

Machine manufacturers / Industrials

R&D / Research centers

VISION for QUALITY CONTROL & PROCESS MONITORING



MACHINE VISION & IMAGE ANALYSIS

Optimise your Quality & Process controls

We support industrial projects for the automation of inspection and process monitoring operations. Our offer - Software / Hardware / Services - allows to meet the optimization needs of manufacturing process in industry 4.0.

Tailor-made solutions & Support from A to Z

We favor solutions tailored to the needs of your project and we put our expertise at the service of the specific requirements and challenges of your specifications. Our support includes the design, the realization and installation of your vision applications. We ensure the implementation of the devices and their integration into your production environment.

A pragmatic and efficient approach

Our technical expertise and our added value as consultants and project managers are based on:

- more than 10 years of R&D
- innovative technologies at the cutting edge
- an experienced team
- a solid field experience
- a network of reliable partners

Your benefit

Adapted cross-functional solutions that are robust, flexible and efficient, and also the easiest to use on the market.

Innovation
in all simplicity

Food industry - Metallurgy
Mecanics - Textiles - Plastics
Glass - Luxury - Automotive
Logistics - Robotics - R&D
Special machines...



Technologies & Solutions

State-of-the-art technologies,
simple, flexible et robust

Our software suite combines **the best of traditional 2D image analysis and 3D imaging technology with state-of-the-art artificial intelligence (AI) methods** in a single, ergonomic interface that is **easy to use, even for non-specialists**.

Specialized, reliable and efficient modules

Capable of handling the simplest to the most complex subjects, the multitude and diversity of control points, in single or continuous control, even at high speed.



Detection
of anomaly



Detection, classification,
location of defects



Dimensional
measurements



Aspect and color
control



CAB / Datamatrix /
QR Code / OCR reading

Scalable, customizable and embeddable applications



Sorting of parts



Robot guidance,
assembly, unrooting,
palletizing/depalletizing



Process and production
environment monitoring



Traceability

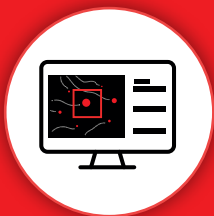
Image analysis & R&D

Thanks to our background and expertise in the research sector, particularly in the highly specialized field of nuclear fusion, we are naturally very much involved in R&D issues. We regularly collaborate with large institutional and private research centers and respond to calls for innovation projects.



Calling us is to guarantee you:

1. A technical expertise of more than 10 years
2. An active listening of your needs for adapted and scalable solutions
3. State-of-the-art technologies, robust and efficient
4. Easy to use, even for non-specialists
5. A global and transversal support



SOFTWARE



HARDWARE



SERVICES



VISION PACK

Every day hundreds
of thousands of controls
are performed by our solutions.



More than a product: solutions

Software



To create and implement
camera inspection
applications

- Image analysis and defect detection for quality control
- Event and compliance management
- Interface for the production environment
- Event traceability function
- 2D and 3D vision modules



To create your artificial
intelligence models

- Annotation
- Database management
- Training and performance evaluation

Hardware

- Optical equipment: 2D and 3D cameras, lenses, lasers...
- Lighting
- Vision controllers, screens
- Supports and fixings, protective boxes
- Cabling
- Triggers
- Electrical boxes
- Mechanical solutions: conveyors, robots...

Services

- Feasibility study
- *A la carte* design of your application
- Recommendations and supply of materials
- Prototyping
- Implementation on site
- MOC (Maintenance in Operational Condition)
- Training, follow-up and support

APREX

SOLUTIONS

MACHINE VISION & IMAGE ANALYSIS

VISION for
QUALITY CONTROL
& PROCESS MONITORING



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