Agrosta®*Rose*

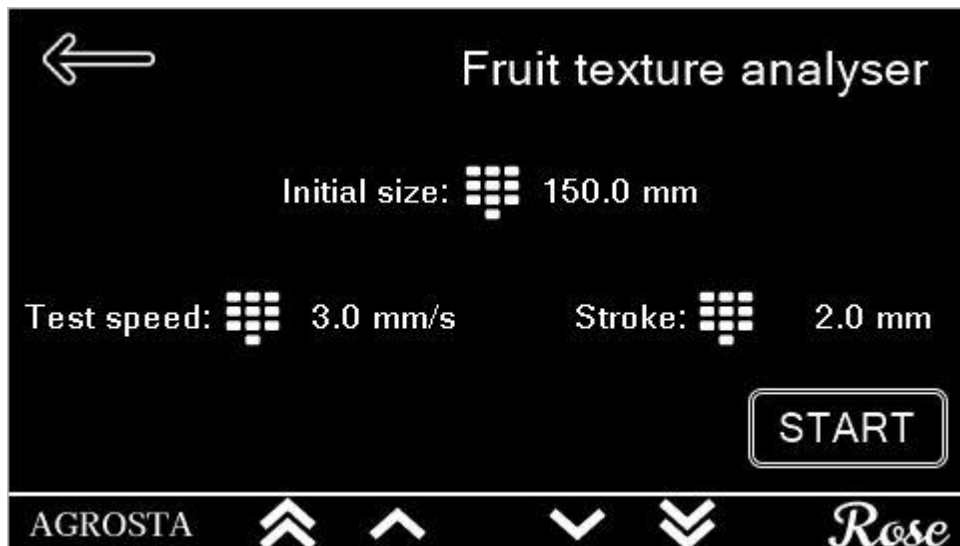## Texture analyzer for large batches

Agrosta® Rose

Texture analyzer for large batches

Control Interface

[1] Home page

This homepage allows you to navigate through the many features of our texture analyser. From there, you can set up your device, view your data and initiate measurements.


[2] MEASURE page

Agrosta®*Rose*

Texture analyzer for large batches

Rose® is designed for mass measurement of batches, it allows you to determine the size of your sample, its firmness and its fracturability (the strength for which the skin/shell of the fruit is broken).

Our texturometer is designed to provide the greatest flexibility, which is why you can change every parameter: the test speed and the stroke. If you have any questions, please send us a message at lak@agrosta.org.

Once everything is set, you can start the measurement, you will be redirected to the results page. Here you will have access to all the data of your mode and see the AVERAGE and STANDARD DEVIATION (StDev) of the most important data.
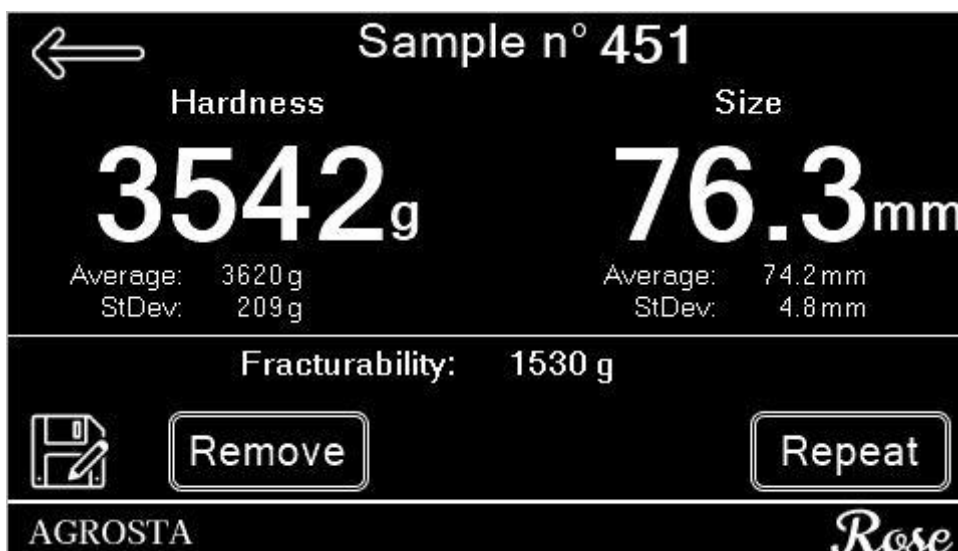
[7] Results page

If a sample is corrupted you can remove it from the batch. Each batch can have **1000 measures**.

