KRock
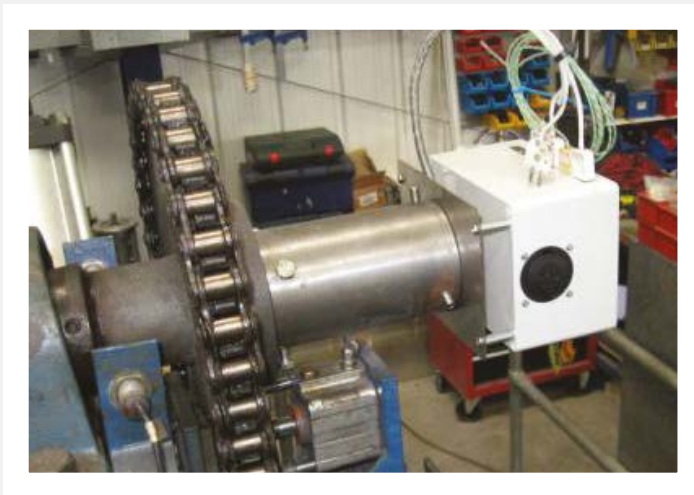
Temperature Moulding for Rock 'n Roll machines
The best low cost investment for your machine.

- Increase productivity

- Optimise heating & cooling cycles

- Eliminate scrap caused by under cure or over cure

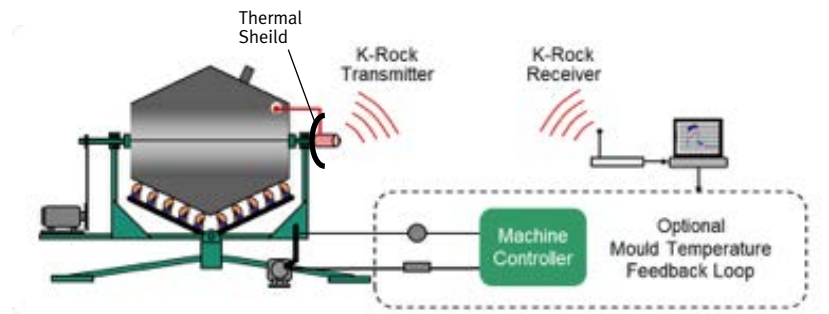- Check mould temperatures in real time

- Troubleshoot mould problems

493K
Taking Control of Rotational Moulding

Global experts
in Rotational Moulding

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 slipring.

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 - SPECIFICATION

Enclosure Transmitter	Dimensions: 160 x 120mm x 90mm		**Measurement Range**	0C (32°F) to +350C (+662°F)
Enclosure Material	ABS plastic contained with steel outer protection		**Accuracy**	+/- 4C_deg (7.2F_deg)
Rating	IP65 (protection against dust ingress and water jets)		**Resolution**	0.5C_deg (0.9F_deg)
TraNnsmitter Weight	1kg		**Operating Temperature Range**	0C (32°F) to +65C (+149°F)
			No. of Channels	4 temperature channels