



GAMMA/E-BEAM RADIATION TECHNOLOGY CENTRE - RADEBERG, GERMANY

The Radiation Technology Centre (RTC) in Radeberg, Germany is a specialized testing facility supporting Customers using gamma and electron beam sterilization. In addition, our RTC Radiation TechTeam® supports our RTC facilities and are committed to being a vital part of your irradiation process. They assist in establishing sterilization dose values, and provide high precision irradiation dose delivery for validation, dose audit and research purposes.

Radiation Technology Centre Capabilities

- Gamma, electron beam and X-ray irradiation dose delivery within ISO validation and dose audit requirements
- Ability to handle specialty projects, from small-volume processing to specialty dose mapping
- Processing of samples for materials studies to determine functionality and compatibility of selected components
- High-precision dose delivery to perform dose response studies or accommodate sensitive products that otherwise could easily be damaged by ionizing radiation
- Replication of product placement and delivered dose, allowing for reproducible processing cycles through a research project or highly controlled experiment
- Performance qualification, processing, and monitoring by one of our highly trained radiation technicians, providing the ultimate flexibility and oversight required for your unique validation or research needs
- Seamless transfer of validation and dose audit work into our larger commercial processing locations throughout Europe
- Temperature-controlled processing, for applications when sterilization processing time needs to be minimized
- Product validation/assessment services
 - Dose establishment
 - Dose verification
 - Product feasibility assessment (feasibility to radiation processing)

Radiation Technology Centre Specializations

- Terminal processing to GMP requirements for gamma and E-beam
- Large sample testing (>1m & >500kg) for gamma
- Low dose processing (<10 kGy) for gamma and E-beam



ELECTRON BEAM

E-beam sterilization exposes products to high-energy electrons.



GAMMA IRRADIATION

Gamma irradiation exposes products to a Cobalt 60 radiation field.



X-RAY

X-ray irradiation uses ionizing energy from high-powered electron beam accelerators.

FOR MORE INFORMATION

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