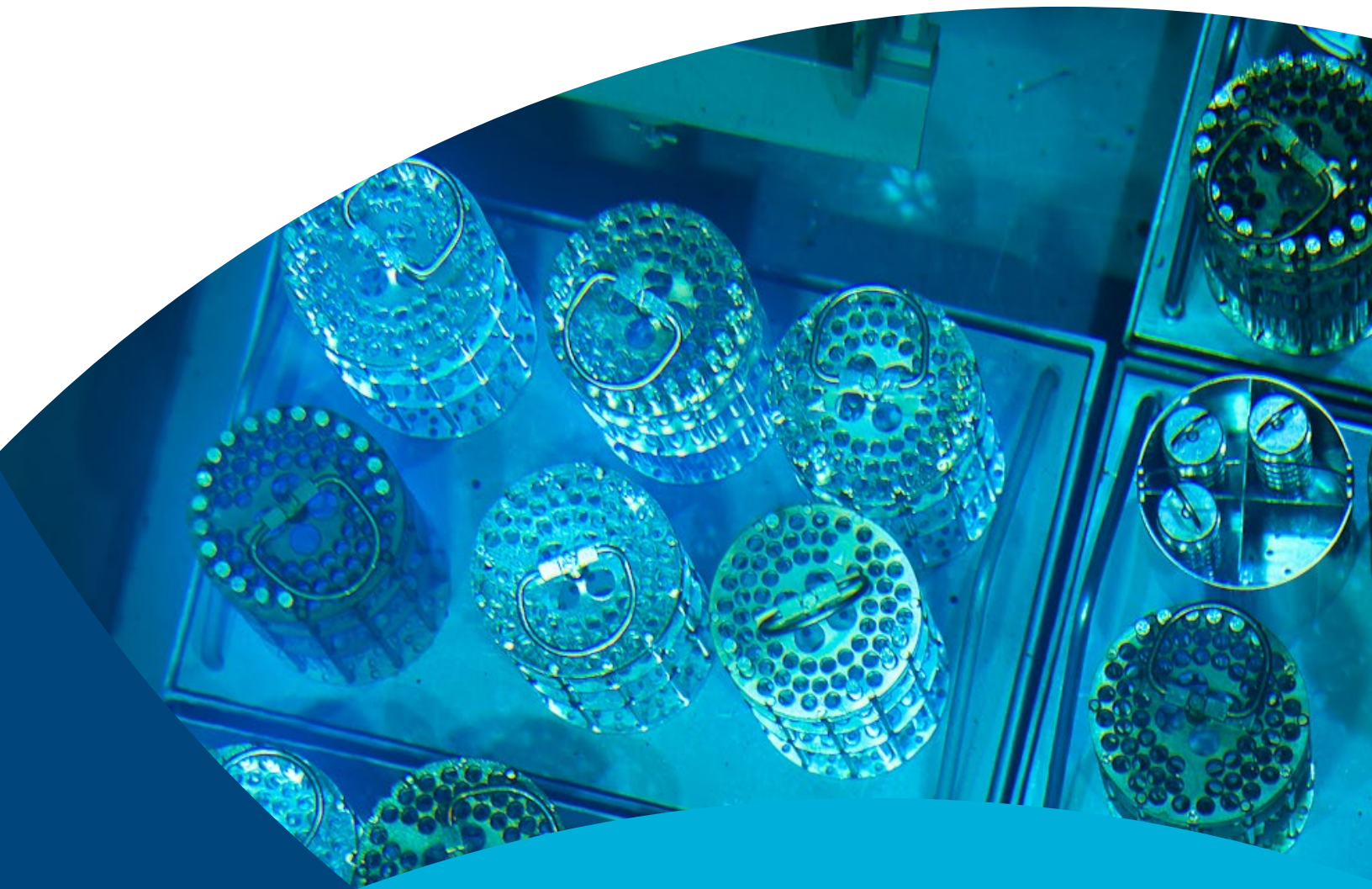




Nordion®

A Sotera Health company

GammaBeam™-127



Gamma Processing Solutions
from the Leader

nordion.com



The GammaBeam™-127 is a cost-effective solution for low-volume gamma processing of products with a wide variety of densities and dose requirements. It is ideal for research and testing environments and suitable for a broad range of applications.

Gamma Processing Solutions from the Leader

Nordion combines world-class capabilities in electro-mechanical design, controls, radiation physics, dosimetry and regulatory affairs with a global reach in sales, installation and service to lead the industry in delivering end-to-end solutions for our customers. The ultimate measure of our success is your success, which begins with an intimate understanding of your business, and ends in total customer satisfaction.



Versatility and Economic

The GammaBeam-127 is a dry storage, panoramic irradiator that uses Nordion's F-127 shipping container for source storage and operation. Products to be irradiated are placed inside the biological shield, either on turntables or directly on the floor. After safety interlocks have been engaged, the source is raised by a pneumatic hoist for the prescribed amount of time and then returned to the safe position inside the container. Source to product distance can be varied easily, resulting in good dose uniformity across a wide variety of densities. This batch processing approach lends itself well to research and testing, food irradiation, Sterile Insect Technique (SIT) and many other applications.