Once you are done you can save the data of the batch by clicking on the save button, then tap the keyboard to enter the batch name. At any time you can see your saved data by clicking the DATA button on the **[1] Home page**. By doing so you'll see your data table which show your latest 50 batch:

Agrosta®Rose

Texture analyzer for large batches

Batch	Firmness (g)		Size (mm)	
	Average	StDev σ	Average	StDev σ
BATCH3	8102	59	74.5	4.1
BATCH2	8356	84	76.2	4.5
BATCH1	8004	54	74.2	3.8
18.01	7994	42	73.9	3.6
———	0	0	0.0	0.0
———	0	0	0.0	0.0
———	0	0	0.0	0.0
———	0	0	0.0	0.0
———	0	0	0.0	0.0
———	0	0	0.0	0.0

DATA

AGROSTA　　❮ 1 / 1 ❯　　Rose

The settings in **[1] Home page** allow you to choose the unit of result data:

either **gram** or **mlb**.

Agrosta®Rose

Texture analyzer for large batches

App for android

- First, switch on your Belle2 and associate it to your phone or tablet
- For this, go in PARAMETERS / BLUETOOTH and click on "Add device"

You can download the app here : **https://agrosta.org/rose.apk**

Or scan this QR code :
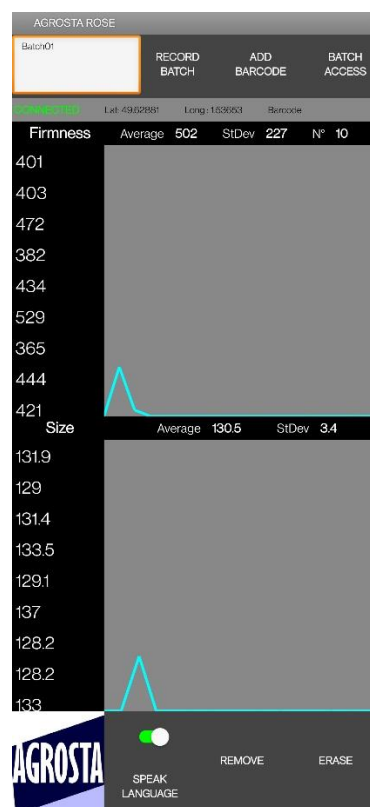
The app comes with a barcode scanner

The data is stored under CSV format and can be accessed on your phone or tablet in this directory : **Android/data/com.lak.BELLE/files**

App for windows

You can download the app for Windows here :

https://agrosta.org/bellerose.zip

**Alternative software : https://www.agrosta.org/rose.zip**

First, you need to add the Bluetooth device to your PC :

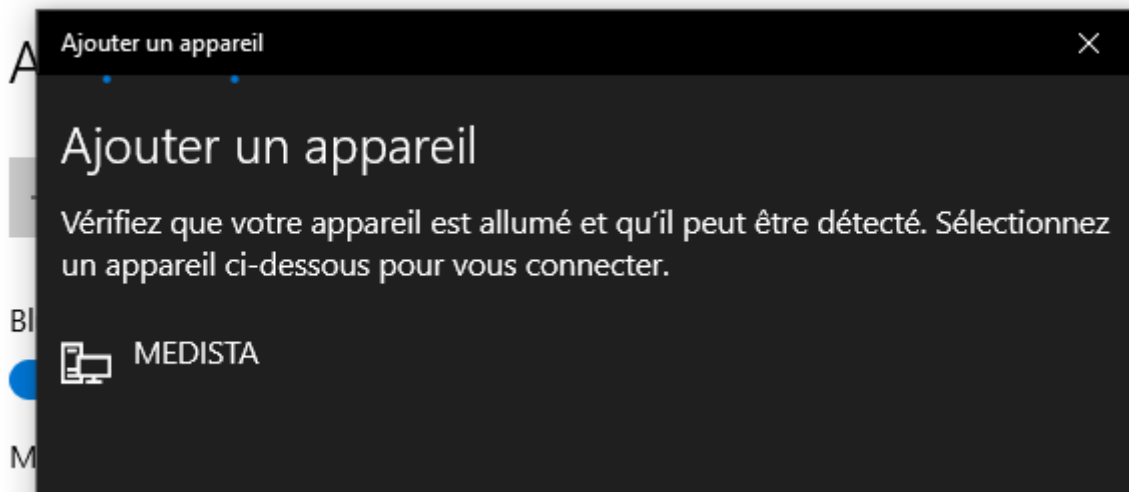**Setting up the Bluetooth communication :**

