

# LIS

## Laboratoire d'ingénierie des systèmes de Vers

### OPEN ACCESS EQUIPMENTS

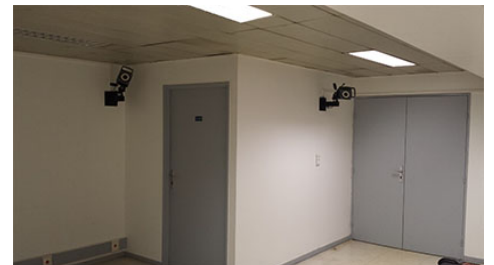
All of the following equipment is accessible to users outside the laboratory.

#### Six Camera system VICON

Réf : T10S/6

Specificity: set of six synchronized cameras for 3D motion measurements.

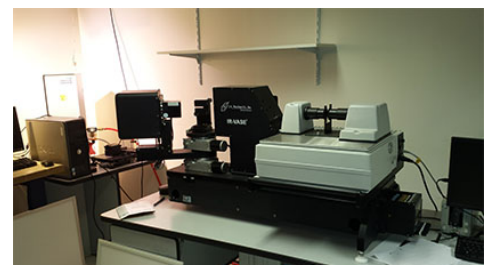
Purchased within the framework of the Equipex Robotex



#### Infrared ellipsometer

Réf : Woollam

IRVASE Specificity: ellipsometer with a very wide measurement range towards the infra-red



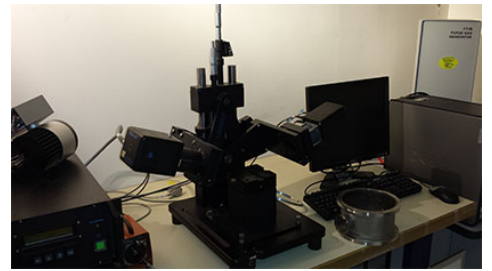
## Visible Ellipsometer

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Réf : Woollam

WVASE32

Specificity: complementary in wavelength to IRVASE



## Zygo interferometer

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Ref : ZMI2001 Specificity : excellent performances,  
reference interferometer in the world of interferometry.

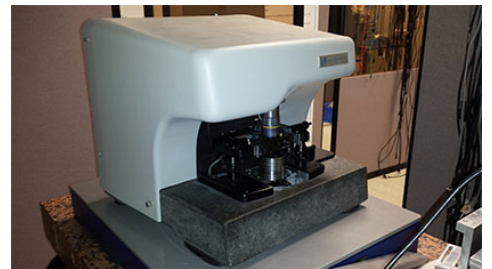
Resolution 0.31 nm.



## Atomic force microscope (AFM)

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Réf : Pacific Nanotechnology



## Climatic enclosure ESPEC type ARL-O680

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Volume : 680 L

Température : -45 à +180°C

Humidity : 10 à 98% RH



## Fatigue machine INSTRON E3000

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Capacity 3 kN, Range 60 mm (+/- 30 mm)

Extensometer

Thermic chamber (up to +350°C)

Frequency 0,01 à 100 Hz



## Labsphere integrating sphere and spectrometer (CDS610)

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Diameter: 500 mm.

Measurement: 2ft and 4ft.

Wavelength: 350nm 1000 nm.

Integration time: 8ms to 30 s.

Total flux of the light source (Lm).

Total luminance of the source (Cd).

Chromatic coordinate (x,y).

Color rendering index CRI.

Color temperature (K).

Emission spectrum of the source..