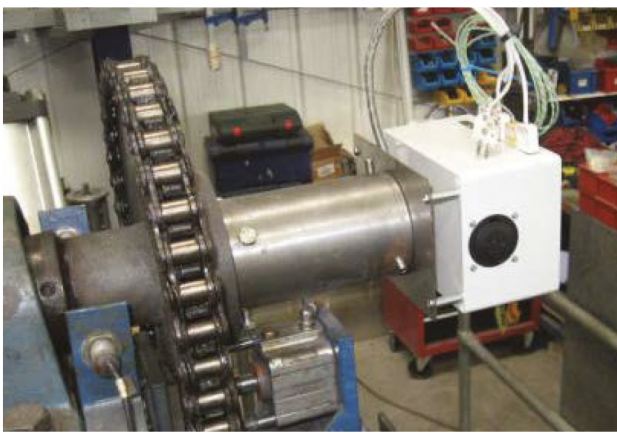


Temperature monitoring for Rock 'n Roll machines

The best low cost investment for your machine.
Turning basic into advanced.



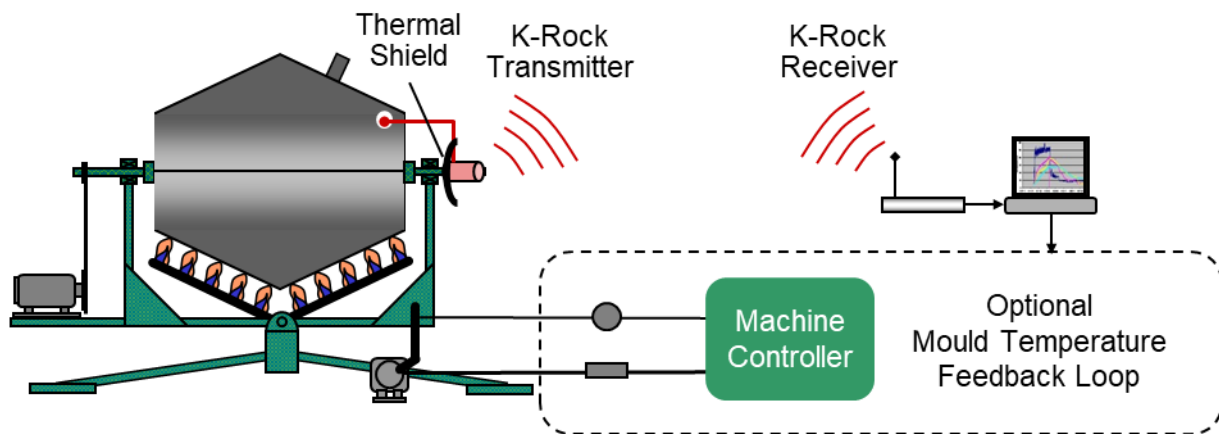
- Increase productivity
- Optimise heating & cooling cycles
- Eliminate scrap caused by under cure or over cure
- Check mould temperatures in real time
- Troubleshoot mould problems

What is K-Rock?

K-Rock is a radio based system that measures mould temperatures, 24/7, on Rock n' Roll machines. It is fixed to the end of the rolling shaft away from the heat of the oven. It does not require coolant packs to protect and keep the electronics within operational temperatures. K-Rock measures the temperatures of up to 4 points on a mould.

How is it installed?

K-Rock is self installed. The K-Rock is attached to the end of the shaft as shown in the diagram below. Thermocouple wire runs from the mould through the centre of the shaft and exits at the end of the shaft where the radios are positioned away from the heat. Radio telemetry is used to avoid wiring in and around the rotomoulding machine and to keep on-site installation time to a minimum. The K-Rock transmitter is powered by batteries, avoiding the need for a permanently powered slipping.



Can K-Rock control our machine?

K-Rock in its basic form will output temperatures on a PC. These temperatures can also be transmitted in serial ASCII format. Moulders can then modify their machines to use the K-Rock temperatures for control. Some rotomoulding machinery manufacturers have this temperature integration and control software included. First step control can be achieved using our K-Face (Basic) product which will provide simple alarms to alert the operator. Alternatively 493K can supply their K-Face (advanced) controller, which will provide up to 24 relay outputs. These alarm when the user-set temperatures are reached (set in Machine Control section within K-Kord).

K-Rock Specifications

Enclosure Transmitter	Dimensions: 160 x 120mm x 90mm
Enclosure Material	ABS plastic contained with steel outer protection
Rating	IP65 (protection against dust ingress and water jets)
Transmitter Weight	1kg

Measurement Range	0C (32°F) to +350C (+662°F)
Accuracy	+/- 4C_deg (7.2F_deg)
Resolution	0.5C_deg (0.9F_deg)
Operating Temperature Range	0C (32°F) to +65C (+149°F)
No. of Channels	4 temperature channels