Specifications

HFT™ Technical Data*

Basic installation
- Modules for testing
  Length, Strength and Micronaire
- Colour Module

Additional Options
- BaleSMART: Software for Bale Management
- G-trash: % by weight

Application Range
- Cotton fibre samples

Measuring Principle
- Length and length uniformity : Optical
- Bundle strength and elongation : CRE Principle
- Micronaire : Airflow
- Colour : Optical

Output Parameters

Numerical Results:

Length properties
- UHML, ML and UI (or)
  2.5%, 50% span length and UR

Strength properties
- Bundle strength (g/tex)
- Elongation (%)

Fineness properties
- Micronaire value in micrograms per inch

Colour properties
- % Reflectance (Rd), Degree of Yellowness (+b) and Colour grade

Estimation
- Short Fibre Index (SFI), Maturity Ratio, RiSi and RoSi

Graphical Results:
- Fibrogram and Force Elongation curve

Calibration
- Length, Strength, Micronaire : Instrument calibrated using internationally accepted USDA Cottons
- Colour : Tiles

Ambient Condition
- Relative Humidity : 65 ± 2%
- Temperature : 21 ± 1°C
  (27 ± 1°C for Tropical Conditions)

Power consumption
- 1.2 kVA

Compressed air consumption
- 24m³/ hr at 6-7 bar

*Subject to change without Prior notice

PREMIER

HFT™

Semi Automatic
High Volume Cotton Tester

PREMIER FIBROSAMPLER

PREMIER HFT

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intelligent **QUALITY**

HFT™

Cost Effective High Volume Cotton Tester

PREMIER HFT is a semi automatic High Volume Cotton Tester designed and developed for testing all the important fibre properties

PREMIER HFT Configuration:
- Length and Length Uniformity
- Bundle Strength
- Elongation
- Micronaire
- Colour Module

Additional Options:
- BaleSMART
- G-trash: % by weight

Latest Generation Optics

Helps to measure accurate Length and its associated parameters

Calibration

PREMIER HFT is supplied with internationally accepted USDA calibration cotton and tiles for ensuring consistency in the test results
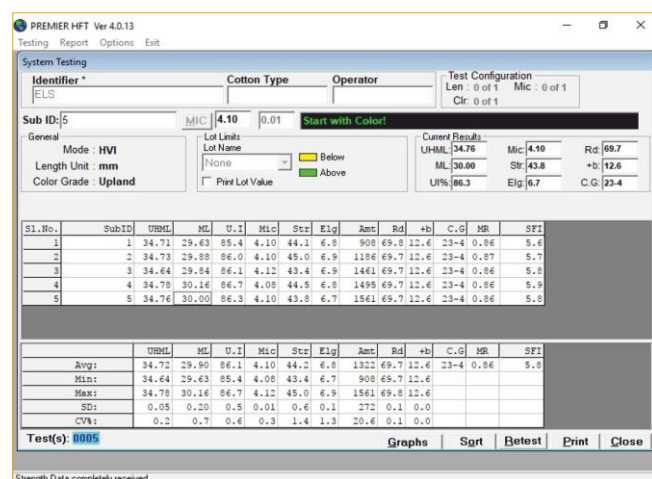
BaleSMART

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A user friendly application software for Bale Management simplifies the bale lay-down procedure to ensure consistent quality. Plays an important role in the mixing cost

