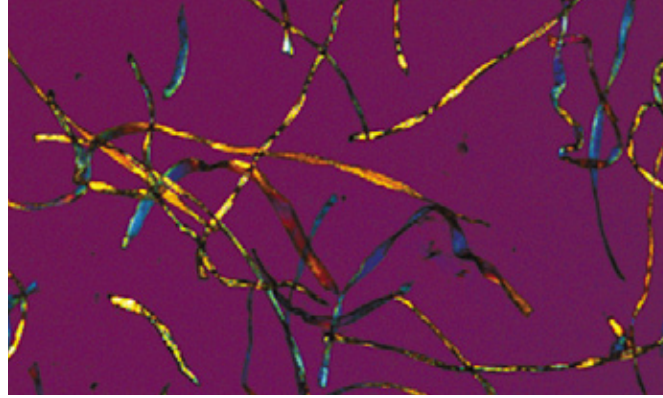
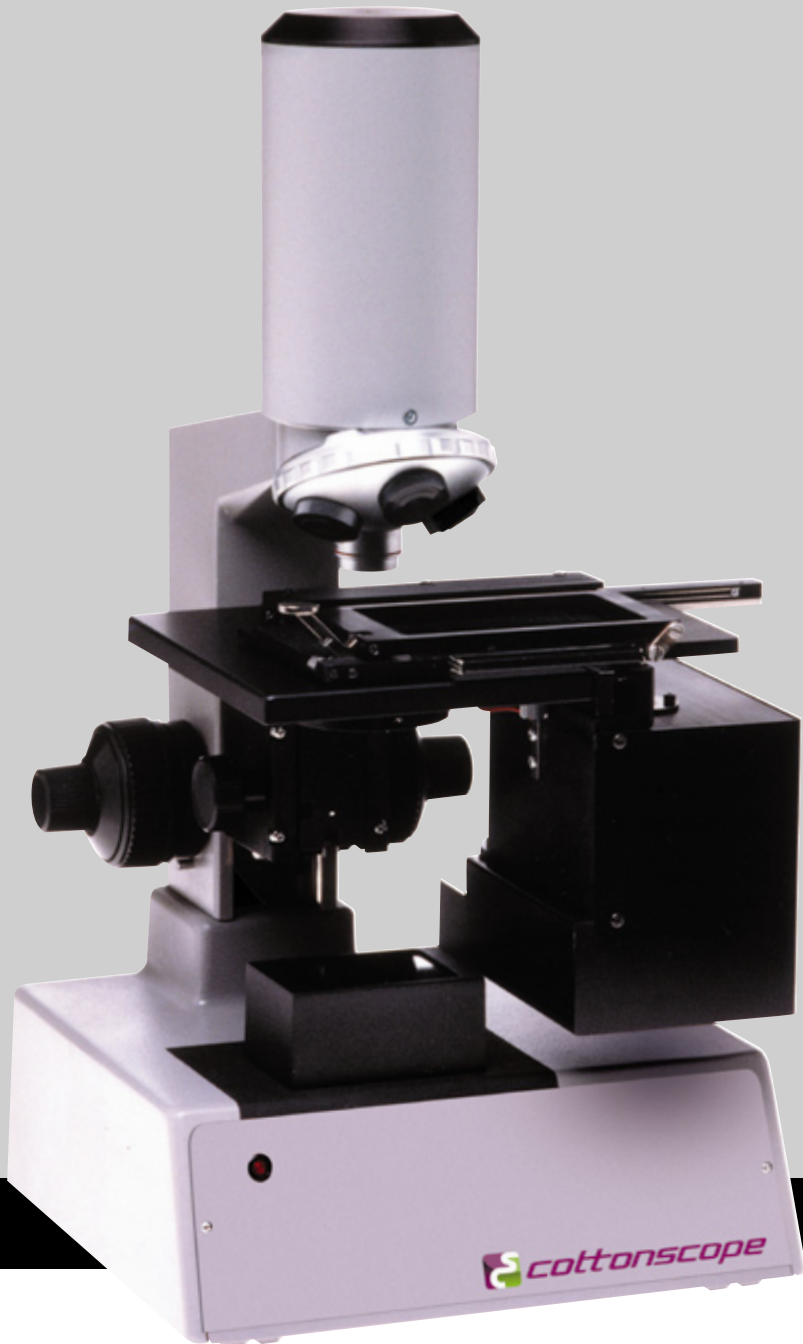


