Fruit Texture Analyser

Get firm - insist on doing it electronically

The Fruit Texture Analyser (FTA) measures fruit firmness at the push of a button and captures the results to a PC. Tests are conducted at standard depths and speeds of penetration, ensuring **accurate** and **repeatable** results.

Get a taste for accurate measurement . . . every time!

Test apples, pears, peaches, nectarines and kiwi-fruit - with **quick** , **easy** , **reliable** results.

The FTA with EFM attached to measure fruit firmness and size

Some firm advantages

- The FTA connects to a standard PC and the software runs on Windows 95/98/NT4.
- The test results can be processed as follow:
  - Save the results to disk (or network) in ASCII format.
  - Write the results direct to database.
  - Capture the test results with your own software directly from the FTA using the control functions (supplied with the system in a DLL).
- The software is flexible and can be configured to different needs - you can select the type of information to be included in the output data file.
- Installation only takes a few minutes.
- The FTA requires minimum maintenance - only cleaning to remove juice.

Bar code input

A new option available, is to process bar code scanner input - a handy feature for QA systems where test samples are identified with bar codes.

Also measures size . . .

The EFM (Electronic Fruit Size Measure) can be connected to the FTA. With this optional attachment fruit diameter can be measured electronically. Each measured

size will be immediately available on the computer.

LCD/Keypad

With the (optional) LCD/Keypad attached the FTA can be operated without a connection to a PC. All the relevant measurements - firmness, size, minimum, maximum, average etc, will be displayed on the LCD.

