

Transportable X-ray Fluoroscope System

RBOX+801



X-ray Precision, Inc.

World's First

- Provides both external and internal fluoroscopic images
- Easily portable compact size gives significant gains in inspection efficiency



Technology to See the Invis

World's Smallest

Compact size

395 (H) × 375 (W) × 440 (D) mm

Desk-top size, can be placed anywhere

- Immediate checking possible beside production lines
- Self-developed ultra-compact X-ray camera (world's smallest)



Inspection beside the production line



Ultra-small X-ray camera (L: 80 mm)

Super easy operation

Anyone can use at the worksite at anytime

- A fluoroscopic image can be observed while moving a workpiece
- Simple operability for beginners - Field workers can operate easily
- A desired fluoroscopic image area can be set easily with the outer appearance monitor
- Smart ball lever allows easy switching between outer appearance and fluoroscopic image

World's First



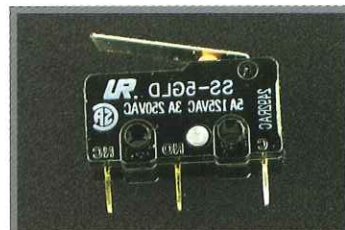
Smart ball lever

Function/performance

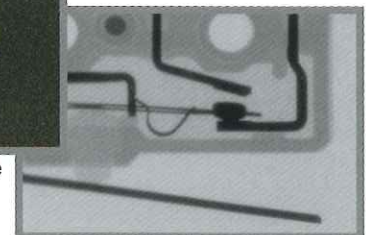
World's First

Dual function

- Outer appearance image and X-ray fluoroscopic image can be shot and stored.
- Smooth imaging with an inspection speed of up to 1/30 sec.
- No special construction required (The system can be installed anywhere with 100 VAC)



Outer appearance image



X-ray fluoroscopic image

Safe and secure

No special licensing required

- Secure completely closed structure (only requires notification to the appropriate labor standards supervision office.)
- Secure fail-safe structure

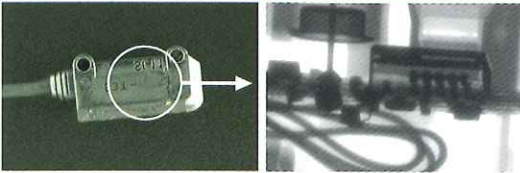


Door does not open unless the X-ray is turned OFF.

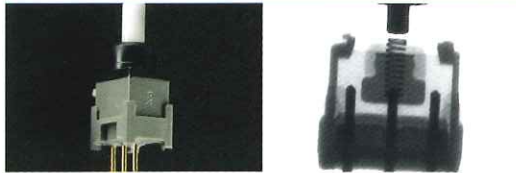
A wide selection of applications (Left: outer appearance image, right: X-ray fluoroscopic image)

