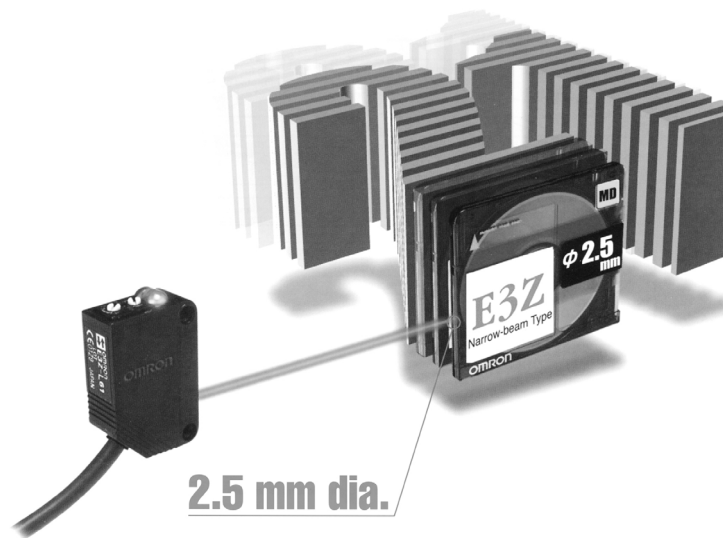## Narrow Beam model

Ideal for detecting small objects with a small spot:
● Tiny objects as little as 0.1 mm in diameter can be detected with its 2.5-mm dia. spot.
● The thin beam enables detection through gaps or small holes.
● The high-intensity spot of light enables visual alignment of sensing spot position.

2.5 mm dia.

Transparent PET bottles

Stable detection of recyclable thin-wall PET bottles.

Standard-size transparent object sensor
● Uses OMRON's unique optical system ("Inner View") that can detect various shapes of PET bottles and transparent objects.
● Detects a wide range of bottles regardless of size and facets

Fork Sensor, single and dual beam versions

Fork design eliminates the need for optical axis adjustment.
● Two-axis models also available.
● Ideal for limit of travel monitoring.
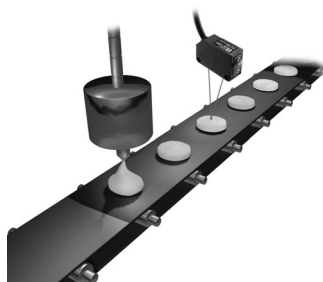● Condition monitoring.
● „Flag" identification.
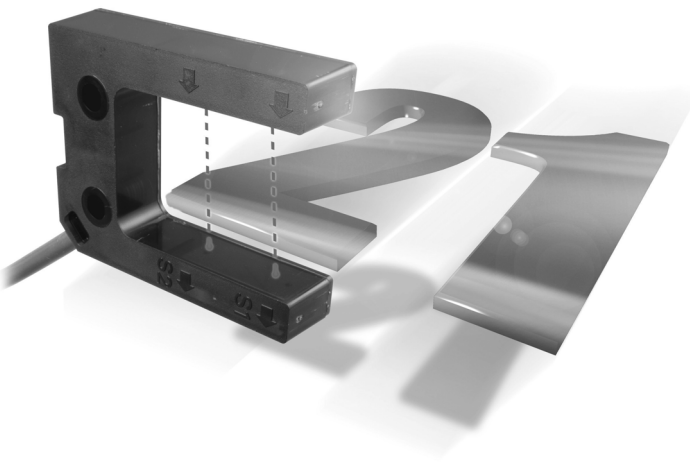
Applications

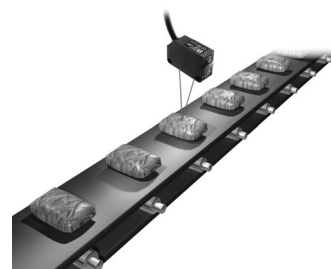| E3Z-LS background and foreground suppression models		
Detecting covers on cosmetic products	Detecting pastries on conveyor belts	Detecting packaged chewing gum or candy

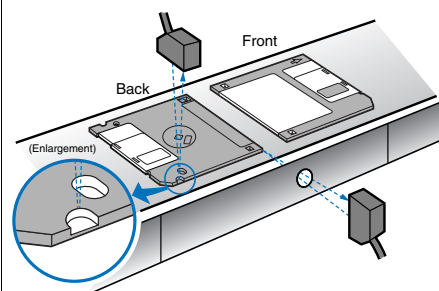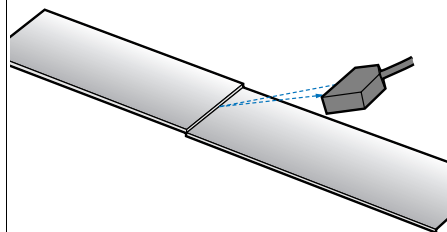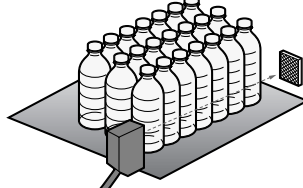| E3Z-L narrow beam models		
Checking for straws	Determining front/back or orientation of floppy disks	Detecting uneven joints
(Sensing at angle)	Front Back (Enlargement)	
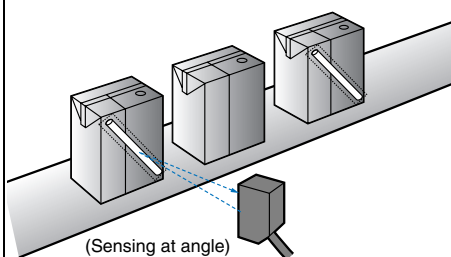
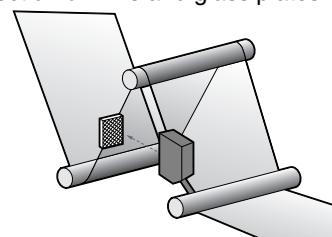| E3Z-B transparent object model		
Transparent PET Bottle-related Detection - One bottle	Transparent PET Bottle related Detection - Multiple bottles (Stocker)	Detection of films and glass plates
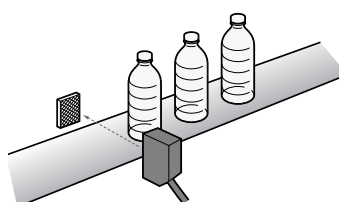
E3Z-G grooved type model
Crane and automated warehouse conveyor table passage inspection and positioning.

Grooved-Type
Photoelectric Sensor
E3Z-G