

Z E R



→ BATTERY

defect

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

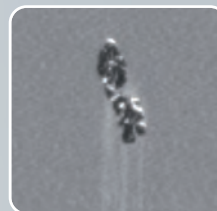


COATING DEFECTS

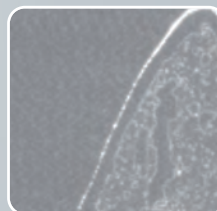


EXTRUSION DEFECTS

→ SEPARATOR

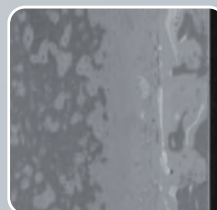


COATING DEFECTS



EXTRUSION DEFECTS

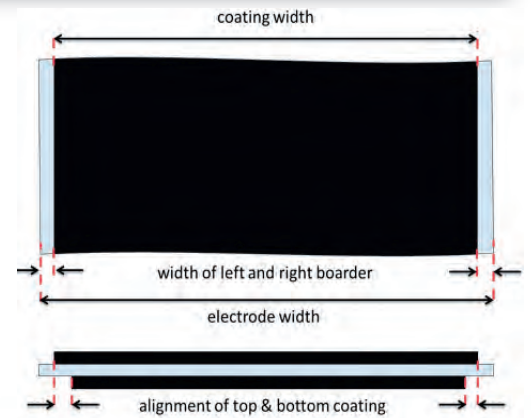
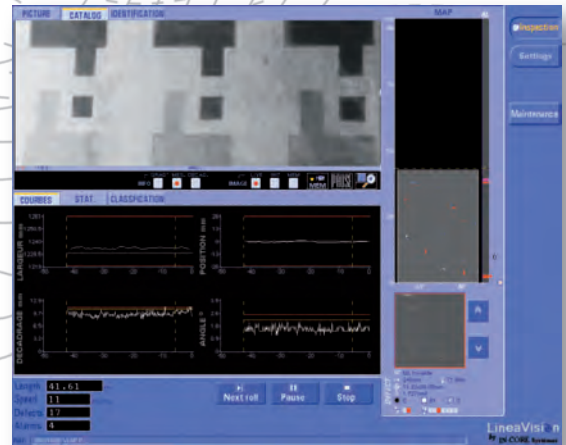
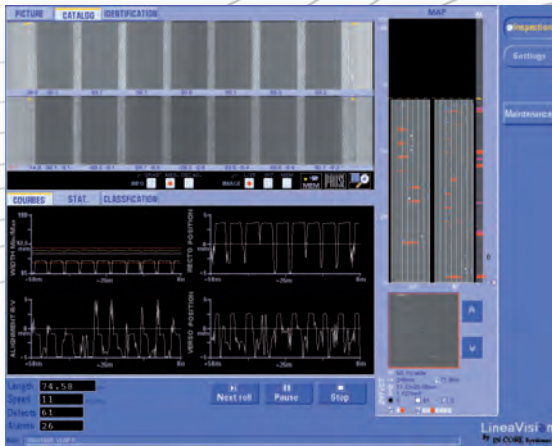
→ COMPLEX