Electric/electronic

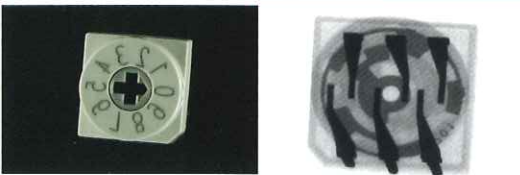
Photoelectric switch



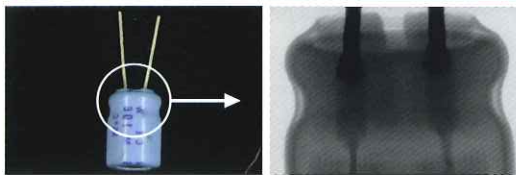
Toggle switch



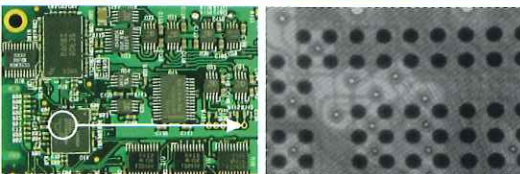
Rotary switch



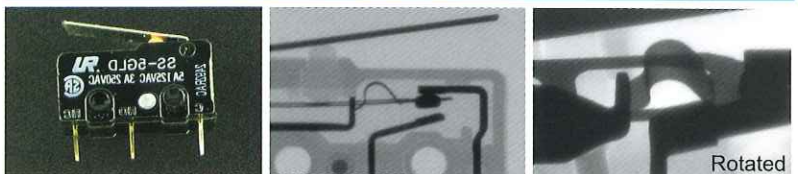
Electrolytic capacitor



BGA on printed circuit board

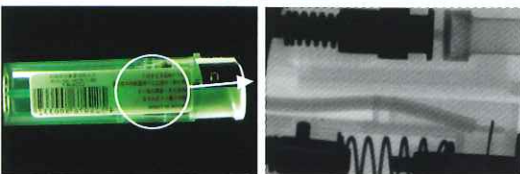


Microswitch



Molded products

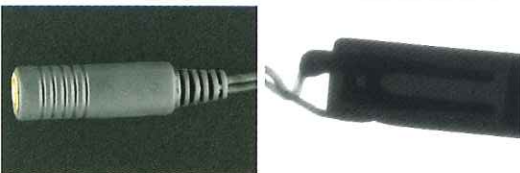
Lighter



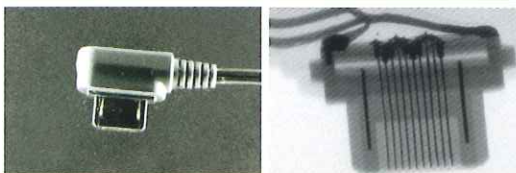
Earphone



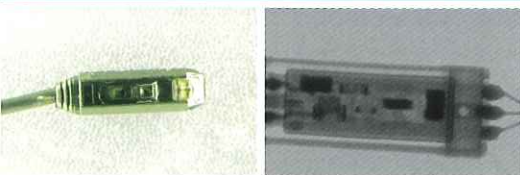
Earphone jack



Mobile phone connector

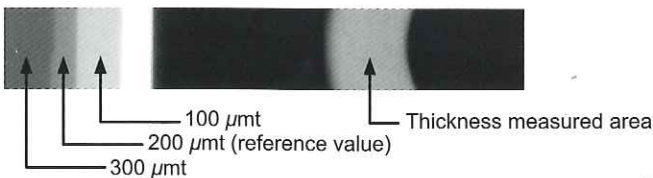


Photoelectric switch



Metals

An example of process thickness measurement by X-ray fluoroscopic system



Transportable X-ray Fluoroscope System **RBOX+801**

Dimensions		
		(Unit: mm)
Model		RBOX+801
Applications		Quality control of electronic/electrical parts, industrial parts. Foreign body inspection and analysis of foods, cosmetics, drugs, etc.
Specifications	X-ray tube focus size	50 μ m
	Tube voltage and tube current	65 kv 0.6 mA/50 μ m Be window
	Outer appearance imaging	A 9-megapixel digital camera
	Measurement area	85 mm wide \times 100 mm depth
	Sample base	150 \times 120 mm (Maximum weight: 500 g)
	Inclination angle	Upper and lower limit position: 0 to \pm 10°, Center position: 0 to \pm 30°
	Monitor magnification	200x max. (depending on the monitor)
	Camera	View size: 18 \times 12 mm
	Leakage X-ray	1.0 μ Sv/hr max
	Power supply	100 VAC, 200 VA (Overseas specs are provided separately)
	Dimensions	HWD: 395 \times 375 \times 440 mm (excluding protruding portion)
	Weight	40 kg max
Accessories		<ul style="list-style-type: none"> • Digital camera • Image integration unit (with sensitivity adjustment function)
Options		<ul style="list-style-type: none"> • Notebook PC • Video capture unit (NTSC/USB conversion unit) • Digital camera release • Recommended image editing software: Microsoft Photo Editor (for saving and editing)

* The contents of these specifications are subject to change without notice. These specifications are as of April 2008.

* Notify the labor standards supervision office based on the laws before use. (30 days in advance)

X-ray Precision, Inc.



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