

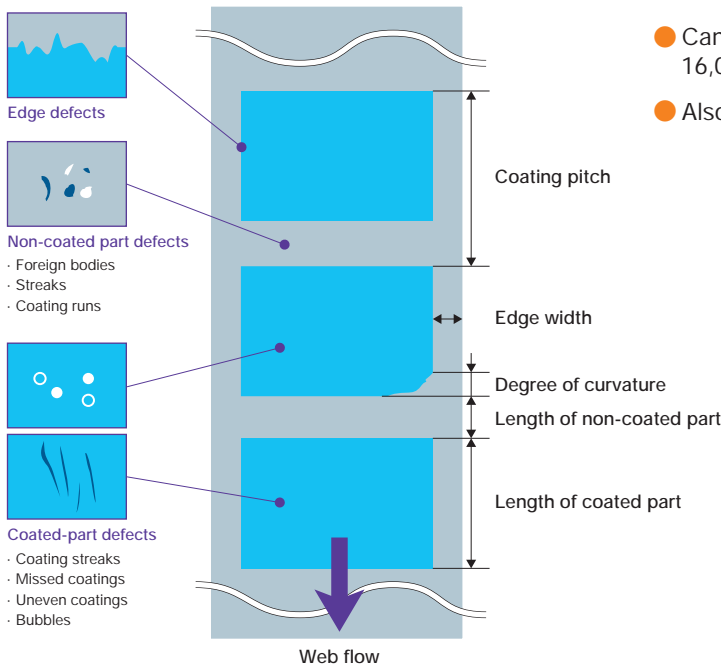
e-FlexEye-RB2

Preventing the flow of defects and ensuring a high yield

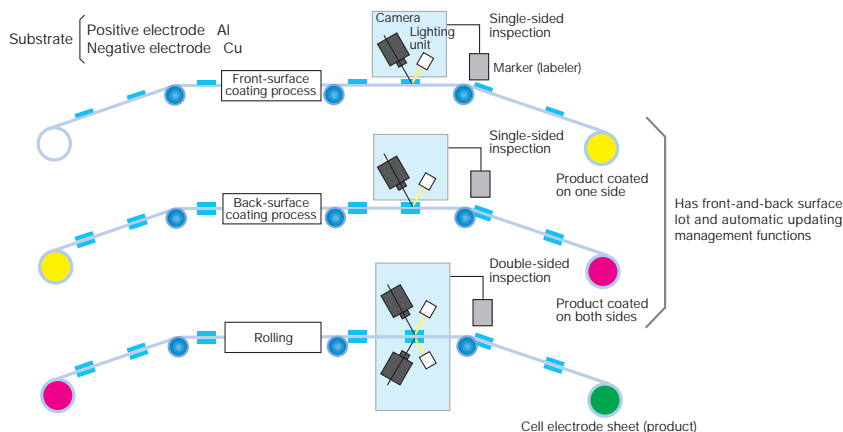
Nireco's cell electrode sheet inspection system detects both coating defects and coating gap defects in intermittent and striped electrode sheets simultaneously, using a single high-speed line sensor and hardware-based image processing. This system also performs pattern dimension measurement (coating edge rise, degree of alignment, register length, etc.) of both coated and uncoated parts at the same time.

Cell electrode sheet inspection functions

(Inspection of coated and uncoated parts, front and back simultaneous inspections)



Examples of cell electrode sheet visual inspection system operations



Features

- Handles intermittent coatings, multiple-stripe coatings, and intermittent + multiple-stripe coatings
- Using Nireco's unique method, one camera can inspect both coated and uncoated parts
- The system can measure the dimensions of coated or uncoated parts
- Can also detect defects near the edges of coated or uncoated parts
- Can monitor curves and front-and-back coating shifts near the edges of coated or uncoated parts
- Can be fitted with a line sensor camera having 2,048 to 16,000 pixels and a maximum data rate of 320 MHz
- Also supports a CIS (Contact Image Sensor)



