

MAGNA

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Ductile Iron Components Made Easy,

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Sub : Establishment of Radioactivity measurement procedure.

Magna is happy to announce the establishment of radioactivity detection and measurement procedures.

With the increased global awareness on radioactivity and stringent norms imposed by international enforcement agencies on allowable natural radiation of the materials shipped, it becomes necessary to monitor the radioactivity of products.

Though Magna's products of Ductile and Gray Iron castings which are less susceptible to radioactive materials unlike some alloy steels, Magna decided to proactively put a system in place to ensure that its products are meeting the international radioactivity norms.

As a part of this process Magna has installed Radiation Pager, a self contained gamma-ray radiation detector. The radiation pager is hundreds of times more sensitive than commercially available Geiger-Muller (GM) tube type detectors in this size range.



Radiation Pager

When X-rays or Gamma rays are detected at levels significantly above the natural background or thresholds levels, the unit quickly alerts the operator by flashing a high intensity light and either sounding an audio alarm or triggering a vibrator, which can measure over 3800 micro R / Hr.

With this process Magna will be ensure radioactivity of its inward raw materials below 30 micro R/Hr against the norms of 180 micro R/hr, protecting its Customer and itself from potential issues with international customs agencies for radioactivity.