

Hot cells

Keeping the operator in mind



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Hot cell for Ir-192 source disposal

This hot cell was developed for the disposal of decayed Ir-192 sources, which have been used in Brachytherapy. The sources are welded at the tip of a stainless steel cable, and are transported in a lead transport container. Inside the hot cell, the container can be opened and the cables can be taken out one by one. The sources are then separated from the cables and stored in a separate tungsten container underneath the cell. The cables can be decontaminated and treated as scrap metal. The decayed sources are stored in long term storage facilities.



Formulation carousel for I-123

Part of a production line for I-123, which is used in the medical industry for diagnostic purposes. Aim of the design is to be able to formulate a manifold of compositions of I-123 within one production cell.

Much effort was spent on optimizing the production process, making it more intuitive and efficient for the operator.

EWAC Industrial

Dulleweg 18
1721 CT Langedijk
The Netherlands

T: +31 226 313 457
industrial@ewac.nl
www.ewacindustrial.nl

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