

Infrared Scanning



The most powerful electrical maintenance tool available.

You may have many questions about **INFRARED SCANNING**, such as:

What does it do?
How does it work?
What good is it?

We would like to briefly answer these questions.

What does it do?

We use the latest state-of-the-art infrared scanning equipment. Infrared Thermography was developed to detect early warning signs of electrical problems by locating heat energy (overheating) that the human eye is incapable of seeing. Excessive heat is an indication of an electrical problem. Infrared Thermography is used to find and correct electrical problems before they cause serious destruction of equipment or expensive outages.

Heat is an electrical system's enemy. With Infrared we can see the enemy before it does damage.

How does it work?

Using our Infrared Camera, we scan electrical systems such as outdoor substations, overhead power lines, indoor switchgear, transformers, panels, circuit breakers, motor control centers, and motors.

Many problems that result in faults on electrical systems have a development period during which abnormal heat is generated. Examples of these are overloaded conductors, poor electrical connections, defective contacts, defective motor bearings, and defective circuit breakers.

Our Infrared Camera allows us to view the colorful infrared images as we scan the equipment. This gives us the ability to inform our customers, on the spot, of the detection of problems, especially incipient failures.

What good is it?

Using the advanced computer technology available in thermal imaging and measurement, MIDWEST's highly trained Engineering Technicians can provide extremely effective and very economical electrical preventive and predictive maintenance service.

Infrared Scanning by a trained Technician is the most powerful electrical maintenance tool available. Infrared Scanning has saved our customers from more unscheduled electrical outages than any other tool or service. Infrared Scanning has saved our customers more money than any other electrical maintenance or testing service.