



# ZERO defect

BATTERY

ON-LINE AUTOMATIC SURFACE  
INSPECTION & MEASUREMENTS

**is**  
in-core  
systèmes

# HIGH RESOLUTION INSPECTION SOLUTIONS FOR BATTERY ELECTRODES & SEPARATOR



## 100% surface & pattern inspection

- Real time measurements of pattern positions and edge straightness
- Highlight crucial defects such as but not limited to inclusions, bubbles, pinholes, agglomerates, scratches, etc.
- Control of double side coating position and skip coating

## Defect detection on the following process

- Extrusion/Coating/slitting
- Cell assembly: stacking, winding, laminating
- Respooling/calendering for defect removal

## Benefits

- Quick return on investment
- Production cost reduction
- Yield optimization

## Flexible data management & traceability

- Consolidation and management of data coming from sub- systems such as thickness measurement, etc.
- Final report including all key data per roll/cell, ...

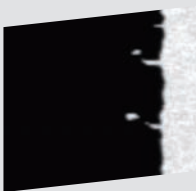
ELECTRODES



Coating defects

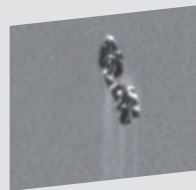


Coating defects

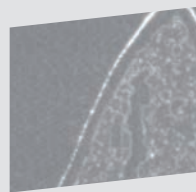


Extrusion defects

SEPARATOR



Coating defects



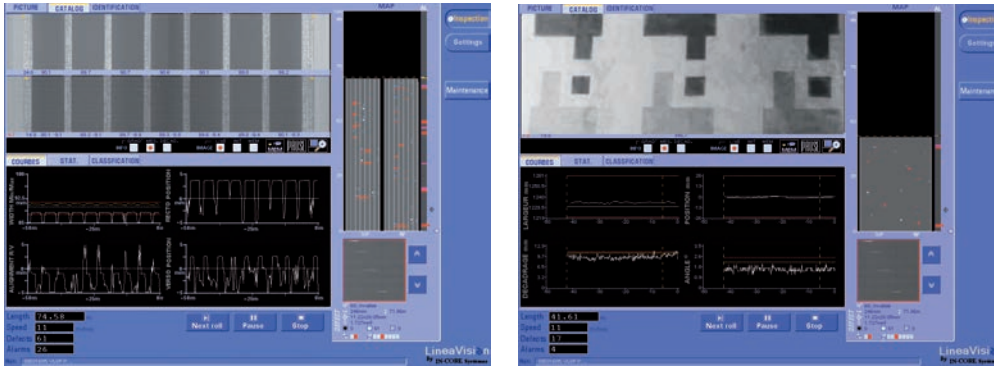
Extrusion defects

COMPLEX

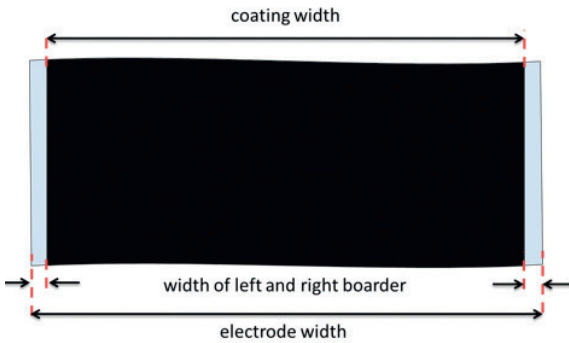


Lamination defects

# Live display of detected defects and measurements



Repetitive defects management  
Customized output actions

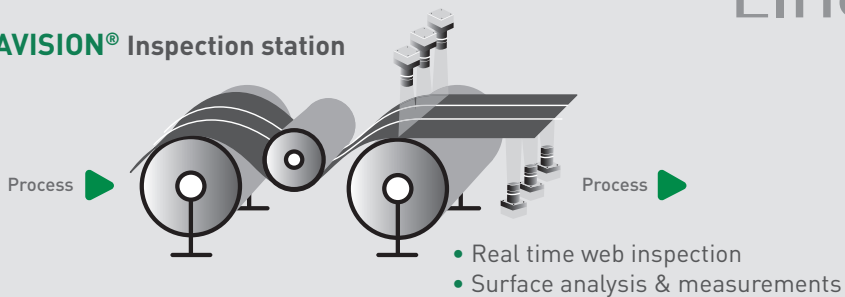


## Measurements and dimensional controls on each side:

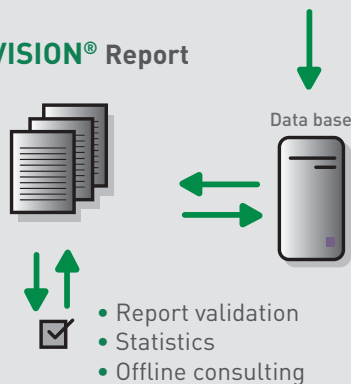
- Edges regularity (borders)
- Coating positions
- Registration/alignment of top and bottom coating

LineaVISION

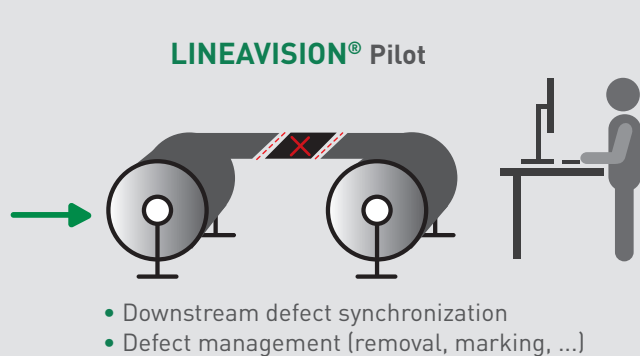
### LINEAVISION® Inspection station



### LINEAVISION® Report



### LINEAVISION® Pilot





## OUR RANGE OF **SERVICES**

### **SYSTEM SPECIFICATIONS**

- Evaluation of your needs
- Feasibility study
- Software customization
- Mechanical integration
- Flexibility/adaptation to future needs

### **COMMISSIONING**

- Installation
- Training
- Start-up

### **GOLD SUPPORT**

- Telephone hotline
- Dedicated technical experts
- Remote access
- Quick response time

### **SERVICES**

- Onsite repairs
- Spare parts
- Preventive maintenance



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