

Counting

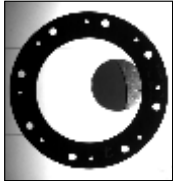
Machine Vision



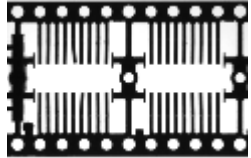
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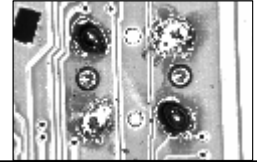
Sorting



Cutting, punching



Molding



Electronic solders



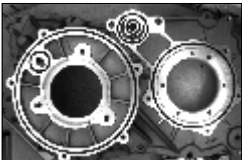
Measuring

TOPICS of USE

Agriculture, food.	Iron manufacture.
Assembly line.	Mechanical industry.
Automation.	Metal use.
Automobile.	Packaging.
Cutting, punching, stamping.	Pharmaceutical industry.
Electricity.	Printing works.
Electronic.	Plastics and molding.
Hostile areas.	Robotics.
Informatique and computers.	Security and safety.



Stranger part



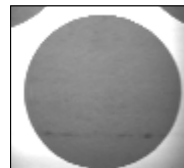
Cleanliness



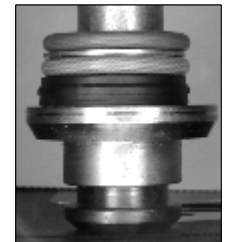
Presence



Print check



Shape acknowledge



Assembly check

REALISATION EXAMPLES

Conformity on electronic PC boards.
 Checking of displays, lamps, leds,
 electrical coils, stoppers of bottles,
 labels, shapes, lines of glue,
 rivet profiles, filling of bottles and
 flasks, biscuits at exit from oven,
 colour of wires, lengths, etc.
 Information of situation for robot.
 Identification of shapes, characters.
 Reading of car matriculation boards.
 Handling parts within containers.
 Mesuring of connectors.
 Mesuring surface temperatures.
 Presence of parts within a blister.
 Searching scratches upon surfaces.
 Automatic setting of car lamps.
 Checking for direction, for safety.
 Watching for plating process.
 Sorting of fruits along with
 dimensions, shape, colour points,...
 Valid date checking.

BASIC PRODUCT



B&W or COLOUR

VisiOpal: PC basis,
 opened system,
 one or more cameras,
 quick, powerful,
 flexible, efficient,
 top of range,
 with **FRENCH** software

SICK: B&W
 IVC2D 640 / 1024 pixel
 Smart camera
 OCR / OCV / barcode

NAIS: B&W or colour
 A110-A210-A230-AX30-P400
 Compact or PC basis
 MATSUSHITA products

KEYENCE: B&W or colour
 CV022-CV110-CV301
 CV500-CV700-CV2100
 Screen embedded or apart

We can provide:

Full or part of:

Feasibility tests.
 Choice of hardware.
 Initial tests checking within
 our laboratory.
 Design and realization for
 mainframes and others.
 Automation.

Software settings.
 Embedding in final plant.
 Final settings.
 Users training.
 Final receipt.
 Support service.



Applications and Developments for Industry in Mechanics, Electronics and Robotics.
 - MACHINE VISION - - ELECTRONIC DEVELOPMENTS -

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