

A concrete example of industrial application: Industrial and Research Irradiator used at STERIS

H. Michel [1], P. Reppert [2], S. Alloul [3]

[1] [2] STERIS Däniken, Hogenweidstrasse 6, 4658 Däniken, Switzerland

[3] STERIS Marcoule, RD 138, lieu-dit Combe Bertrand, 30200 Chusclan, France
herve_michel@steris.com ; pierre_reppert@steris.com ; sofiane_alloul@steris.com

STERIS is a leading global provider of products and services that support patient care with an emphasis on infection prevention.

One of its division, STERIS Applied Sterilization Technologies, provides contract sterilization, laboratory testing, and product and packaging testing services to medical device and pharmaceutical manufacturers.

This session aims to present the Gamma, X-ray and Electron beam irradiation technologies offered at STERIS AST, with their similarities and difference.

Also, a presentation of the Radiation Technical Center (RTC) as well as their application for our Customers will be made. RTC are specific irradiation center, adapted for precision dosing, flexible dose rate and research applications.

They are used for qualification and definition of the minimum and maximum dose acceptable by a product.

For companies specialized in nuclear power or in fields involved in ionization (e.g. particle accelerator, space), it is an excellent way to test the performance of materials or equipment (e.g. camera, sensor) depending on the duration of irradiation.