Proven High Volume Cotton Tester

PREMIER HFT, the proven high volume Cotton tester uses USDA Calibration Cotton to assure international standards of precision and accuracy. Length information is reported in Mean length mode popularly practiced across the industry from Ginners, Traders to Spinners and also in Span length mode covering short, medium, long and ELS varieties. The independent module testing of Length, Strength, Micronaire, Colour enables flexibility in choosing the right combination of report for extensive use on a daily basis
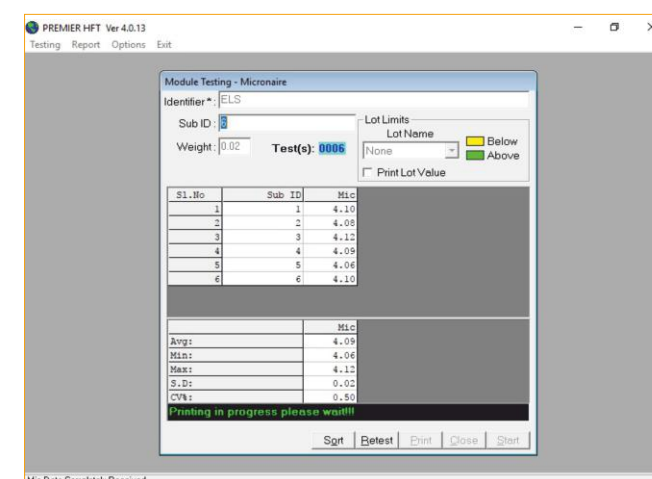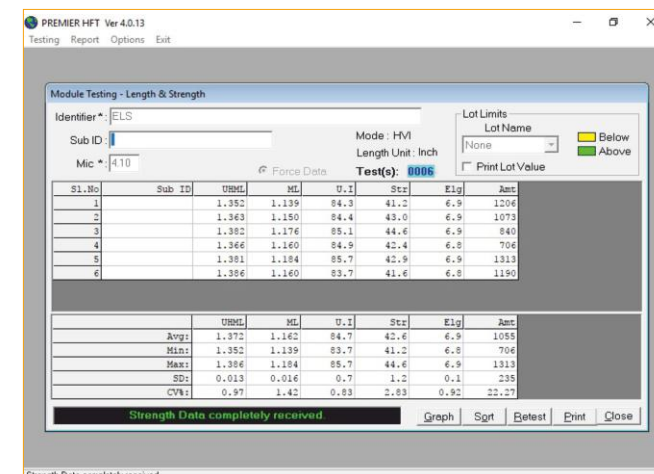
System Testing

- The System testing report provides comprehensive information on Length, Length uniformity, Strength, Elongation, Micronaire and Colour

- Additional information on Maturity, Short fibre and Spinning Index (RiSi and RoSi) helps to evaluate a specific variety during purchase

Module Testing: Length & Strength

- Accurate and reliable results on Length and Strength helps to decide on Raw Material purchase

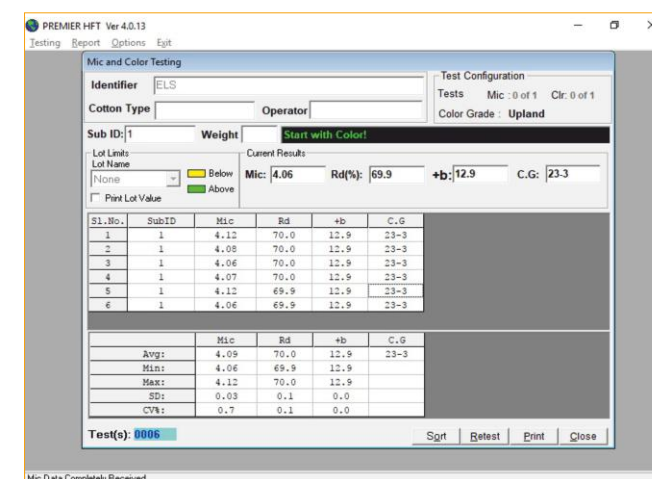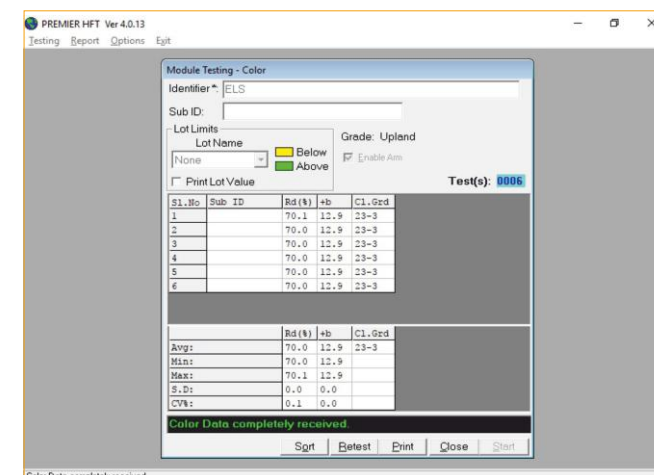- Quick information helps to allot bales to a Mix based on Length and Strength

Module Testing: Colour

- Accurate information on Reflectance (Rd) and Yellowness (+b) helps the user to optimise Mix and Bale Lay-down for a given lot

Module Testing: Micronaire

- Micronaire, in most cases vary widely even within a station , which necessitates bale to bale testing

- Instantaneous information on Micronaire enables to test each bale thereby to optimise Mix on a daily basis

Module Testing: Micronaire and Colour

- A combined report on Micronaire and Colour provides immediate information & greater flexibility to choose the bales