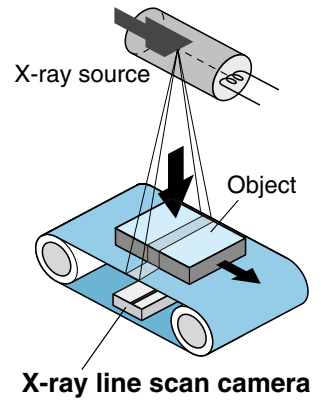


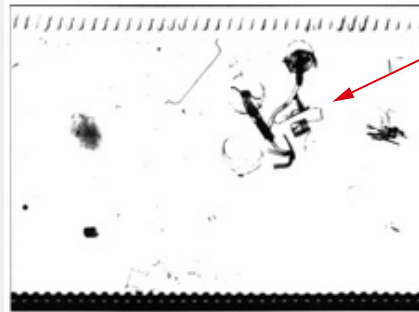
# Application Note : 6

**X-ray**  
line scan camera

**Recycling**



## Waste disposal



Bicycle

Makes checks over a wide inspection width such as for large metal objects and cables that may damage crushers.

## Sorting PET or PP

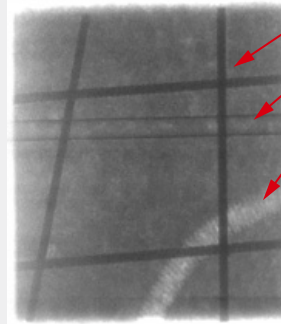


Pseudo color

Visualizes differences in transparent resin materials (PET and PP)

Sorting the materials by near-infrared light often fails because of foreign matter and contaminants attached to the object. However, utilizing X-rays allows stable sorting regardless of effects from contaminants or printing on film wrapping, etc.

## Internal inspection of concrete walls



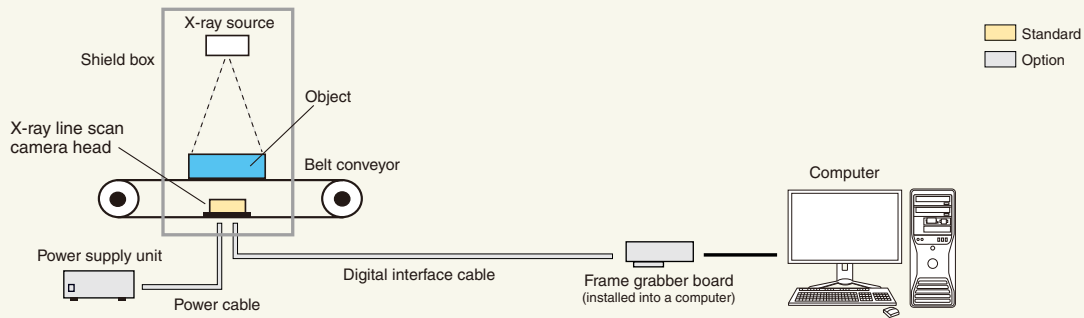
Iron bar

Vinyl chloride pipes for water

Flexible pipes for electric cables

Internal images of concrete walls can be captured with X-rays at comparatively low 160 kV. This reveals rebar breakage very well compared to ultrasonography, and also clearly identifies all differences between rebar and polyvinyl chloride (PVC) pipes or flexible pipes for electric cables.

## System configuration



### Note

- The X-ray line scan camera consists of only a sensor head. The image display equipment and the X-ray source should be ordered separately.
- The power supply unit, digital interface cable, computer, X-ray source are necessary. Please consult your local sales representative about connector formats.

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- Information furnished by HAMAMATSU is believed to be reliable. However, no responsibility is assumed for possible inaccuracies or omissions.

Specifications and external appearance are subject to change without notice.

- Please note the X-Ray images on this brochure are taken for test purpose, the images do not reflect actual qualities of the products on the market.

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