BARILAB

Barrel ageing and measurement

Torque measurement and barrel testing

SWISS MADE

+ Control of barrel functions
+ Flexible, configurable measurement cycles
+ Torque and position control cycles
+ Authentic reproduction of barrel ageing
+ Compatible with all types of fixing
+ Universal fixing (optional)

INNOVATIVE SOLUTIONS
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- **INSPECTION EQUIPMENT**
- Special machinery
- Aging process
- Watchmakers tools

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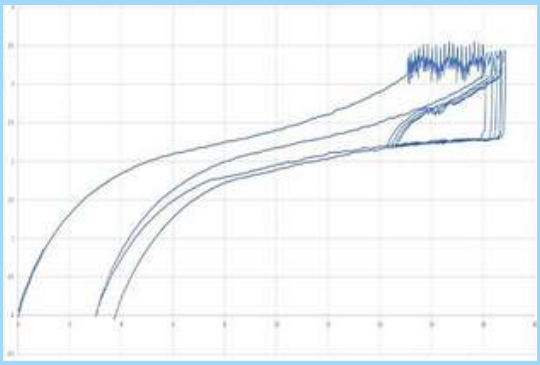
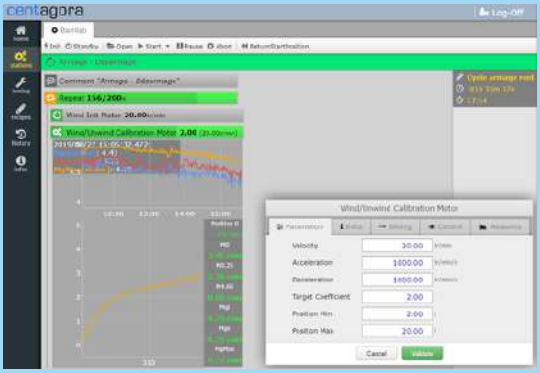
BARILAB

AGING AND BARREL CONTROL

This machine can be used to execute any type of rotation cycle, with the possibility of measuring the torque value applied.

A special software interface can handle all measurements and ageing tests dedicated to barrels.





Flexible, user-friendly software

Performances

> **Calculation of barrel-specific information**

- **Mgi, Mgs, Mgmax**
- **Max. torque before flange slip**
- **Max. number of turns before flange slip**
- **M0.25...**

> **Real-time visualization of Mgi, Mgs, Mgmax evolution**

> **Values can be exported to Excel in .txt format**

> **Use of measured values as aging cycle variables:**

For example :

1. Winding + sliding on clamp
2. Total disarming
3. Arm to max torque before flange clamp
4. Partial disarming of X barrel turns
   (8h of disarming = user puts his watch down before going to bed)
5. Set to max torque before sliding on flange
   (user resets watch)
6. Etc.

Specifications

> **Touch screen** for fast measurement data acquisition

> **Configurable recording** of different measurement data

> **Data export in .txt format**

> **Motorized measuring cycle** with adjustable position (number of revolutions) and speed (rpm).

> **Flexible, intuitive software** allows creation of any type of cycle

> **An optional universal fixture** enables the user to take measurements on any type of barrel.

Torque sensors

Rated		Precision
50 mNm	5000 g.mm	< 0.1 % (50 µNm - 5 g.mm)
20 mNm	2000 g.mm	< 0.1 % (20 µNm - 2 g.mm)
5 mNm	500 g.mm	< 0.1 % (5 µNm - 0.5 g.mm)

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