The small footprint and simple design of the irradiator means that manufacturing and installation times are shortened, and the unit can easily be added to an existing facility. With a smaller initial investment and low operation and maintenance costs, the GammaBeam-127 is an economical choice for gamma processing.

Information at Your Fingertips

The GammaBeam-127 employs Programmable Logic Control (PLC) and Supervisory Control And Data Acquisition (SCADA) technology for reliable and intuitive operation. The user interface provides real-time status of all irradiator components, including the integrated safety systems. Data logging and reporting is accomplished with a robust database, and network connectivity provides the option for remote diagnostics and troubleshooting.

A Passion for Safety

All of Nordion's irradiators meet internationally recognized safety and security standards, such as 10 CFR Part 36, IAEA Safety Series 107 and ANSI 43.10. Nordion's industry involvement and years of experience in regulatory affairs means you can be assured that our products incorporate the latest advancements in safety and security.

The Gamma Advantage

Specifications

Maximum Source Activity	60 kCi
Dose Rate @ 1 m	600 Gy/hr
Product Configurations	4 turntables (standard) 12 turntables (optional) 50 cm diameter 2 RPM
Maximum Product Weight (on turntables)	700 lbs. (320 kg)
Source to Product Distance	Variable 33 in. to 45 in. (85 cm to 115 cm)
Floor Area Required	33 ft. x 39 ft. (10.1 m x 11.9 m)
Mode of Operation	Manual batch

- **High penetration for treatment of products with mated surfaces, thin lumens and higher densities, all in final packaging**
- **Scalable so that your throughput can grow when your business does**
- **Immediate product release through dosimetry gets product to your customer faster**
- **Robust and reliable technology that is easy to operate and maintain**
- **Endorsed by the World Health Organization and the U.S. Food and Drug Administration for food irradiation application**
- **Global track record of safety and efficacy, currently sterilizing more than 40% of the world's single-use medical devices**

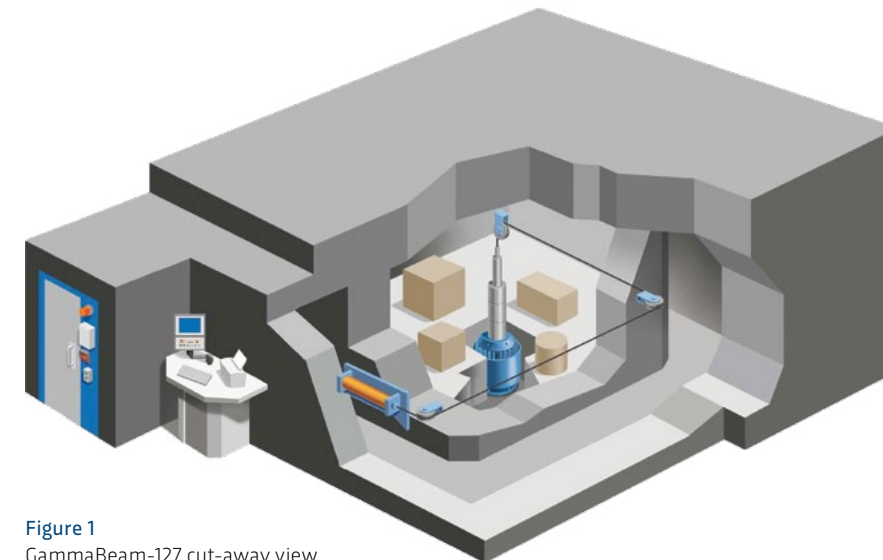


Figure 1
GammaBeam-127 cut-away view



Nordion's products and services are used throughout the world to prevent, diagnose and treat disease. Our applied research and innovation play an integral part in improving global healthcare.

Nordion is guided by a core purpose of making a distinctive contribution to the health and wellbeing of people. We are a leader in protecting the health and safety of our employees, our neighbours and the environment. We have a sound environmental management system and certified operating practices that meet stringent international standards for environmental sustainability. Nordion and our employees take an active role in building healthy, strong, happy communities, both at home and abroad.

About Nordion

Nordion, a Sotera Health company, is a leading provider of medical isotopes and gamma technologies used for the prevention, diagnosis and treatment of disease and infection. Nordion's products are used daily by pharmaceutical and biotechnology companies, medical-device manufacturers, hospitals, clinics and research laboratories. Nordion supplies products to more than 40 countries around the world, and is committed to their mission, Safeguarding Global Health™ with every critical isotope they supply.

About Sotera Health LLC

Sotera Health LLC—parent company of Nordion, Nelson Labs, Sterigenics—is the world's leading, fully integrated protector of global health. With over 500 combined years of industry-recognized scientific and technological expertise, Sotera Health ensures the safety of global health by providing mission-critical services to the medical, pharmaceutical, tissue and food industries.



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