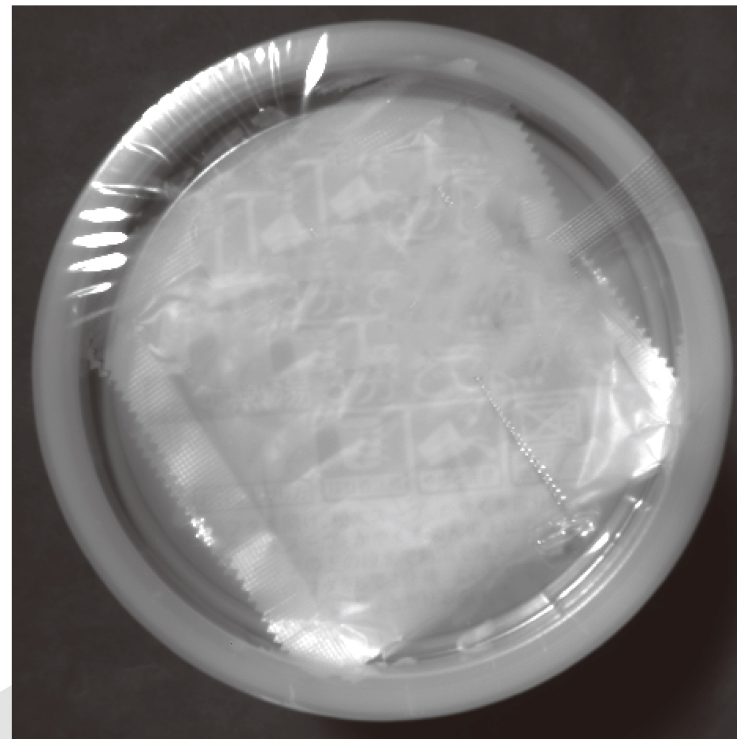# Cup noodle's seasoning package

**Check for seasoning package through plastic**

Imaging method: reflection
Barrier: plastic

VIS image

SWIR image

# Soup packages in plastic bag

**Detect the quantity of soup packages through plastic**

Imaging method: transmission
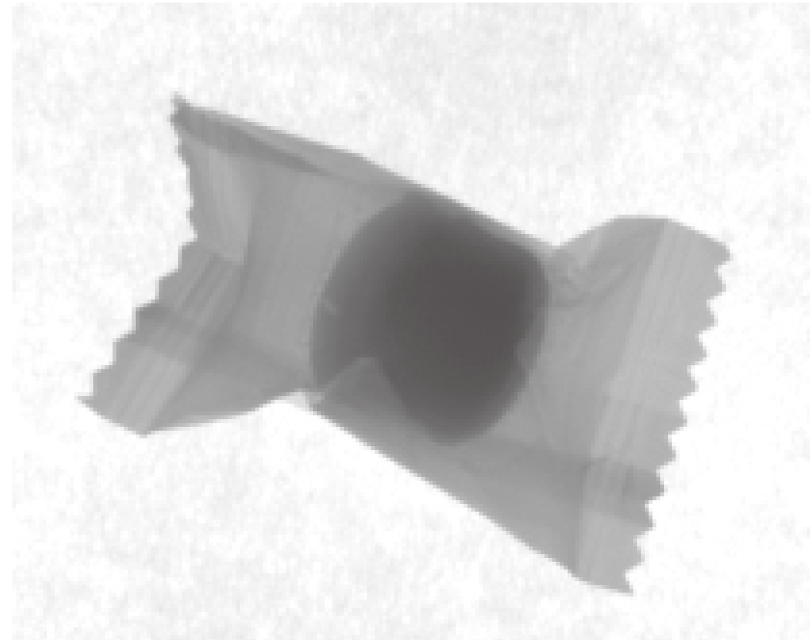Barrier: vinyl



