

# Nordion®

A Sotera Health company

## JS-10000

Hanging Tote Irradiator



Superior Performance  
on a Large Scale

[nordion.com](http://nordion.com)



The JS-10000 Hanging Tote Irradiator is the ultimate in flexibility and performance, providing an ideal solution in high-mix, high-volume environments where the focus is on getting the highest value of product out the door at the lowest cost.

## 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.**



### Superior Performance on a Large Scale

Using state-of-the-art controls technology, precision electric drives and a tote designed for maximum durability and minimum absorption, the JS-10000 is the workhorse of industrial irradiators. Unsurpassed reliability and uptime mean more operating hours and better utilization of capital, a key performance measure whether you are a medical device manufacturer or contract service provider.

### For the Way You Do Business

The Multi-Mode Operation (MMO) feature available on the JS-10000 provides a selection of source pass product flows, allowing the operator to optimize production for different business environments, from high-volume where efficiency is paramount, to high-mix with frequent product changeovers and widely varying dose requirements, including difficult-to-process products with demanding dose uniformity specifications.

### Information at Your Fingertips

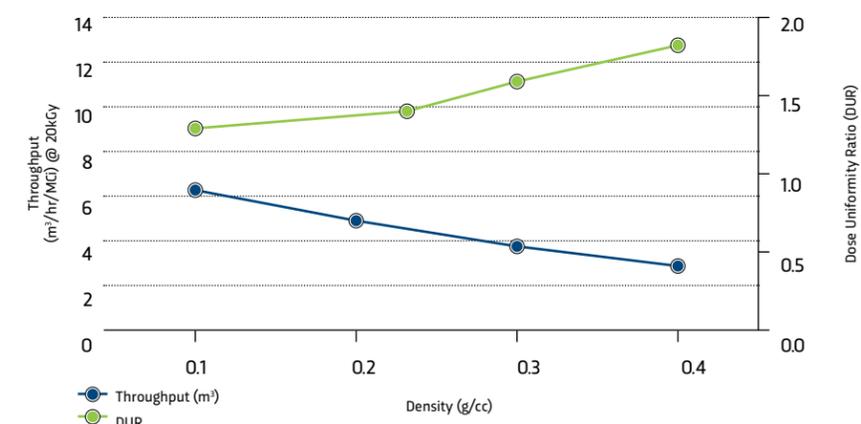
The JS-10000 employs Programmable Logic Control (PLC) and Supervisory Control And Data Acquisition (SCADA) technology for reliable and intuitive operation. The user interface provides real-time status of all irradiator components, including the integrated safety systems. Data logging and reporting is 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.

### Specifications

Source Rack Capacity	5 MCi
Maximum Product Stack (L x W x H)	24 in. x 41 in. x 72 in. (610 mm x 1041 mm x 1829 mm)
Maximum Product Weight	1022 lbs. (465 kg)
Maximum Product Density	0.4 g/cc
Floor Area Required (with standard storage)	119 ft. x 46 ft. (36 m x 14 m)
Modes of Operation	Standard: 4 pass automatic continuous Optional: 2 pass automatic continuous, 2 pass automatic batch, 2 pass incremental dose



- 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
- Safety and efficacy track record, sterilizing more than 40% of the world's single-use medical devices

Figure 1  
JS-10000 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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