LAMINATION DEFECTS

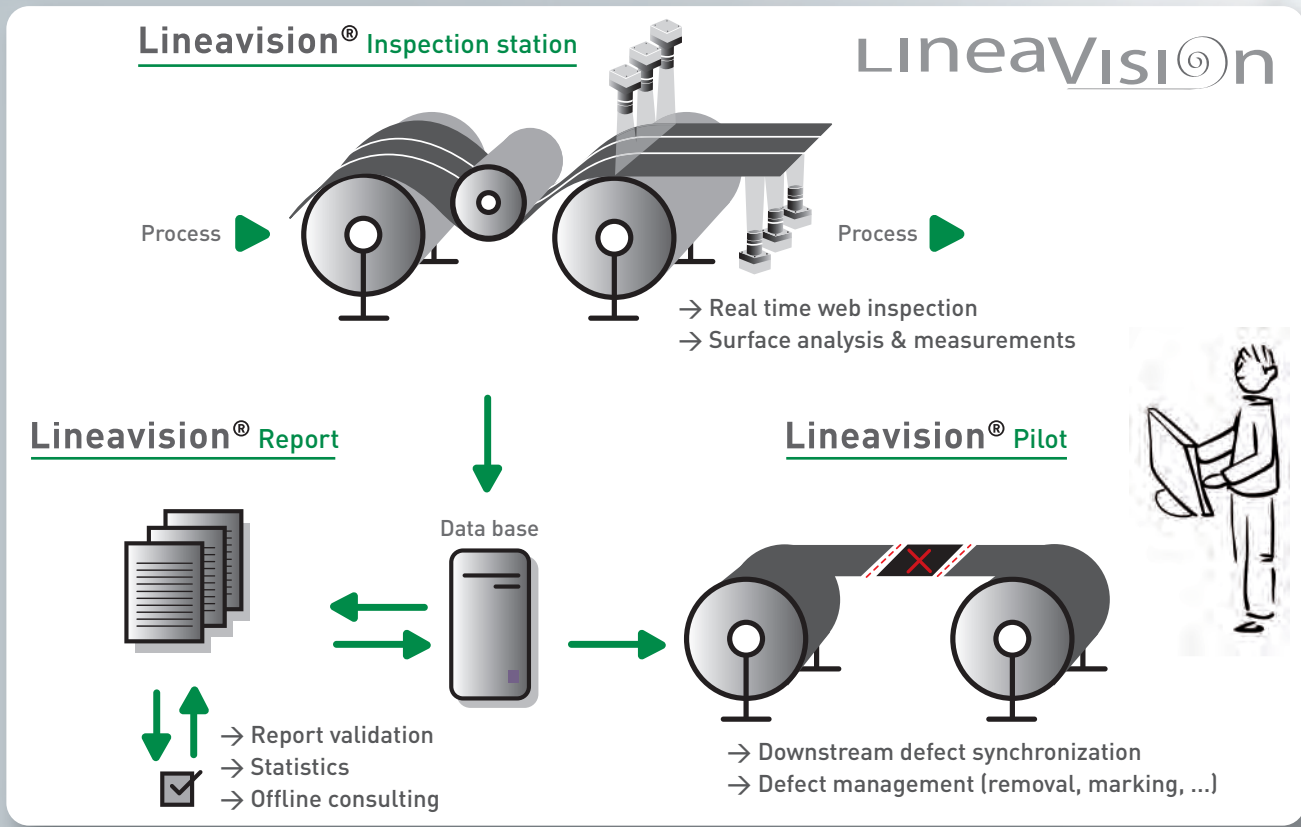
→ LIVE DISPLAY OF DETECTED DEFECTS AND MEASUREMENTS

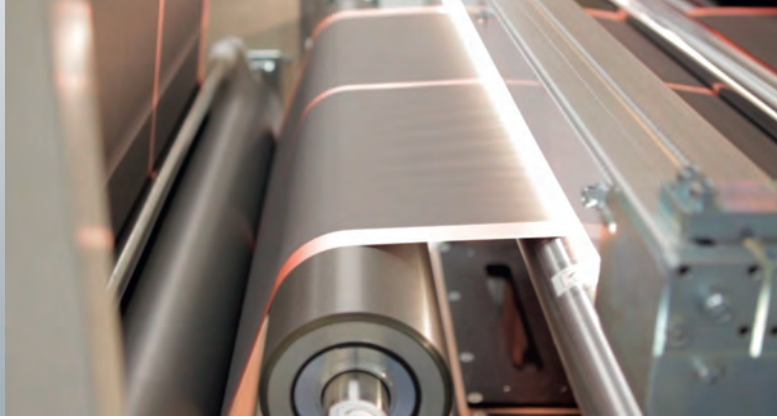
- REPETITIVE DEFECTS MANAGEMENT
- CUSTOMIZED OUTPUT ACTIONS



→ MEASUREMENTS AND DIMENSIONAL CONTROLS ON EACH SIDE:

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





→ 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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