VIS image



SWIR image

# Candy in plastic wrapper

**Inspect the candy inside wrappers**

Imaging method: transmission
Barrier: vinyl



VIS image



SWIR image

# Liquid fill level

## Detect the liquid level inside paper containers

Imaging method: transmission
Barrier: paper


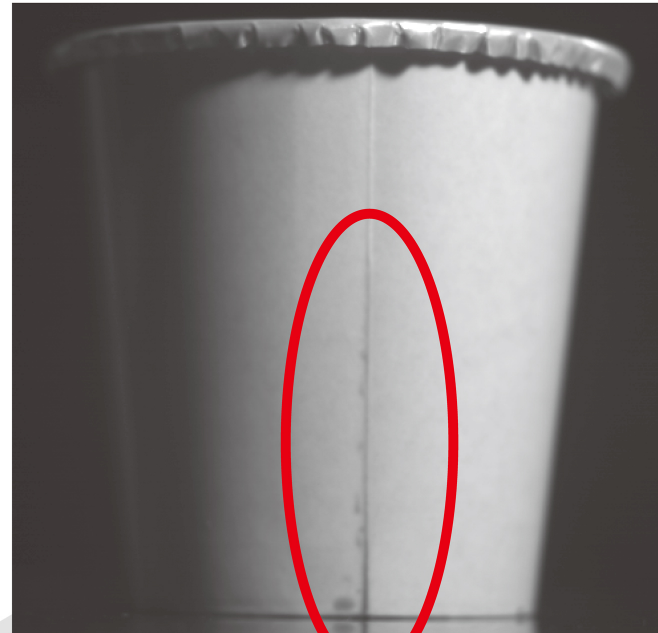
VIS image

Fill level



SWIR image

# Leaks in containers

**Identify leakage from container seams**

Imaging method: transmission
Barrier: paper
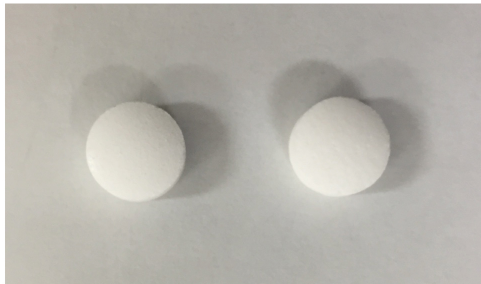
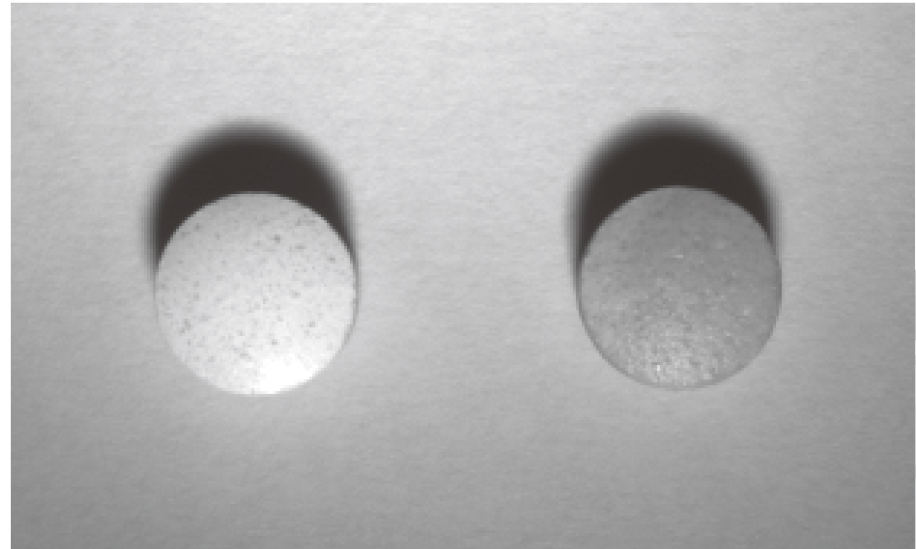

VIS image



SWIR image

# Water content in tablets

**Identify moisture content, which cannot be observed by human eyes**

Imaging method: reflection



VIS image



SWIR image (right: moist tablet)

