

UV curing monitoring devices

Curea



[International patent acquired]
Japanese Patent No. 4185939



The appearance and specification of the product are subject to change without prior notice for improvement.

Non-contact nondestructive measurement of cured state

We can measure a sample, even which is covered with a glass or a film, like a film bonding with UV curing resin.

Measurement principle

The weak UV light built in is used as the excitation light, and the fluorescence emitted from the subject is detected.

Real-time measurement

Measuring in just 0.1 second, suitable for in-line inspection. Also measuring while performing irradiation is possible.

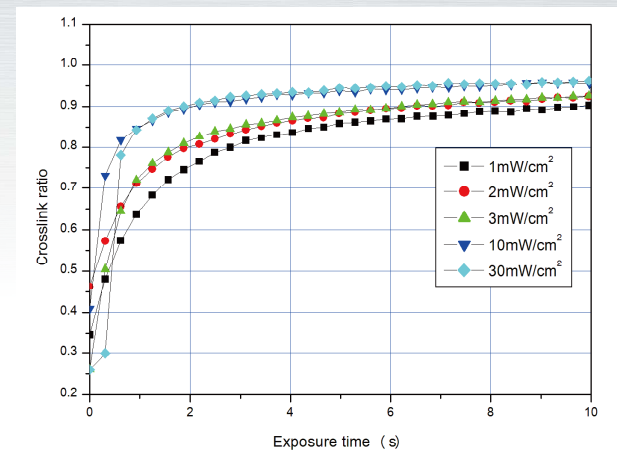
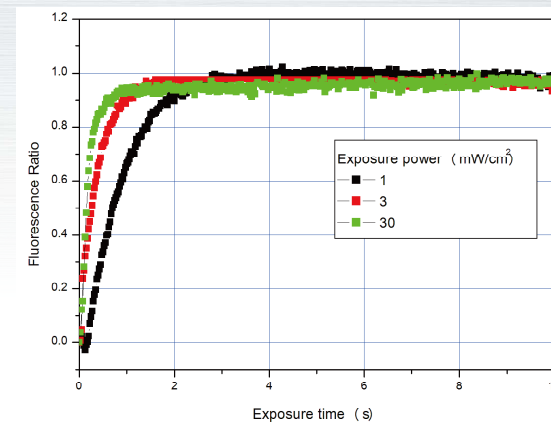
Ideal for in-line inspection (analog output)

● Production line for films ● Inspection of thickness of UV curing resins ● Bonding of optical parts ● Bonding of glasses ● Production line of syringes, etc.

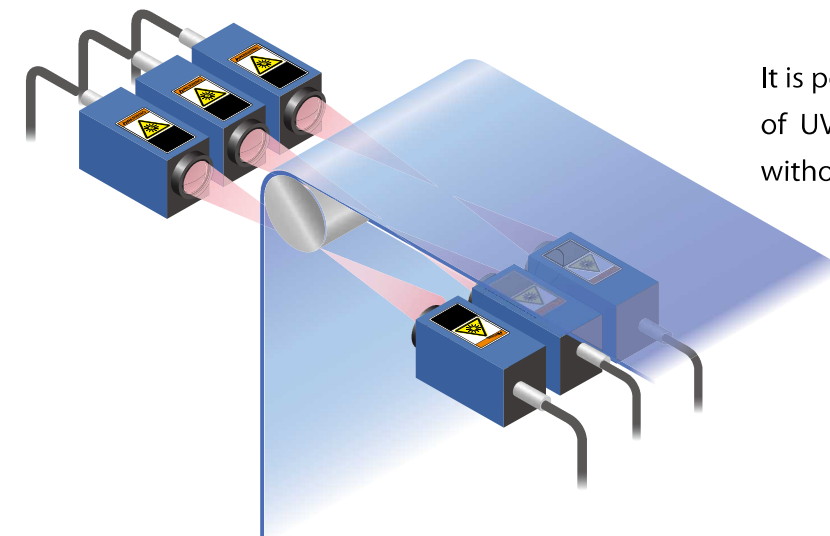
AcroEdge

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Comparative example with FT-IR measurement value



【Installation in line example: Production line for films】



It is possible to measure curing state of UV curing resins for laminated films without destruction.

Specification

Control unit

- 1) Power : AC 85~264 V
- 2) Display: 4 digit digital and 2 alarms (OverRange , Error)
- 3) Input: Sensivity setting Offset setting
- 4) Analog output -5~5 V

Sensor

- 1) Size: W72×D103×H126
- 2) Spot: 2mm in diameter
- 3) Sensor cable: 2 m Length