

ZERO defect

ON-LINE AUTOMATIC SURFACE
INSPECTION & MEASUREMENTS



HIGH-RESOLUTION INSPECTION & TRACEABILITY SOLUTIONS FOR FLAT SURFACES



Lineavision®:

Quality process characterization and defect classification

Accurate quality control and management as well as process monitoring can easily be performed at each step of the process through continuous automatic inspection of your surfaces: paper, film, foil, composites, plastic, woven, non woven, metal, flat glass, etc...

Using the latest technology of high speed line scan cameras, 3D sensors and lighting systems tuned to your application, the system catches all surface defects, monitors structural distortions and checks surface flatness and width regularity. Each detected anomaly is immediately taken into account for potential instant action to maintain continuous surface production.

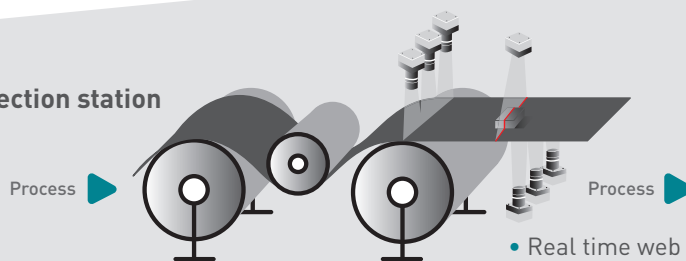
The integration of 3D sensors into Lineavision inspection solution makes the detection of defects with a z direction component more reliable. This multi sensor inspection is the perfect solution to differentiate relevant heights of structures on flat surfaces.

All continuous measurements and detected defects are saved in a batch report showing the morphological characteristics of each defect and the exact location in the roll/batch/sheet. The quality is monitored in real time.

All reports can be exported to a general data base for post-process use: statistics, cutting optimization, summary sheets, printouts, etc. The inspection sensitivity can be adjusted according to the required quality.

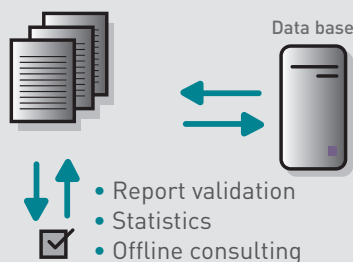
LineaVISION®

LINEAVISION® Inspection station



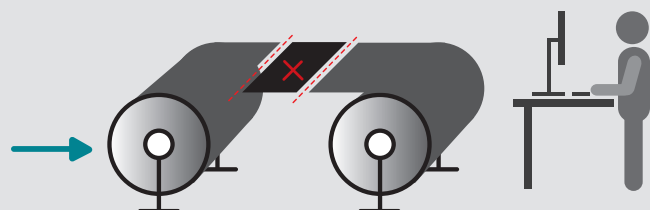
- Real time web inspection
- Surface analysis & measurements

LINEAVISION® Report



- Report validation
- Statistics
- Offline consulting

LINEAVISION® Pilot



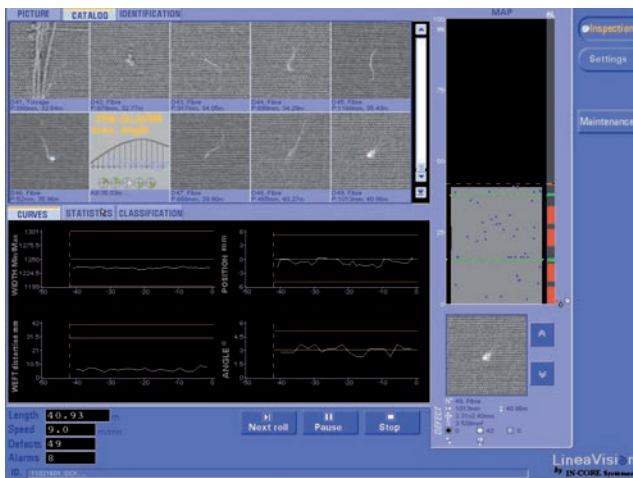
- Downstream defect synchronization
- Defect management (removal, marking, ...)



REAL TIME SURVEY

Lineavision®:

High resolution image for defect identification, process synchronization & live display.



By continuously scanning the full surface, all defects are detected. A comprehensive and intuitive touch screen operator interface displays the inspection results and enables local configuration of the inspection station.

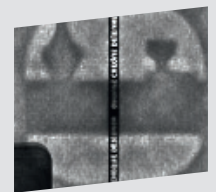
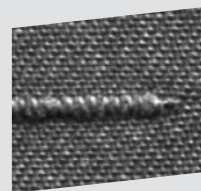
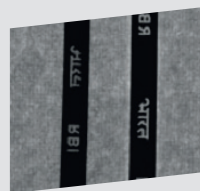
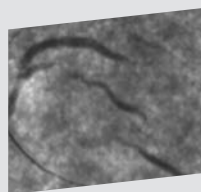
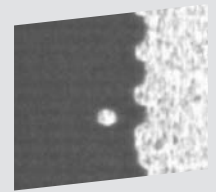
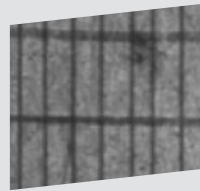
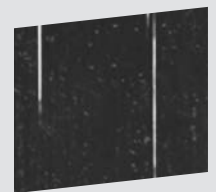
The detected defects are registered on a moving graphic map displaying the inspected job length. Every single defect can be displayed with information on size, position, class, etc...

Advanced functionalities, determined by the detected defect class, activate output action: alarms, marking, yield calculation.

The operator always has full control of the manufacturing process and can intervene at any time.

The extensive analysis of trends and statistics provides information for process improvements and higher product quality.

MULTI SURFACE EXPERTISE





Who we are

IN-CORE Systèmes is a front-line player, whose expertise is concentrated around imaging systems and optical methods for 100% surface inspection of continuous processes.

The core activity of the company is to design and manufacture automatic surface inspection systems based on line scan cameras, high performance illumination and computer technology with our proprietary process software. IN-CORE Systèmes has been present in computer vision since the late 1980s. An experienced team will contribute to the success of your projects with their solid backgrounds in science and technology, and unique expertise and skills in video inspection acquired with the key players on the market.

What drives us

Our motivation is your satisfaction throughout the whole decision process. We want to establish long term customer relations flexibly fulfilling your individual requirements. We want to optimize your quality, productivity and production process by reducing waste, non-quality costs and rejects. Well known industrial companies all over the world, in various business segments have given us their trust to install our systems.



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