- **Switch on the Rose**
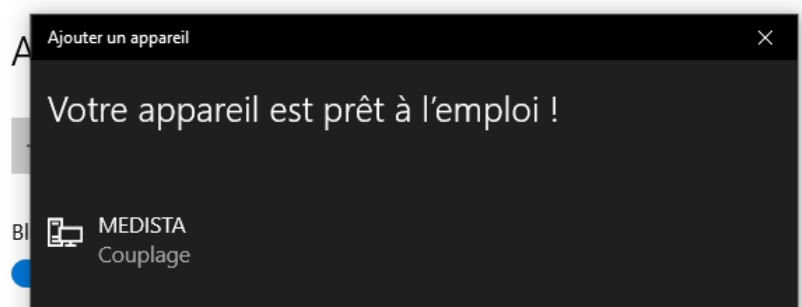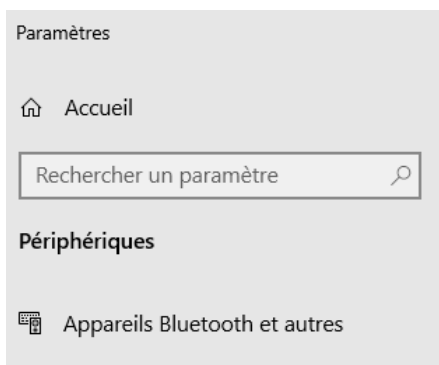- **On your computer, go the parameters, and then Bluetooth devices:**
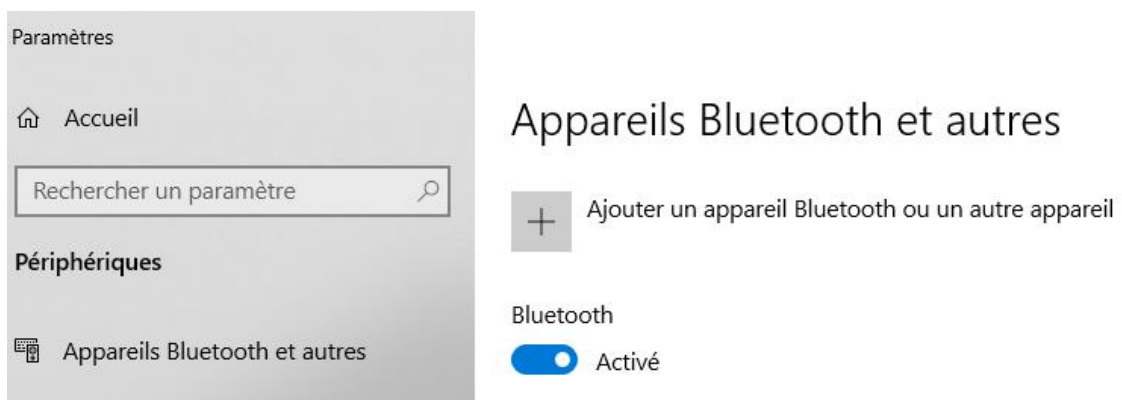
- **Click on "Add a Bluetooth device", and check that the Bluetooth is activated**
- **Then click on the first category : Bluetooth keyboards, mouse, audio and others :**
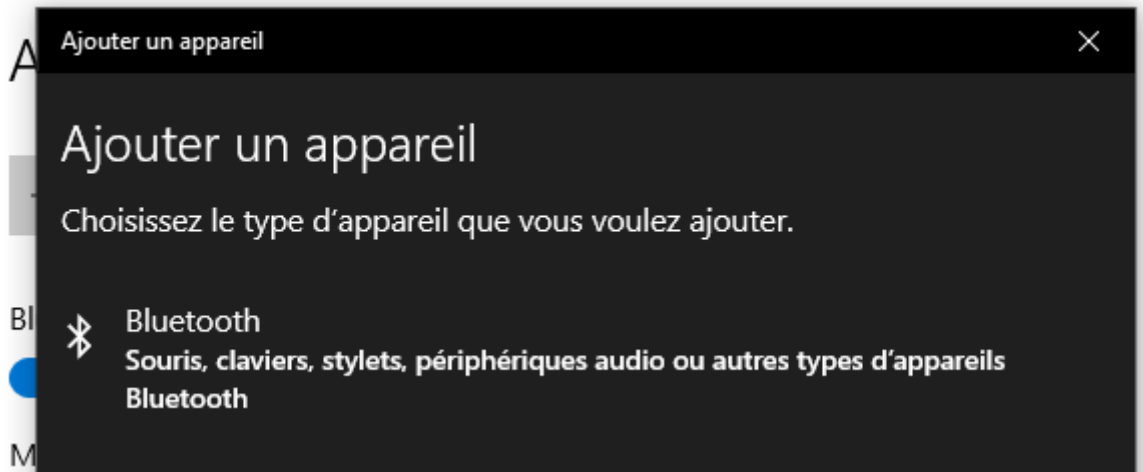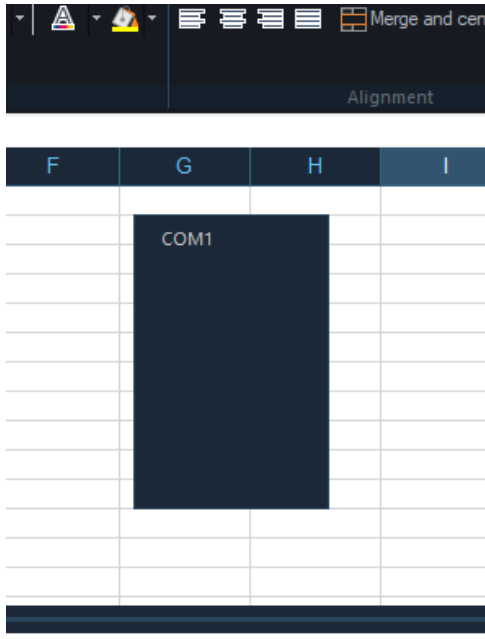
Then click on "BELLE"

