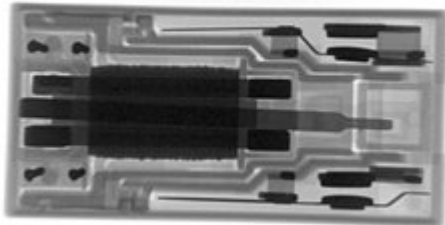


## X-ray

# Contact gap measurement, completeness and assembly control

Relays are utilized as signal, measurement or protective relays, among other purposes. All relays are electromechanical switches and consist of several switch contacts along with a coil through which current flows and activates the switches.



- Contact gap measurement
- Ferrite core inspection (damage, rupture)
- Completeness and assembly control

Relays

Various points in relays are tested in the course of production. For example, the contact gap is measured in order to safeguard dielectric strength and/or the required switching time. In addition, it must also be ensured that the ferrite core has not been damaged or even ruptured during assembly. A damaged ferrite core decreases the coil's magnetic field. This has a direct influence on the switching time and on the relay's useful lifespan. Besides such testing, a completeness and assembly control can be carried out via X-ray inspection.

Using YXLON X-ray systems you can inspect nearly every inspection item. The Feinfocus X-ray systems Y.Cheetah and Y.Cougar are ideally suited for the inspection of small items.

We offer you a wide range of X-ray techniques at our application centers. We design solutions that replace X-ray films, provide radioscopy and fully automatic defect recognition in X-ray images, as well as computed tomography services for scanning inspection items ranging from micro-CT to CT using a linear accelerator.

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