



# 24 Hrs

## DaRT Rapid Turnaround Service

**for Gamma and Electron Beam**

There will always be occasions when one of your consignments suddenly becomes more urgent, and a fast turnaround needs to be guaranteed.

The DaRT service is a guaranteed 24 hr turnaround service designed to facilitate rapid Gamma sterilisation and speedy release of processed product, without compromising stringent quality procedures.

Available at short notice, the service is designed to cater for volumes up to one pallet load (approx 90ft<sup>3</sup> or 2.6m<sup>3</sup>).

- **24 hr guaranteed turnaround**
- **Expert advisors & technical support on call**
- **Processing volume from 1 carton to 1 pallet**
- **Door to door courier option**
- **Full performance qualification validation option**
- **Comprehensive service and support**
- **Based at our Swindon and Daventry sites**



### Potential applications include:

- Custom Manufacture
- New Product Launches
- Urgent Customer Requests
- Samples
- Inventory Emergencies

### How to use the DaRT Service

1. Call our freephone number 08000 186 196 to confirm service availability for your product.
2. Sign and return the DaRT Service Contract which will be faxed or emailed to you. This will confirm the product details, service level and pricing for the service.
3. Send us your consignment.
4. Notice of the completion of processing will be emailed/phoned through to you within 24 hours of arrival of the consignment in Swindon or Daventry.
5. Collect your consignment (or we can arrange delivery).

### Process Facts and Figures for the DaRT Service

The DaRT service has certain restrictions based on maximum external dimensions for carton/product sizes and weight.

**Gamma** - Single carton limits for Gamma processing are 600mm width x 440mm depth x 890mm height, with a maximum weight of 25kg.

**Electron Beam\*** - Single carton limits for Electron Beam processing are 610mm height x 800mm depth x 1200mm length, with a maximum weight of 18kg.

\* Due to the complex dose profiles for electron beam some products may not be suitable for this service.

### Quality Assured Processing

Our Quality procedures require that any delivery of a product new to Isotron be subjected to a validation exercise to confirm dose distribution. The resulting dose mapping report can be submitted to the customer if required.

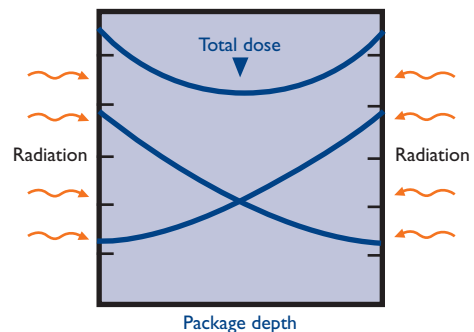
During processing all cartons will be labelled with a batch number and process colour indicator. Each consignment will be released with a Certificate of Irradiation (COI) detailing: the products processed via a unique Isotron product code, Isotron batch number, the site of processing and data relating to the dose applied.

Isotron monitors absorbed dose by using dosimeters which change colour in relation to absorbed dose. Dosimeters are included in the material to be irradiated before processing and recovered after irradiation. Changes in measured optical density of the dosimeter can be related directly to the dose administered to the product.

Isotron will always agree a minimum dose specification with the customer. However, as a result of the characteristics of the gamma and electron beam irradiation procedures, proportions of the material processed will receive an absorbed dose greater than the minimum.

The maximum to minimum dose spread will be established via dose mapping procedures during processing and this maximum and minimum specification will be confirmed to the customer. Specific dose spread requirements should be discussed with DaRT Service staff prior to processing.

Fig. 1 Illustration of the effect of package depth on absorbed dose



### Call freephone 08000 186 196

Customers from outside the UK should use +44 1793 60 10 50 to gain access to the DaRT service.

#### Processing centres

Isotron Limited, **Swindon Site**  
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Wiltshire SN2 8XS

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