- **Once you have clicked on "ROSE"**
- **Your computer indicates : "the device is ready to use"**
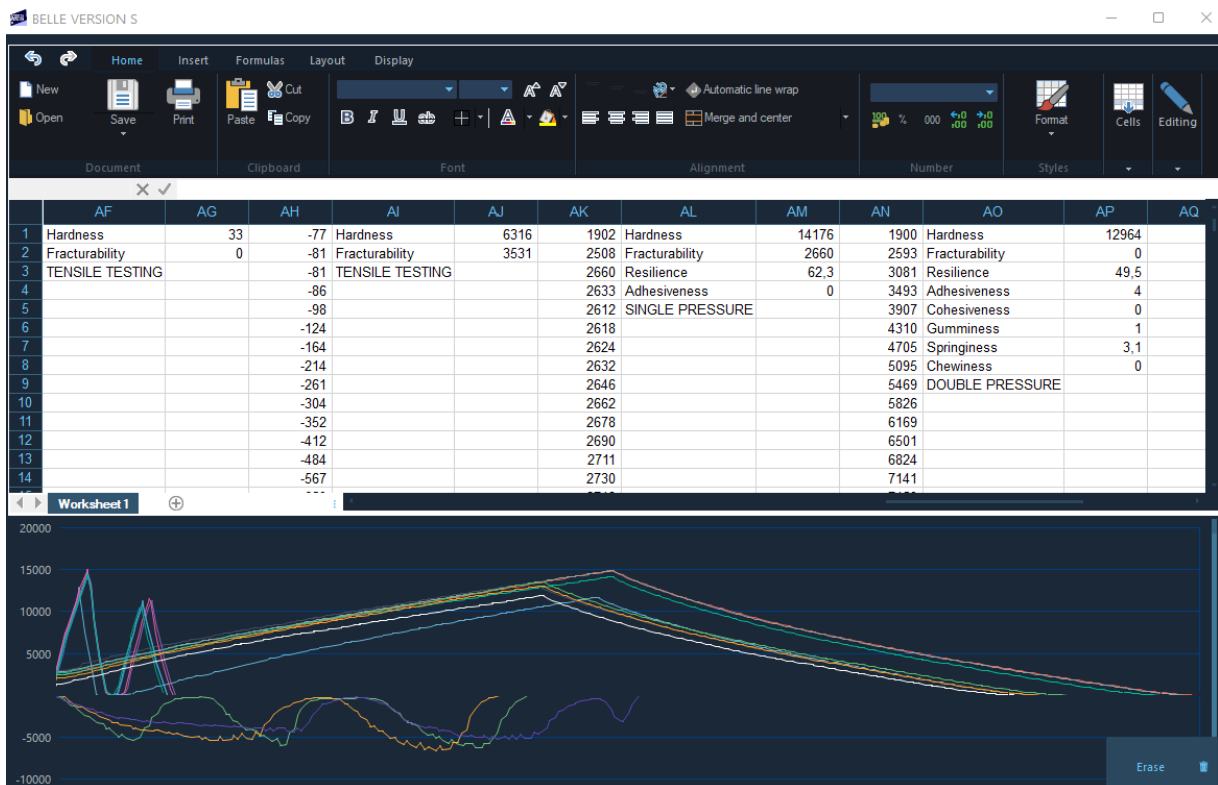
Agrosta®*Rose*

