

TSUKUBA TECHNOLOGY CO., LTD.

Products Description



Small
Laser Ultrasonic Visualizing Inspector
(LUVI-LC1/LC2)



Non-contact
Laser Ultrasonic Visualizing Inspector
(LUVI-LLS)



Compact X-ray
Inspection system
(TXR-C1R60P-01)



Wireless small X-ray source
(TXR-C1R130P-04W)



Small X-ray source
(TXR-C1R150P-08)



High-power X-ray source
(TXR-C1R200P-01)



Escalator Handrail
X-ray Inspection System
(TXR-C1R80PS-01)



Self-propelled X-ray
Electric Wire Inspector
(TXR-C3R120PS-02)



Portable X-ray DTS
(TXR-C3R150PS-01)



Microfocus X-ray Inspection System
(TXR-H1R50PS-01)

Tsukuba Technology Co., Ltd was founded in July 2005, located in the famous high-tech science city of Tsukuba, Japan. It's a high-tech company that was once incubated in the National Institute of Advanced Industrial Science and Technology (AIST).

The company has successfully developed world-class non-destructive testing technology such as the world's first Laser Ultrasonic Visualizing Inspector as well as the Ultra-Compact Cold Cathode X-ray Inspection equipment.

Its product line has been used in aerospace, nuclear power, petrochemical pipelines, and many difficult problems have been solved in a wide range of fields such as transmission lines, pressure vessels, railways, automobiles, and materials development.

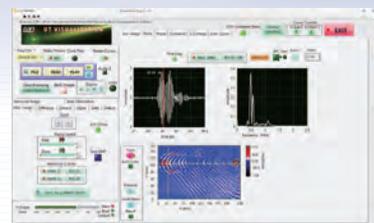
The company will continue to provide services to users with advanced products and feasible solutions.

From contact inspection to non-contact inspection From listening skills to viewing skills

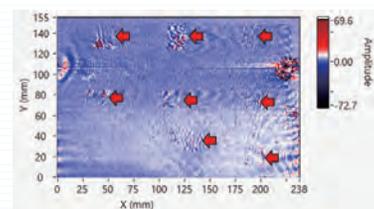
Laser Ultrasonic Visualizing Inspector

[Features]

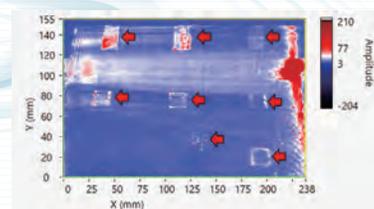
- Using laser, it is possible to inspect the object in high speed from the narrow range to wider range.
- Efficient (inspection area is broad and inspection speed is 20-50 times faster than existing ones)
- Possible to inspect curved surface, complex shapes and composite materials
- Compact and noncontact features enable inspection in narrow, high-temperature and dangerous places
- Low requirement for expertise due to the visualization (motion images) of inner defects
- It can check the defect portion of thick metal, ceramics, concrete etc.



Ultrasonic analysis screen



Ultrasonic propagation moving image



Maximum amplitude image

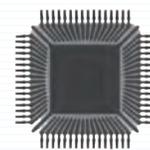
Compact X-ray Inspection System

[Features]

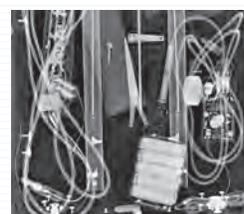
- Applicable to any scene due to small size and light body
- No need for preheating and cooling off
- Almost instant generation of X-ray
- No need for special safety treatment due to its small radiation dosage and the safety shield covering X-ray source
- Long-life and energy-saving X-ray tube (over 1 million shots)
- Simple and easy to operate



Wire end



Integrated Circuit



Safety inspection



Oxide skin accumulate