

*Made-to-Measure
Vision Solutions*

VisioFlex



Integrated vision-based solutions.

Raw materials

- Granulometry
- Lack of material

Manufacturing

- Precision measurement
- Shape analysis
- Colorimetry

Industrial safety

- Machinery protection
- Virtual barriers

Packaging

- Printing
- Labelling
- Positioning

VisioFlex

VisioFlex places the entire **know-how** and **technology** of Capflow at the service of your company's specific needs.

You **define your needs** and we take care of all aspects of the project in **close contact with your internal staff**. Once the system has been created, we manage and implement the **complete integration** of our systems on your site, providing **suitable training** for your staff where required.



Technologies & Skills

Capflow has developed extensive **knowledge and skills** from its project experience in a variety of fields. These include:

Cameras	Linear, CCD standard and high resolution Digital high resolution (up to 2048 x 2048 pixels) or high speed (up to
Acquisition cards	Analogue cards, camera link, LVDS
Physical acceleration	FPGA + VHDL
Lighting	Directional lighting, LEDs, IR
Algorithms	Advanced image processing libraries developed by Capflow
Electronics	Micro-controllers, DSP, PIC, PCB design

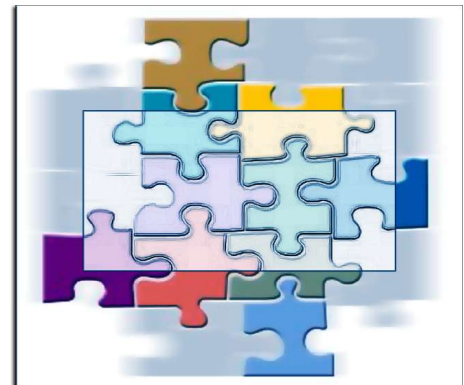
Solution & Integration

Our technical experience enables us to help you with

- the **right technological choices** best suited to your requirements
- **appropriate use** of the selected technologies

Capflow also regularly collaborates with a network of tried and tested subcontractors.

Integration into your own systems is one of major advantages of a Visioflex solution. Capflow handles the liaison with any subcontractors used totally transparently for you. One single point of contact - clearer dialogue.



Some of our projects

- Label analysis
 - Ink overflow detection
 - Alignment verification
 - Detection of gluing errors
 - Integration:** limited space on the chain. Compensation by using an off-centre viewing angle
- Precision measurement of small dimension objects
 - Measurement of dimensions and angles
 - Detection of excess material by contour analysis
 - Integration:** insertion in a production robot, cohabitation with another vision system
- Raw material flow analysis
 - presence testing by texture analysis
 - Integration:** creation of a portal to support cameras above the carrier band.