# Agriculture quality inspection

**Locate a produce's damaged area**
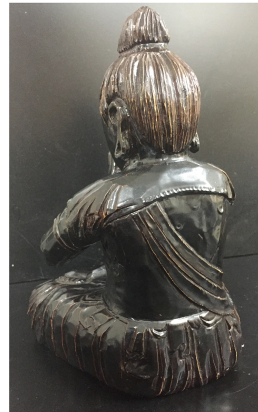
Imaging method: reflection

VIS image

Damage detected

SWIR image

# See beneath a coating (cultural artifacts)

**See text hidden under lacquer**

Imaging method: reflection
Barrier: lacquer



VIS image



SWIR image
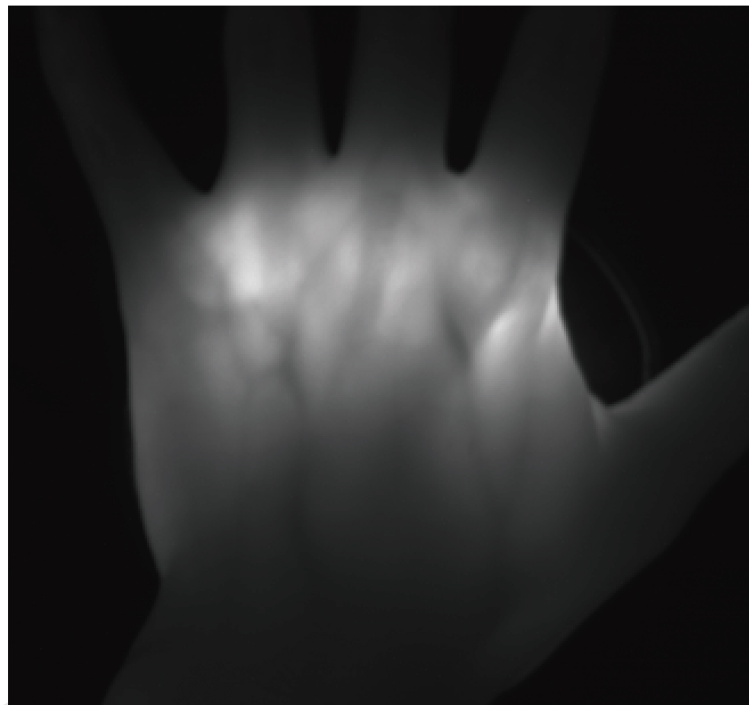
Text hidden under lacquer

# Blood vessels

**Identify the blood vessel distribution**
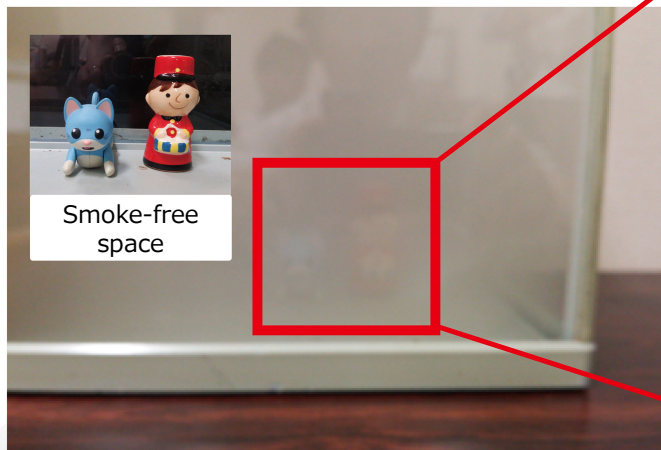
