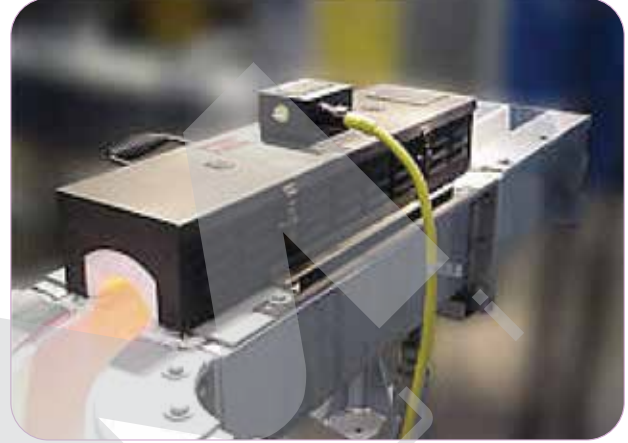


## Launder Pre-Heaters

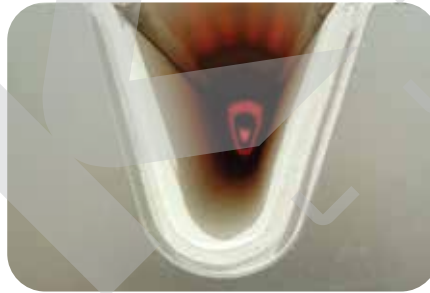
It is well known that covered launders and heated launder covers provide considerable energy savings and are safe to work around. RMG's heated cover system provides the cast house with a means to accurately pre-heat the launder system to virtually steady-state condition. This provides considerable energy savings and to reach to the controlled metal flows.



In order to assure optimum starting conditions and to reduce temperature drop from the furnace to the casting center, it is necessary to use the right heating systems or equipment.

In this design, the launder heater uses a premium wound element embedded in a ceramic fiber Pyrolite® module retained in a steel shell and served to the customer as ready to use.

Since the Pyrolite® is extremely buoyant in molten aluminium, eliminating the chance of inclusions in the molten metal.



| Properties                             | Features  |
|--|---|
| Heating elements embedded in Pyrolite® | Optimum energy release, rapid heat and cool.    |
| Low thermal mass                       | Temperature uniformity, increased product life. |
| Removable cover                        | Easy replacement.                               |
| Junction box on cover                  | Easy installation.                              |
| Type "K" thermocouple output           | Temperature control.                            |
| Woven ceramic gasket                   | Minimized heat loss.                            |

Covered launders provide significant energy savings and are safer to work around. RMG's covers are also hinged for easy access, repairment and transportation.

The covers are designed to heat the surface of the refractory to the target metal temperature to ensure optimum starting conditions. When supplied with the required power input, they will preheat the refractory to the target temperature within one hour.