cottonscope

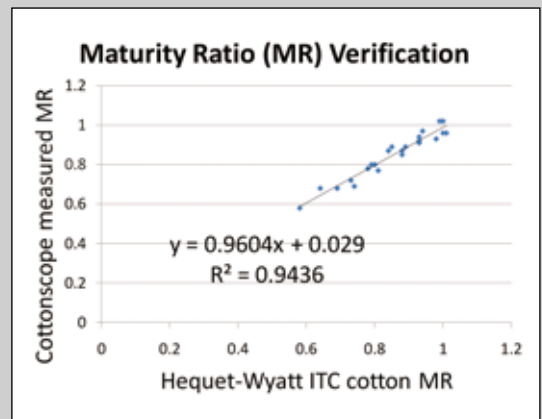
a new instrument for the  
measurement of cotton maturity



A fast, accurate and direct measurement of cotton maturity has been sought by the industry for decades.



Cottonscope is a fully automated microscope that captures colour images of cotton snippets on a glass slide, the colour of each snippet is then used to calculate the maturity ratio. The slide is measured in 25 seconds.



Cottonscope combines the unique technologies of SiroMat and OFDA.

SiroMat is an automated version of the polarized light microscopy Standard Test Method (ASTM D1442-00) and was developed by CSIRO, Australia's premier research organization.

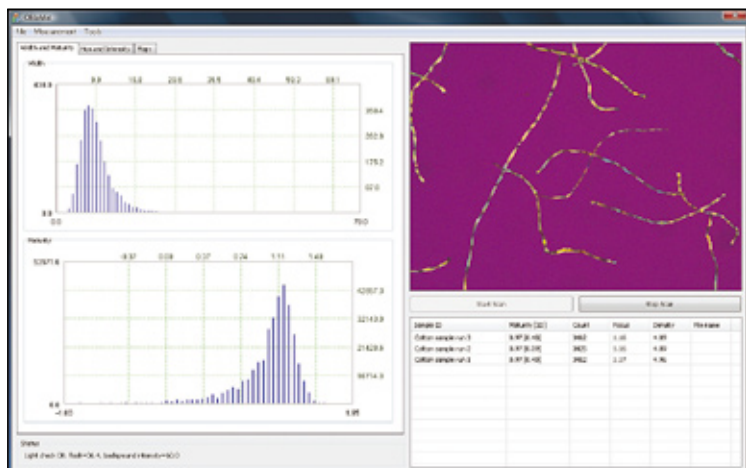
OFDA is the world's leading image processing instrument for rapid, accurate measurement of animal fibres such as cashmere and wool. Over 300 OFDAs have been sold worldwide in the last 18 years.

[www.cottonscope.com](http://www.cottonscope.com)

 **cottonscope**

# breakthrough

A major breakthrough is the removal of the requirement to use mounting liquid for the fibres. The dry fibre mounting method allows rapid preparation and cleaning without mess.



## measurement technique

1. Snippets are cut from samples using a 0.7mm fibre guillotine
2. Snippets are spread onto a 70 x 70mm hinged glass slide using an automatic spreader
3. Slide is placed on Cottonscope and automatically measured in 25 seconds
4. Snippets are vacuumed off the slide
5. See video of operation at [www.cottonscope.com](http://www.cottonscope.com)

## included components

- Computer
- Cottonscope
- Guillotine
- Automatic spreader
- Glass slides
- Accessories pack

## specifications

### computer

Windows XP or Windows 7

Dual core CPU

Minimum 1GB ram

Desktop or laptop

### measurement

25 seconds for 1 slide  
of 2000-7000 cotton segments

95% confidence limit of maturity ratio  
between measurements of 1 slide: +/- 0.012

### voltage

24DC

### operating power

8W (not including PC)

### height x width x length

450mm x 240mm x 240mm

### weight

6kg

[www.cottonscope.com](http://www.cottonscope.com)



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