Imaging method: transmission



VIS image



SWIR image

# See objects through smoke

**Identify objects through smoke**
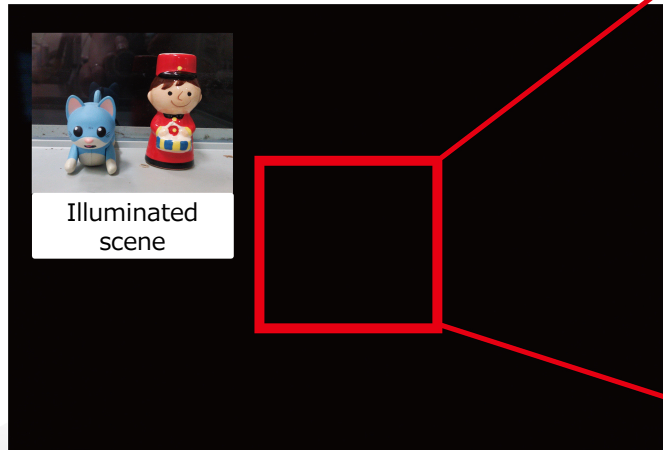
Imaging method: reflection



Smoke-free space

VIS image

SWIR image

# Night vision

**Identify objects in low-light conditions**

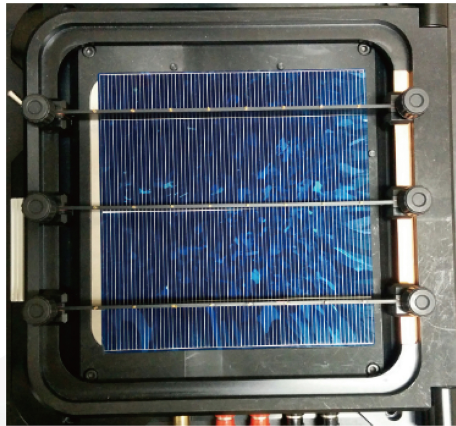Imaging method: reflection



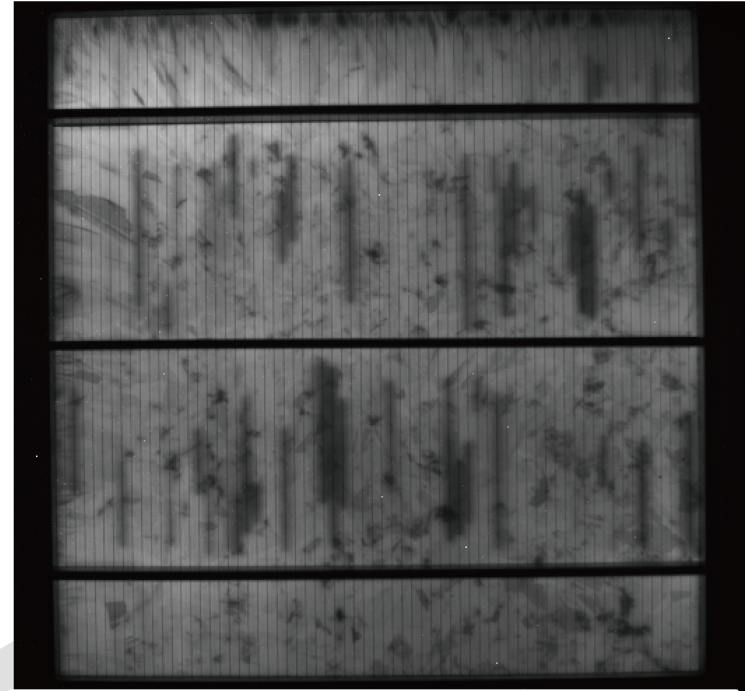Illuminated scene

VIS image

SWIR image