Texture analyzer for large batches

Start the software – One of the COM indicated in the middle corresponds to your device
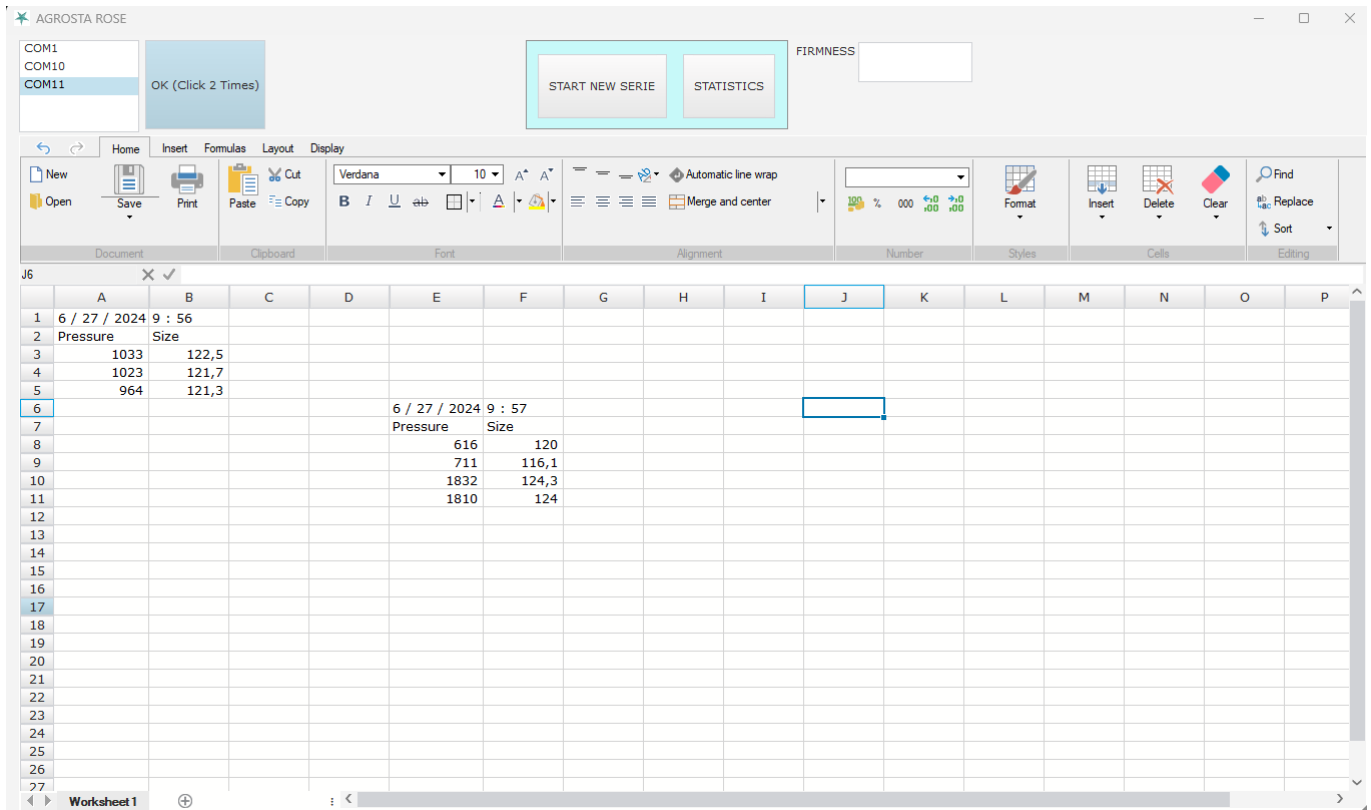
Click on it 2 times

