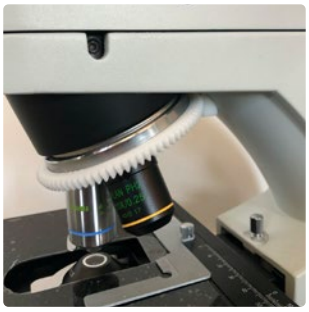
xRmold

MOTORIZED TURRET USER GUIDE



MOTORIZED TURRET

Thanks to this new feature, xRmold is now able to automatically find the trace on the cover slip, adjust focus and find the starting position for the beginning of the test.

MICROSCOPE SETUP

1 SWITCH ON YOUR MICROSCOPE

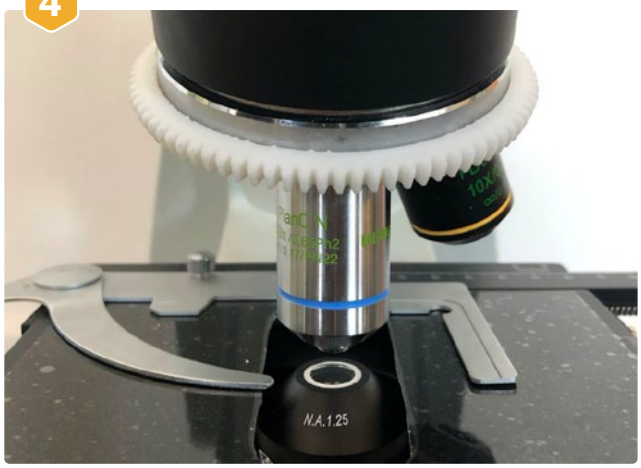
2

Mold analysis uses bright field microscopy, if your microscope is still configured on PCM microscopy, please remove the PCM ring from the condenser.

3

Set the condenser diaphragm in its 40X position.

4



- The microscope is delivered with two objectives, a 40X PH objective and a 10X objective. If the objectives are not assembled on the microscope, place the 40X objective on the turret, and place the 10X objective on the next position to the right.
- Confirm that the other positions are closed by caps.
- Align the 40X objective with the microscope optical axis.

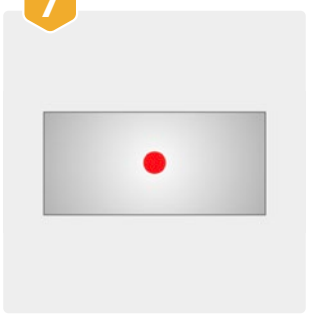
5 THE MICROSCOPE IS READY

6

POSITION THE SLIDE

Position the slide in order to have the center of the cover slip aligned with the optical axis.

7



Manually place the slide as shown above.

Focus doesn't matter much (within 100 um).

xRmold

MOTORIZED TURRET
USER GUIDE

LAUNCH XRMOLD APP

1 The microscope must be connected to the iPad using the ethernet dongle and cable delivered with the microscope.

2 **OPEN XRMOLD APP**

3

The iPad will launch an ethernet connection with the microscope.

When it is done, the serial number of the microscope will appear below the connection logo.

4 When the connection is done, the iPad will be able to detect if your microscope has a motorized turret and will open new features.

5

The first time the microscope is connected to the app, the motorized turret will calibrate itself when accessing the capture view.

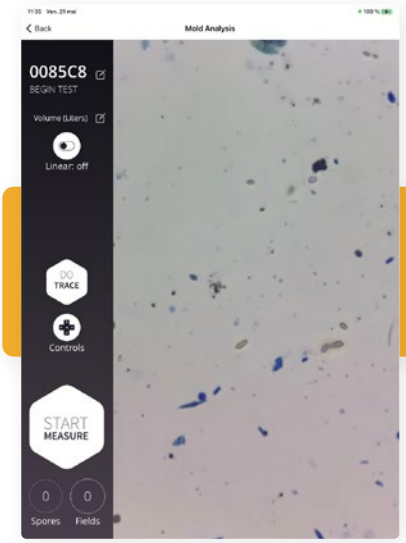
It will turn and the iPad will detect if the turret allows 4 or 5 objectives.

6 **LAUNCH THE TESTS**

> Click on 'Start Measure' button

> Click on 'Do Trace' Button

1. The turret will rotate to align 10X objective with the optical axis 4/5 ;
2. The microscope will move to scan the complete slide and place the slide on its start diagnosis position ;
3. The turret will turn back aligning the 40X objective with the optical train and adjust the focus ;
4. Click on the Start Measure button. The App will count 150 fields and display the results.



EXAMPLE OF IMAGE

before clicking on 'Start Measure'