# COMPACT HYPERSPECTRAL SYSTEM

*Material analysis by spectroscopy*

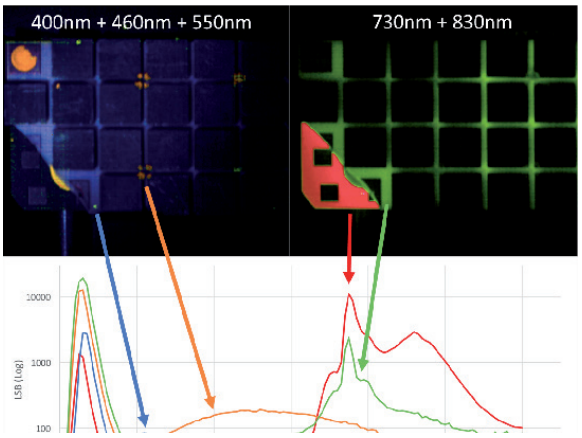
## Technological benefits

### Efficiency

Compact and robust mounting.
Simplified manufacturing.

### Options integrated into the optical system

Integrated UV and visible illumination sources.
Innovative shutter for system longevity.
A dynamic autofocus.




Fluorescence of aluminas, glues and particles on a gamma detector.

## Invention overview

The invention is a portable hyperspectral measuring instrument compacted in its optical combination with the integrated UV and visible illuminating sources. The aim of the invention is to measure the absorption or fluorescence signal of an area through hyperspectral imaging in the band 300-1000 nm.

## Commercial benefits

**Economic**

**Robust**

**Adaptable**

## Potential applications

**Aeronautics, space : control of glues, resins and paints in AIT.**

**Medicine : melanoma, skin absorption from 300 to 1000nm.**

**Art : signature of absorption, fluorescence of pigments.**

***TRL : 2***

*Patented invention, available under license*

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**For further information**

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