If you have selected the right COM, the data will arrive automatically when you are doing some tests
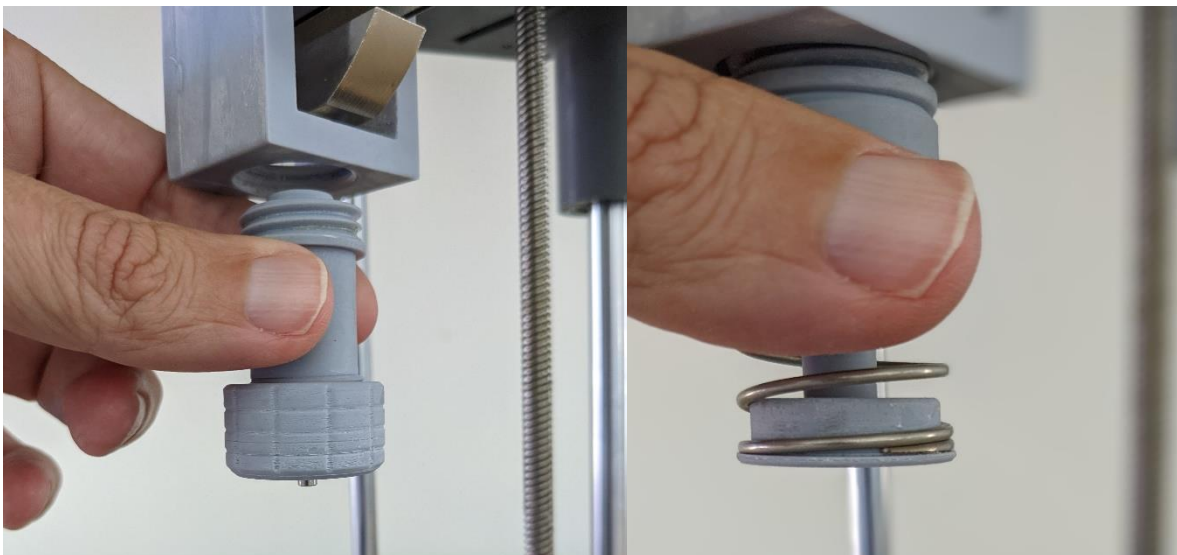
Agrosta®*Rose*

Texture analyzer for large batches

Alternative software : https://www.agrosta.org/rose.zip

Gives only one value for firmness and one value for size (Useful for large batches)

Accessories

Mid 2023, we have designed a specific bracket that surrounds the load cell with a quick-release fastening system :

You can either fix on it :

- The Durofel module (if ordered)
- The spring that will maintain the fruit on the table during penetrometry tests

Agrosta®*Rose*

Texture analyzer for large batches

The Durofel module, if ordered is as follows, and shall be mounted as shown on the photo hereafter :

You can order the additional durofel tips if necessary / Durofel system is dedicated to soft fruits like cherries, tomatoes, olives, plums, strawberries

Contact : lak@agrosta.org / www.agrosta.org

AGROSTA OVERSEAS is a French company located in Serqueux (Zip 76440)