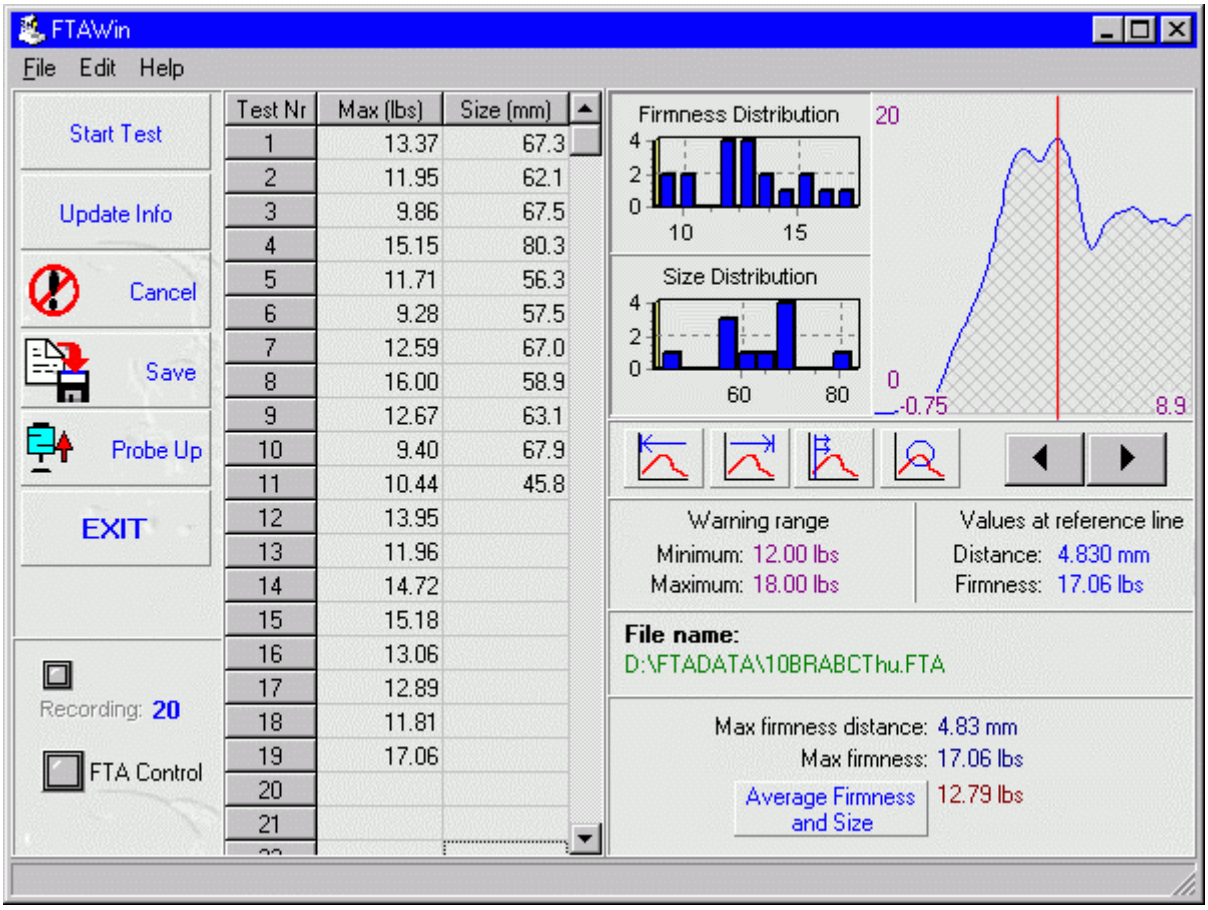
Features and benefits

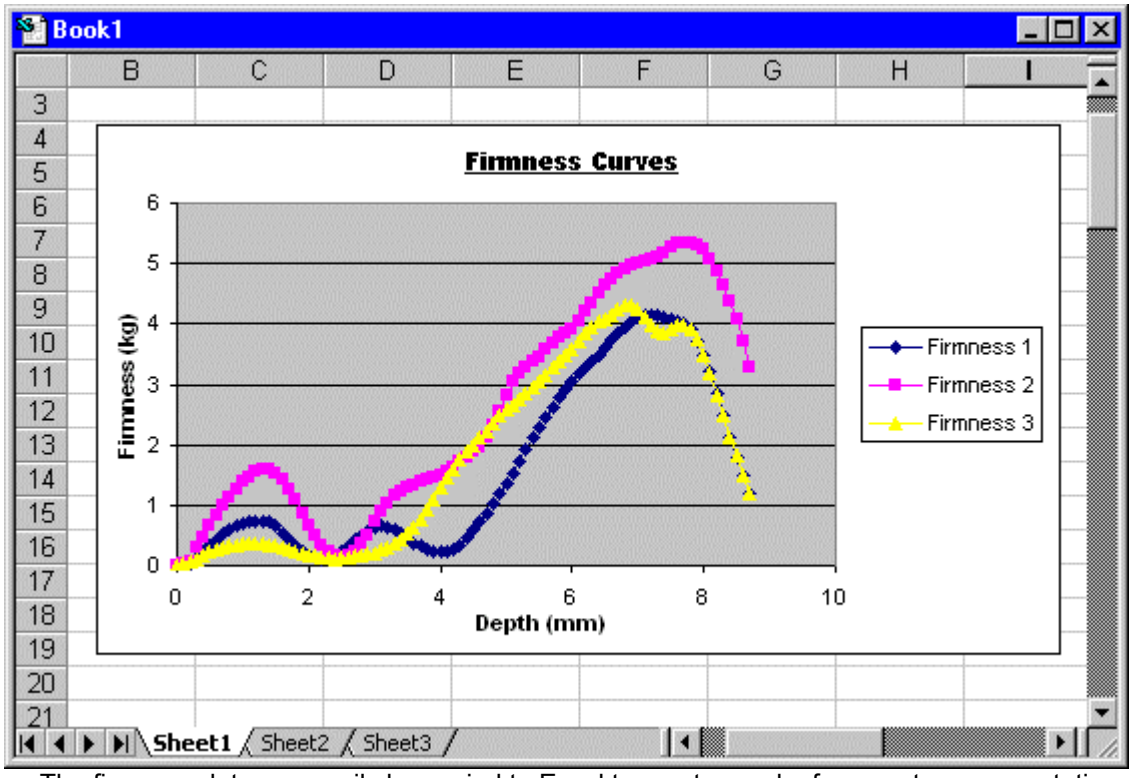
• The FTA can be controlled with **your own software** . The control functions can be accessed through a DLL file. Integrating the FTA with existing QA software systems should not take longer than two hours of programming. ***Download SDK***	• The control software, FTAWin, can now also be configured to write the test results direct to **database** . The system will interface with Paradox, MS Access, DBase, or a database with ODBC driver[s].
• The electronic measure system ensures **accurate, reliable firmness readings** .	• All operating parameters can be regulated via the control PC (probe speed, calibration, threshold load, depth).
• Manufactured with high quality materials and components - stainless steel, anodized aluminum.	• Software can be configured to allow for customised output data and enables the FTA data to be incorporated into existing quality control systems.
• Electronic speed control ensures **accurate probe speed** and also ensures that tests are carried out under standard conditions.	• Software to generate reports from the recorded data is included in the package .
• Built-in safety features protect against overload.	• **Low maintenance** - NO lubrication or adjustments are required.
• The motorized system **eliminates operator discrepancies** and ensures accurate test distance (depth).	• Measuring units: Firmness: kg, pounds, Newton. Depth: millimeter, inch.

It's all in the system

To run the control software, you need a computer with at least:

- Windows 95/98 or Windows NT4.0
- Serial Port
- SVGA display
- 8MB System RAM or more
- CPU 486DX or higher
- CD-ROM drive





The firmness data can easily be copied to Excel to create graphs for reports or presentation.

TECHNICAL FACTS

	GS-14	GS-20
Non-repeatability	0.5 % *(1)*	0.4 % *(1)*
Speed of probe	5 ~ 35 mm/sec	5 ~ 35 mm/sec
Operating range	50 gram ~ 14 000 gram	50 gram ~ 20 000 gram
Maximum fruit size	120 mm	120 mm
Mass	10 kg (approx.)	12 kg (approx.)
Power consumption	100 watt *(2)*	120 watt *(2)*
EFM port (size measure)	Optional	Optional
Bar code input	Optional	Optional
LCD/Keypad port	Optional	Optional
Supply voltage	110 VAC or 220 VAC	110 VAC or 220 VAC

1) Tested at 5.00 mm/sec.
2) Under max. load.