

Ultraviolet Light Amount Distribution Measurement Film

**UVSCALE Application Examples**

**No.7**

Field  
Semiconductors

**Measured objects**

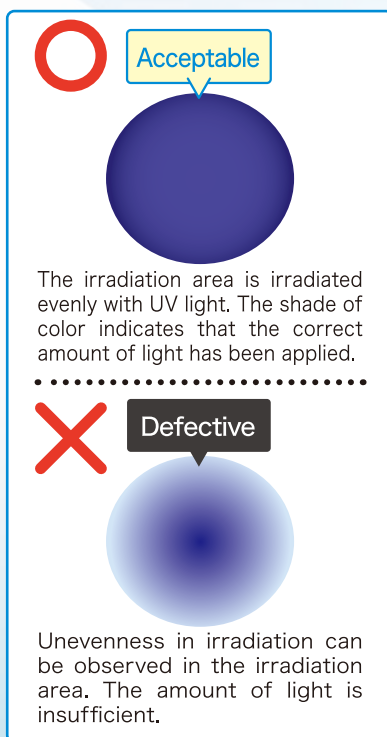
- UV light irradiation equipment used in the back grinding or etching process
- UV light irradiation equipment used in the dicing process

**Purpose**

To check the light amount and light distribution when UV light is applied using UV light irradiation equipment for semiconductors.

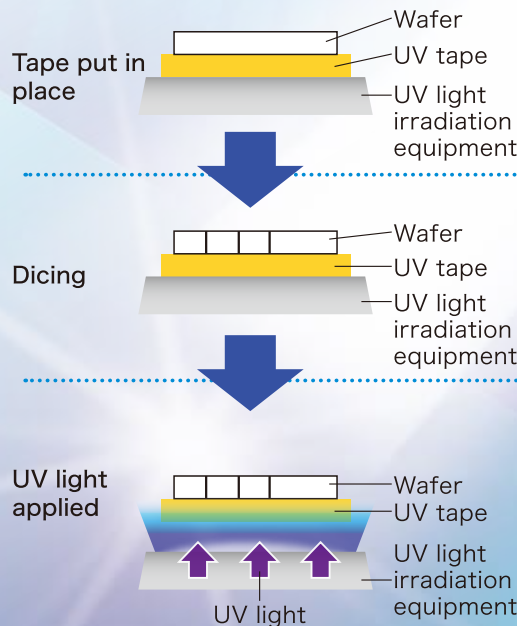
**Outline of use**

Cut the UVSCALE to the same size as the part to be measured, place in the irradiation area of the UV light irradiation equipment, and irradiate with UV light under normal conditions. Next, remove the UVSCALE and observe its coloring. UV light irradiation coverage and lamp degradation can easily be checked.

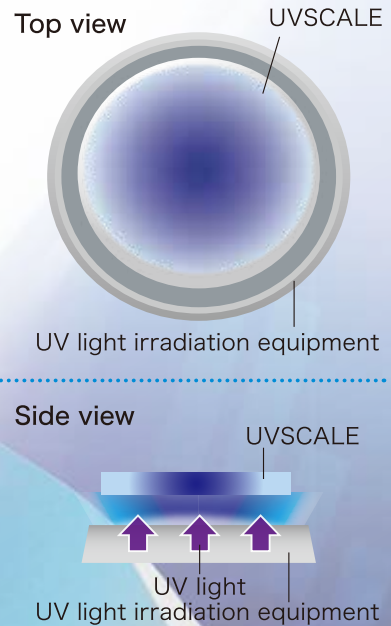


**[Use example]** Checking for unevenness in the irradiation of UV light irradiation equipment used in dicing tape for semiconductors

〈Standard dicing process〉



〈Irradiation checked with UVSCALE〉



**Benefits of UVSCALE**

- Determination of light distribution across the irradiation area, which previously required measurements at different points with an illuminometer or UV label, can now be made in a single test, allowing the time required for adjustment and judgment to be reduced.
- Since anyone can easily measure UV light amount, the accuracy of UV tape removal can be improved.

UVSCALE

Search

[http://www.fujifilm.com/products/industrial\\_products/uvscale/](http://www.fujifilm.com/products/industrial_products/uvscale/)

\* Please note that the specifications and performance stated in this catalog may change without prior notice as a result of improvements. The diagrams used are schematic, and differ from those for actual measurements.