

ZERO



→ BATTERY

defect

ON-LINE AUTOMATIC SURFACE
INSPECTION & MEASUREMENTS



IN-CORE
●●●● *Systèmes*

→ INSPECTION SOLUTIONS FOR ANODE / CATHODE / SEPARATOR ON ALL PROCESS STEPS

→ RAW MATERIAL

- Substrate defects

→ COATING / SLITTING DEFECTS

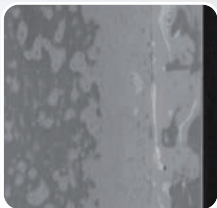
- Measurements and dimensional controls
- Slitting defects
- Collection and management of thickness measurements and other sub-system information

→ CELL ASSEMBLY

- Stacking
- Winding

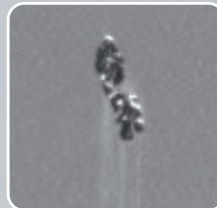
→ DEFECT REMOVAL ON RESPOOLING / CALENDERING

- Downstream synchronization
- Scrap management



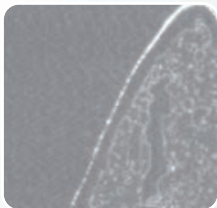
STACKING DEFECT

- Cell



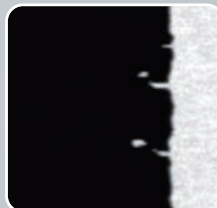
FOREIGN INCLUSION

- Electrolyte



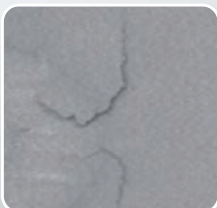
COATING DEFECT

- Electrolyte



LAMINATION DEFECT

- Lithium



COATING DEFECT

- Electrode

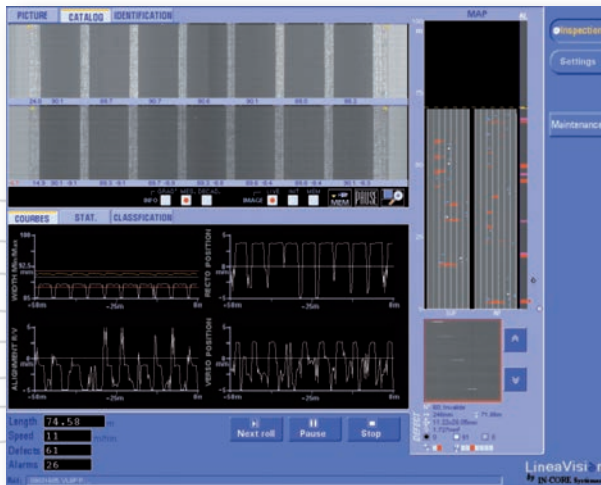


COATING DEFECT

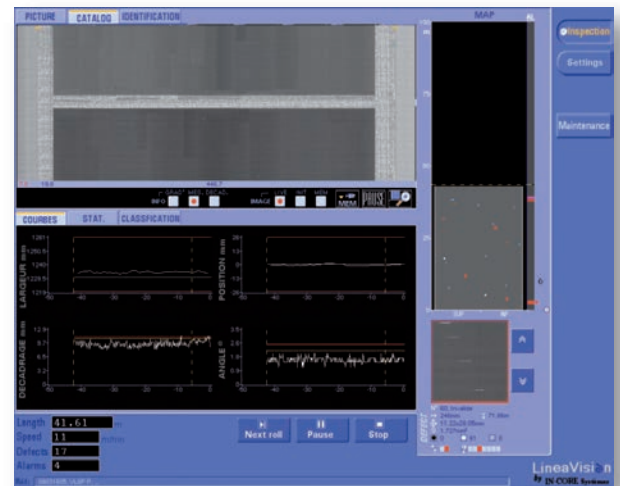
- Electrode

→ USER-FRIENDLY INTERFACE

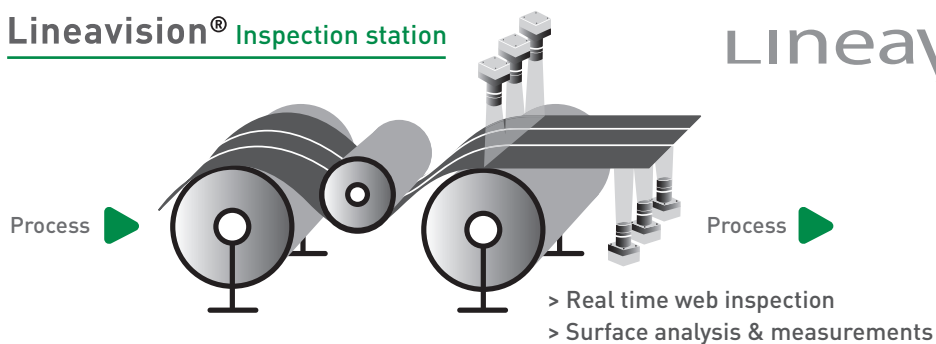
