Our provision

A photographic record in your company's plant using an infrared heat image camera. Analysis of the photos and creation of a heat image report. Damaged components are traced effectively and can be quickly replaced. This assures that only those components are replaced that are actually damaged. A big hazard in most maintenance measures is the simple replacement of components in series on suspicion – a risk we cut out.
On request, we will also organise other measures (servicing, maintenance, repairs or cyclical controlling of the hot spots).

The costs

Hourly rate for our technician	€ 75,--
Device flat rate ½ day	€ 75,--
Device flat rate 1 day	€ 150,--

Heat evaluation and heat image reports are included; exclusive travel costs.

Have we awaken your interest?

If you are interested in more information, or implementing this technology, then give us a call!
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Contact

Klatt Fördertechnik GmbH

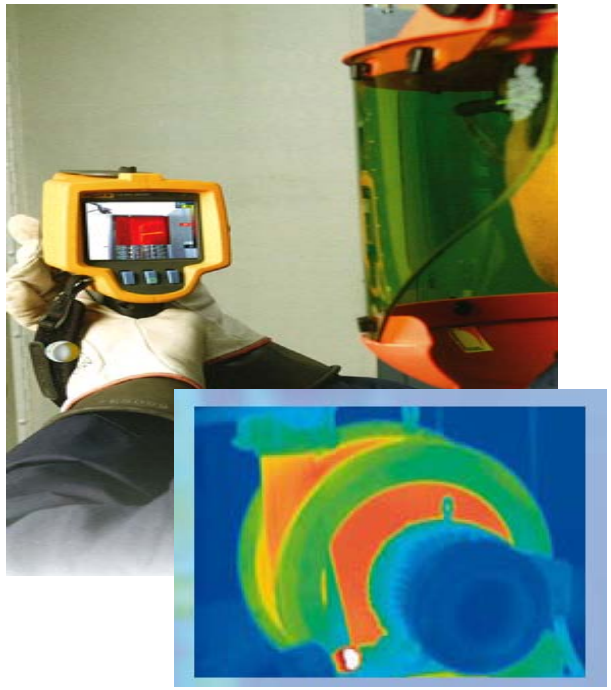
headquarters:
Köstendorferstrasse 7
A-5202 Neumarkt am Wallersee
Austria

subsidiary:
Durisolstrasse 1
A-4600 Wels
Austria

Phone +43 6216 20020 0
Telefax +43 6216 20020 4
mail office@klatt.at
www.klatt.at

KLATT
FÖRDERTECHNIK GMBH

InfrareD Technology



Complete heat image (conventional representation) taken up in the infrared area

Heat imaging

The fast solution for INSPECTIONS, TROUBLESHOOTING and MAINTENANCE.

Inspection & Troubleshooting

Infrared heat image cameras produce images where different temperatures can be represented on the basis of different colours. By making use of these images the surface temperatures of all the components of a conveyor system are checked and any points that are over-heating (hot spots) are clearly identified. The presence of hot spots or rising temperatures frequently point to an emerging problem or the threat of a complete system failure.

Using this technology we can quickly determine whether and where problems exist on the transport systems our customers operate. And we can do this long before complex thermal and electrical measurements need to be carried out – or worse – the entire system grinds to a halt. There is no need for a plant shut down during this inspection. The status data are recorded with the plant in full operation.

Analysis

Data analysis is performed using Smart-View software. The collected data can be evaluated in the defined time period and all changes that occur can be observed.

SmartView™-Software

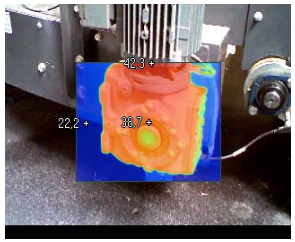
Application areas

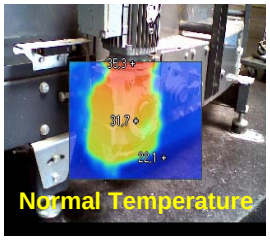
- motors
- bearings
- driving drums
- rollers
- guides
- control cabinets and energy distribution units

Heat image report (example)

curved belt drive Pos. 3.16

conveyor system EG 19.01.2009 13:08:26





Labelling	Temperature	Emissions level	Back-ground
Centre points	38,7 °C	0,95	22,0°C
Current conducting	42,3 °C	0,95	22,0°C
Cold	22,2 °C	0,95	22,0°C

Description: The temperature measured for this drive (photo left) is significantly higher than that of the other drive temperatures in this conveyor line. These drives should have temperatures of between 30°C and 33°C in normal operation (photo right). As the drive for the curved conveyor Pos. 3.16 is always only briefly in operation, the measured temperature of 40°C is above average. Although the manufacturer's data defines the maximum temperatures with 60°C, but this value is for continuous operation at highest output rates. The drive should be put under observation (bearing noises, leaky seal ring...) and the oil should be changed at the next service.