# Semiconductor inspection

**See defects on solar panels**

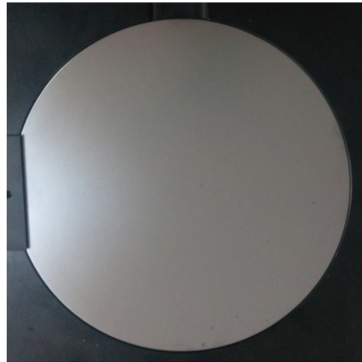**(crack, defective electrode, etc.)**



VIS image
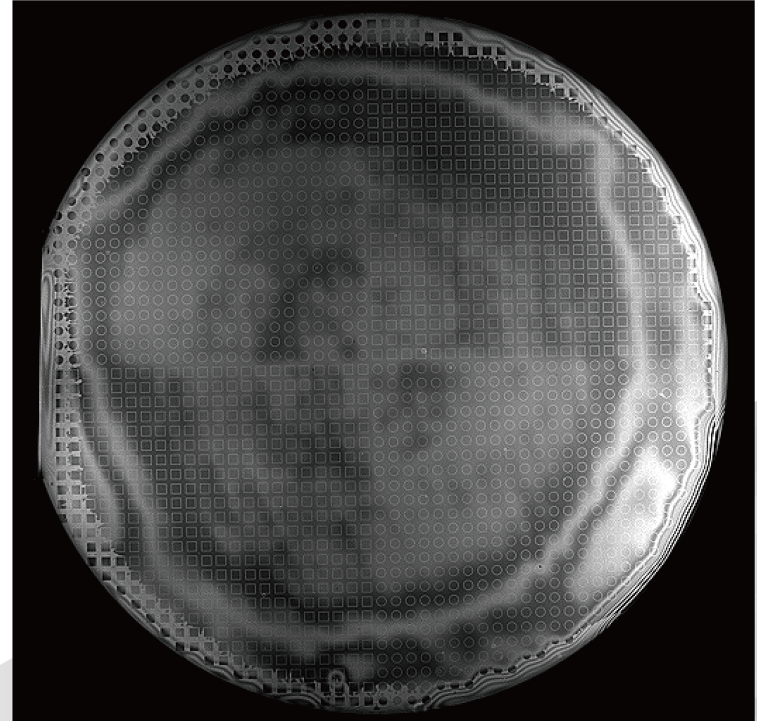


SWIR image (luminescent image)

# Wafer inspection

**See voids and patterns on laminated wafer**
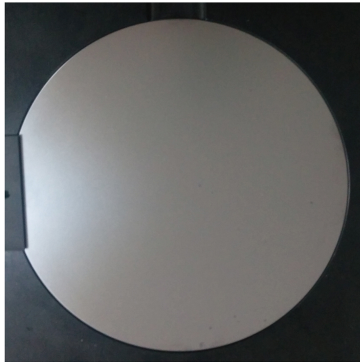
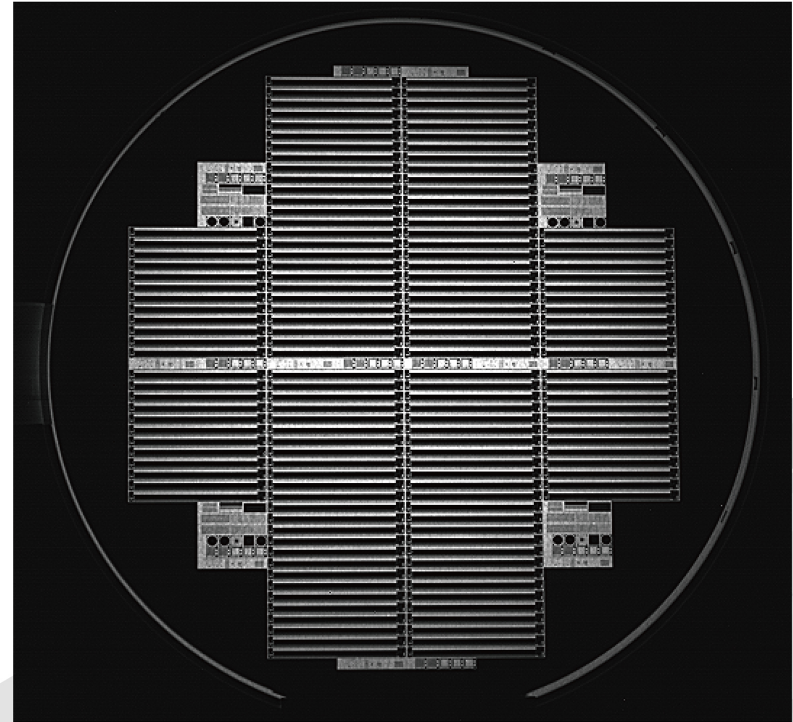Imaging method: transmission



VIS image



SWIR image

# Wafer inspection

**See the pattern on the backside**

Imaging method: transmission



VIS image



SWIR image