

Agrosta® Belle texture analyzer

Food, pharmacy, meat, fruits and vegetables, resins, glue, semi-solids, gels and gellatin, bread and bakery, dough, packages, foams - According to Bloom, Warner Bratzler shear force, AOCS and more.

Agrosta Belle comes with a calibration stand. The user can check any time if the machine is still calibrated, and even adjust the calibration factor (with remote assistance of the manufacturer).

Choice between 5kg (accuracy 1 gram) or 17kg (accuracy 6 grams) max pressure when ordering the machine.

When ordering, you can ask for Bluetooth connection instead of USB for an additional cost. The software for Windows stays the same.

The software comes with a clone of Excel (light version), so you can manage, open modify and fill Excel files inside Agrosta software. You don't need to have Excel installed on your computer.

Our objective: Provide the best value for money texturometer worldwide.

Our engineers have worked hard during many years on this highly accurate machine. Our texture analyzer has been designed with top quality components, like main boards coming from the USA, high precision stepper motors, carefully drawn plastic parts stabilized in temperature, high quality load cells.

This machine has been designed to determine the texture, freshness, creaminess of any food product, as well as gels and gelatins pringiness, semi-solids viscosity for pharmacy, meat tenderness.

Till now, we have proposed the following solutions to our clients:

- Bakery products and bread texture analysis
- Test of vacuum level in coffee packets (designed for Jacobs group)
- citrus ripeness testing (designed for Pepsico)
- Glue viscosity measurement for battery manufacturers (used as bloom gelometer)
- High level research on fruits and vegetables (designed for government research centers)
- Testing machine for a frozen food manufacturer
- chicken breasts hardness testing for the biggest US poultry genetician
- Individual rice grains testing for an Indian university
- Graphene compound cohesiveness for an Australian Research Center + Rupture resistance of a thin film in graphene oxide
- Bloom test on medical resins

And many more...

Our machine features:

Our Belle Texture Analyzer is proposed with a load cell having a capacity of 5kg precision 1 gram or 17 kg precision 6 grams.

More than 100 types of tips or tables, adapted to quite all products.

The software, compatible with Windows Vista, XP, 7, 8 and 10 comes with the following features:

- Single pressure test with adjustable speeds and strokes
- Double pressure tests for checking springiness or form memory of products, with adjustable time between the 2 pressures.
- Pull test provides negative values: You first place your probe in the right position, and then start to pull; used for stickiness testing for example.

- Constant pressure test: Just provide the pressure to be applied, and the holding time; the software provides the deflection of the sample in 1/10th of mm.
- The software comes with a free light version of Excel.

The following parameters are extracted automatically:

- Firmness
- Cohesiveness
- Elasticity
- Brittleness
- Gumminess