



ZERO defect

BATTERY

ON-LINE AUTOMATIC SURFACE
INSPECTION & MEASUREMENTS



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

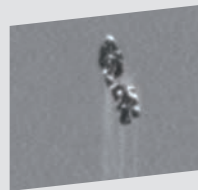


Coating defects

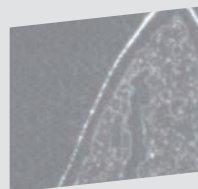


Extrusion defects

SEPARATOR

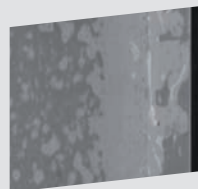


Coating defects



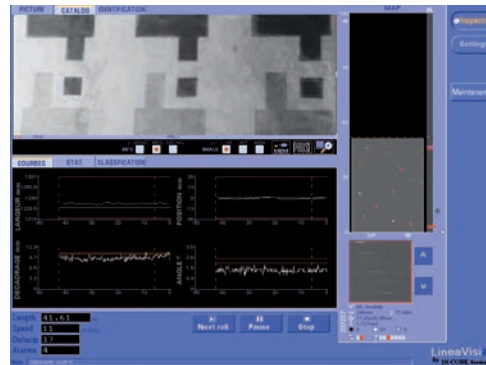
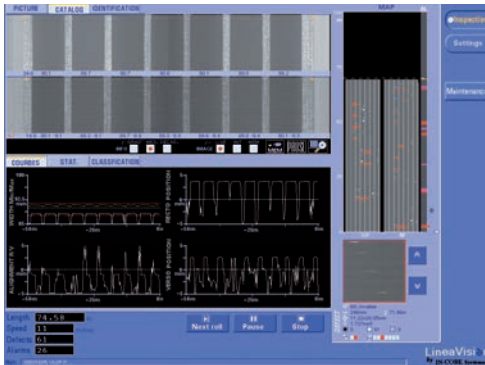
Extrusion defects

COMPLEX

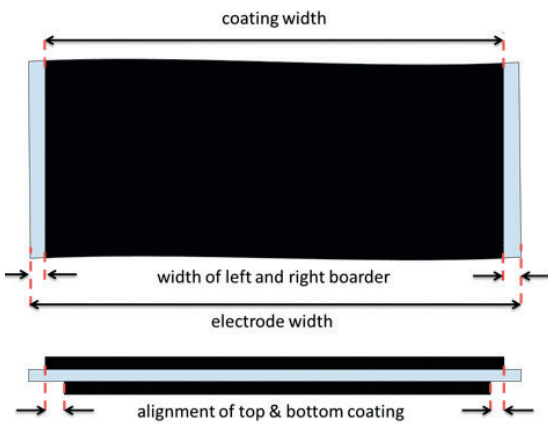


Lamination defects

Live display of detected defects and measurements



Repetitive defects management
Customized output actions

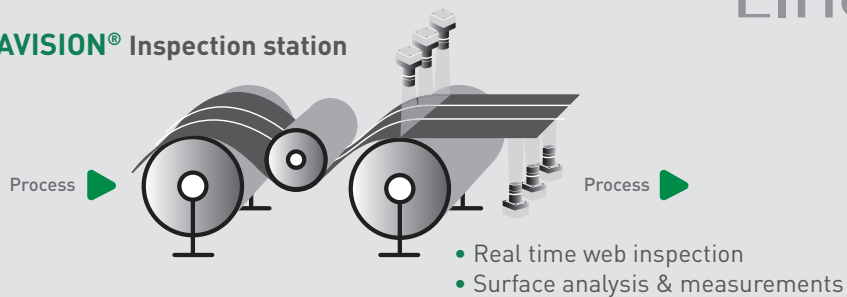


Measurements and dimensional controls on each side:

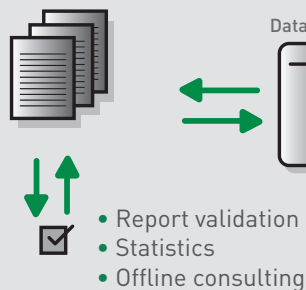
- Edges regularity (borders)
- Coating positions
- Registration/alignment of top and bottom coating

LineaVISION

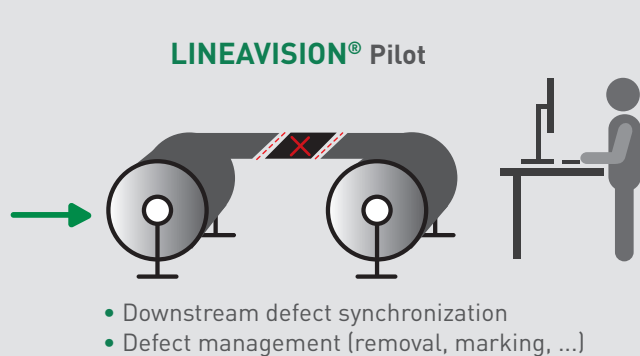
LINEAVISION® Inspection station



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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