

What is Nondestructive Testing?

Nondestructive testing (NDT) is the process of inspecting, without destroying the serviceability of the part or system. When the inspection or test is completed the part can still be used.



In contrast to NDT, other tests are destructive.

Engineering

Major Technical Services



1. Scale checker

Diagnosis of buried piping, liquid level measurement, check tray



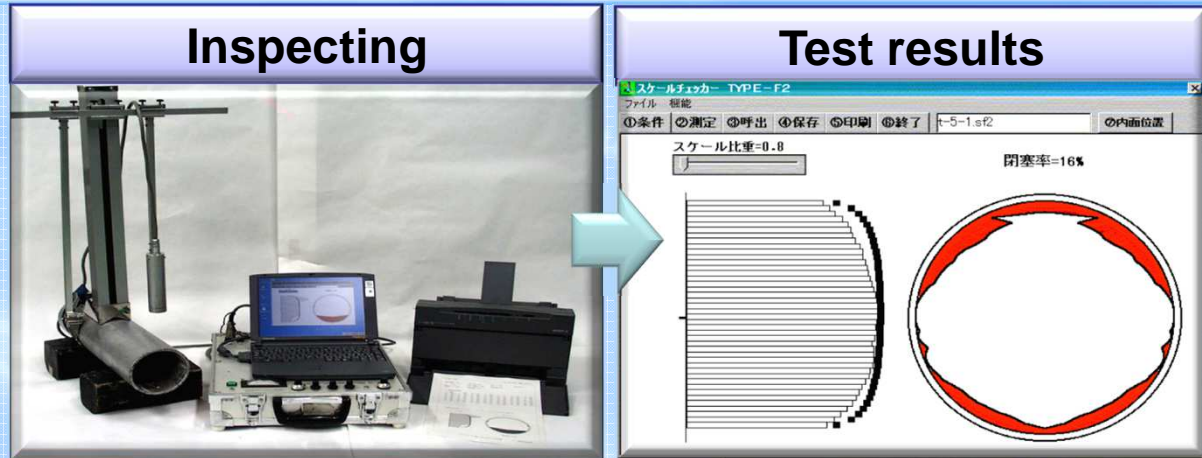
2. Phased Array



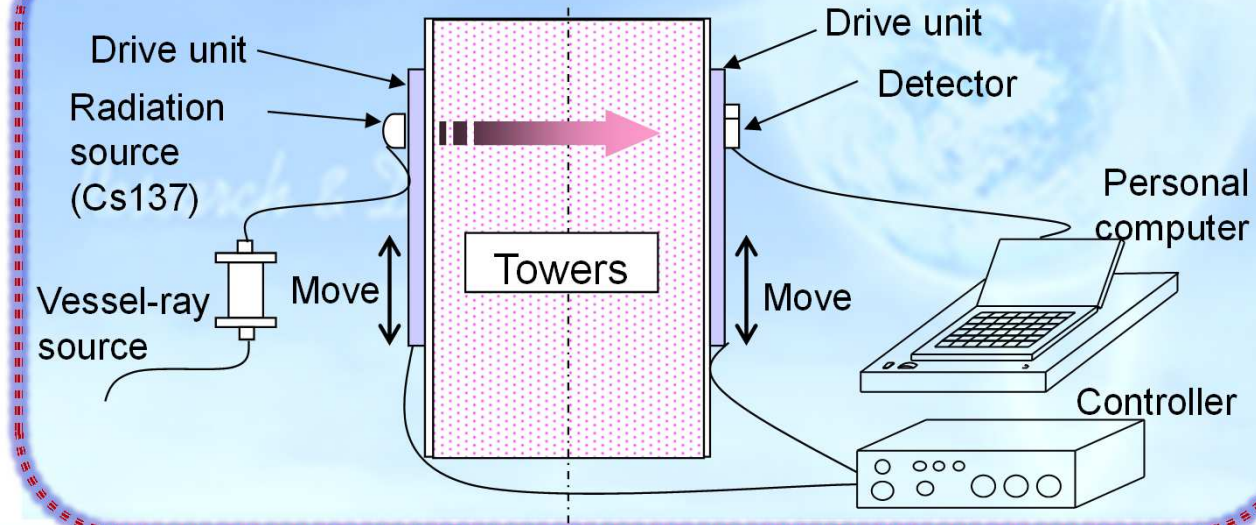
3. X-ray CT inspection

1. Scale Checker

- ▶ Measure the scale inside pipe from outside.
- ▶ Detect how the pipe is clogged by transmitting feeble radiation.



Liquid level measurement towers



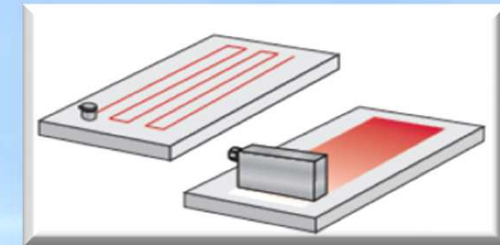
- ▶ Examine the liquid level by measuring the attenuation of the radiation.

2. Phased Array

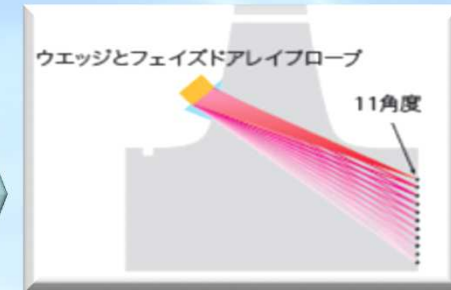
- ▶ Phased array is **advanced feature** of the conventional ultrasonic technology.
- ▶ Cross-sectional images provide the results of flaw detection with **high accuracy**.



Vertical Probe



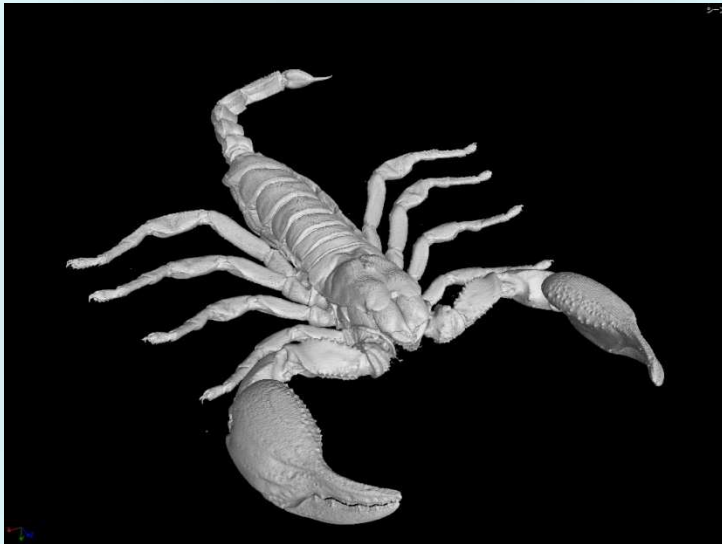
Oblique Angle Probe



3. X-Ray CT Inspection

- ▶ NIKON XT H320 a high-power 320kV micro-focus X-ray source and 225kV micro-focus X-ray source enable high quality rapid acquisition of CT data with superior resolution and precision.

Scorpion



Small engine

