force graphs as a function of time

Visualization and export of data to .txt files

Specifications

- ▶ Force setpoint (N)
- ▶ Torque setpoint (mNm)
- ▶ Angular position (number of turns)
- ▶ Linear position (mm)
- ▶ Speed (tr/min)
- ▶ Acceleration and deceleration (tr/min²)



System allowing to perform
all the cycles aging process
of watchband

Single-station parameters

Traction axis

Rated force :	250 N
Measurement of applied force : (précision de mesure absolue $\pm 2N$)	0 - 250 N
Linear axis speed:	1 à 100 mm/s
Linear axis positioning accuracy :	+/- 0.05 mm
Functional axis travel :	150 mm

Torsion axis

Continuously applied working torque :	1.5 Nm
Applied torque measurement range : (précision de mesure absolue $\pm 0.008Nm$)	0 - 1 Nm
Rotary axis speed :	5 - 20 tr/min

Three stations parameters

Traction axis

Rated force :	250 N
Measurement of applied force : de mesure absolue $\pm 2N$)	0 - 250 N (précision
Linear axis speed :	1 à 100 mm/s
Linear axis positioning accuracy :	+/- 0.05 mm
Rotation axis speed :	80 mm

Torsion axis

Continuously applied working torque :	1.0 Nm
Applied torque measurement range : de mesure absolue $\pm 0.010Nm$)	0 - 1 Nm (précision
Rotation axis speed :	1 - 20 tr/min