GRAPHIC USER INTERFACE



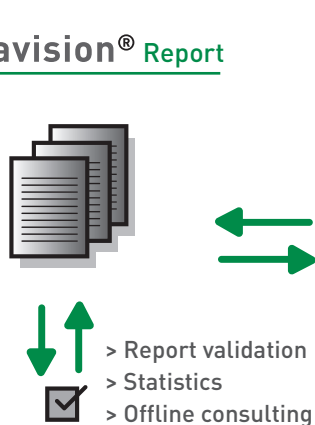
- > LIVE DISPLAY OF DETECTED DEFECTS AND MEASUREMENTS
- > MEASUREMENTS AND DIMENSIONAL CONTROLS ON EACH SIDE:
 - Edges regularity (borders)
 - Coating positions
 - Registration/alignment of top and bottom coating
- > REPETITIVE DEFECTS MANAGEMENT
- > CUSTOMIZED OUTPUT ACTIONS



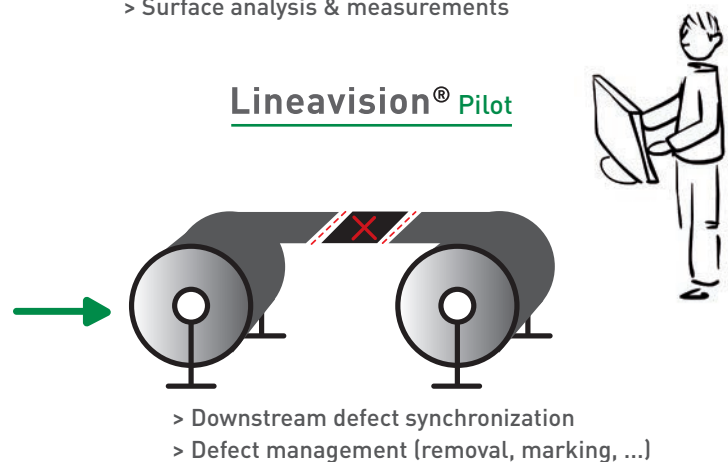
LineaVision® Inspection station



LineaVision® Report



LineaVision® Pilot





→ OUR RANGE OF SERVICES

SYSTEM SPECIFICATION

- Evaluation of project
- Feasibility study
- Customization
- Definition of project
- Flexibility/adaptation to future needs

SUPPORT

- Telephone hotline
- Technicians
- Remote access
- Application consulting

COMMISSIONING

- Installation
- Training
- Start-up

SERVICE

- Onsite repairs
- Spare parts
- Preventive maintenance

ON-LINE AUTOMATIC SURFACE
INSPECTION & MEASUREMENTS



IN-CORE
•••• *Systemes*

PARC AKTILAND - Bât A - Chemin du Lortaret
69800 St Priest - France
tel. +33 4 69 84 16 66
www.incore-systemes.fr