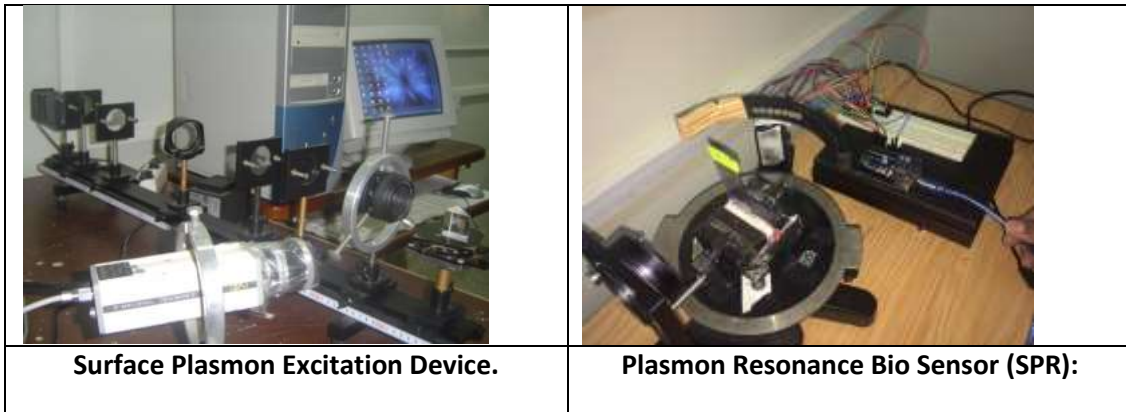


Plasmons Resonance Bio Sensor



- **Description of the technological product:**

A Device of Surface Plasmon Excitation of gold layers, used for the study of biological environments. In our case, we study the plasmons interaction in the presence of pyridine and blood study (haemoglobin). This device shows amelioration in terms of capture. In fact our device, based on light focusing, uses the CCD which captures the whole image of the response (see diagram). The capture which does not move shows fewer scanning mistakes, thus a better precision about the minima position. The results were validated and presented in different events.

- A device of how using disseminated light by biological environments, human tissue, for the study of cellular nuclei development (tumours) of different organs, the samples are elaborated by the Pathological Anatomy Service of Setif Teaching Hospital. The results were validated by many researchers throughout different events, and also by expert committees of innovative products.
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