What is thermal imaging?

Thermal imaging technology has become one of the most valuable diagnostic tools for industrial applications. By detecting anomalies that are usually invisible to the naked eye, thermal imaging allows corrective action to be taken before costly system failures occur.

Thermal imaging cameras are a unique tool to determine when and where maintenance is needed, for electrical and mechanical installations tend to get hot before they fail. By discovering these hot-spots with a thermal imaging camera, preventive action can be taken. This can avoid costly production breakdowns or even worse, fire.

A thermal imaging camera is a reliable non contact instrument which is able to scan and visualize the temperature distribution of entire surfaces of machinery and electrical equipment quickly and accurately. Thermography programs have contributed to substantial cost savings for our customers around the world.

Why use thermal imaging?

Producing faster, better, more efficiently and at a lower cost. In order to reach these goals, industrial plants need to be running continuously: 24 hours a day, 365 days a year. No costly breakdowns, no waste of time.

So, when you are in charge of plant predictive maintenance you really have a lot of responsibility on your shoulders. If you could only see when components are about to fail, you could accurately decide the best time to take corrective action. Unfortunately the worst problems remain hidden until it is too late.

Thermal imaging cameras are the perfect tool for predicting failures because they make the invisible visible. On a thermal image problems seem to jump right out at you. To keep plants operational at all times many industries have combined their predictive maintenance programs with the most valuable diagnostic tools for industrial applications on the market: thermal imaging cameras.

Whether you’re monitoring high voltage equipment, low voltage cabinets, motors, pumps, high temperature equipment, looking for insulation losses... A thermal imaging camera is the one tool that really lets you SEE it all.
Analysis and reporting

FLIR Reporter allows us to accurately track the thermal performance of your equipment over time with easy-to-understand charts and graphs. This information will help you to better predict when equipment will need maintenance which allows you to plan ahead. Copies of this analysis can be emailed directly from site on the day of inspection and a detailed report can be compiled back at the office.

**Benefits**

- Thermal imaging surveys are non-invasive and non-destructive allowing the thermal imaging survey to be completed whilst plant and equipment is running, in production and on load.
- Thermal imaging surveys are real time and produce fast, accurate and immediate temperature measurement and fault detection.
- Increased reliability and efficiency of plant and equipment resulting in reduced breakdowns and stoppages and significantly reduced maintenance costs and production losses.
- Assists businesses to comply with The Electricity at Work Act by complementing the electrical periodic test and inspection and helping to prove the integrity and safety of electrical systems and equipment.
- Assists businesses to comply with insurance requirements and complements their existing risk avoidance measures.
- Thermal image surveys can be incorporated into existing predictive and preventative maintenance programs.
- Thermal image surveys can be performed at a convenient time and tailored to each client’s individual requirements.
- Increased energy efficiency.
- Increased capital equipment lifespan.
- Increased safety.
- Reduced risk of fire.
Southeast Conveyors and Engineering

299 Commercial Street West, Mount Gambier SA 5290
Phone > 08 8723 3333  Fax > 08 8723 3336

www.seconveyors.com.au