



nordion
SCIENCE ADVANCING HEALTH

Throughput

Performance

Reliability

IS YOUR GAMMA SYSTEM PROVIDING OPTIMUM PERFORMANCE?



Gamma Systems can operate reliably for decades. Older systems may reach their capacity to process products efficiently before they need to be replaced. Your Gamma System may need an upgrade in order to provide your operations with optimum throughput and dose delivery.

Not sure if you need an upgrade?

- Is your System unable to support the processing requirements of your business?
- Are you returning cobalt sources before the end of their useful life due to source rack capacity?

If you answered “yes” to either question, your facility may not be operating at optimum performance which may impede growth opportunities or cost efficiency. Nordion has provided many of our customers with unique and cost-effective upgrade solutions for their Gamma Systems’ operational needs.

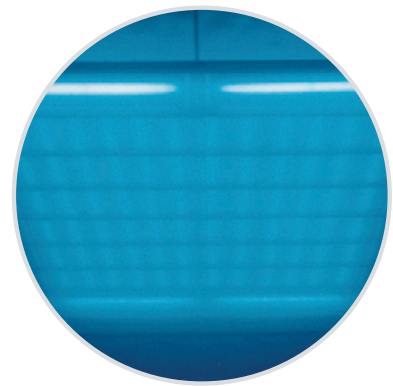
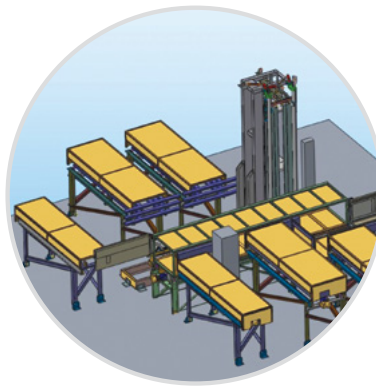
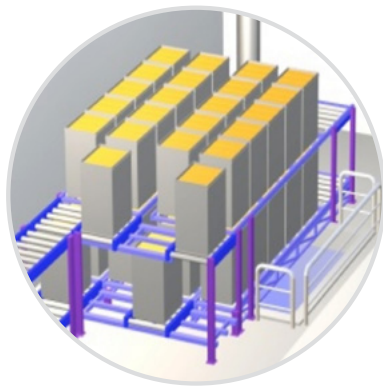
UPGRADES FOR OPTIMUM PERFORMANCE.



Product Conveyance Upgrade

Today, modern product conveyance systems provide both increased speed and lower maintenance costs.

Whether it is through changing the conveyor drive systems to deliver product more quickly or modifying the product loading and unloading area for speed and ergonomics, many cost-effective solutions have been executed by Nordion on existing Gamma Systems.



Source Rack System Upgrade

Over time, many Gamma System source racks can become full and run out of capacity to install new Cobalt-60 sources.

This can result in reduced system processing ability. Nordion has designed and installed many new source systems to give extended capacity to older gamma facilities.



CUSTOMIZED SOLUTIONS. COST-EFFECTIVE APPROACH.

Benefits of Upgrading

Upgrading provides economic and operational benefits.

Upgrades can:

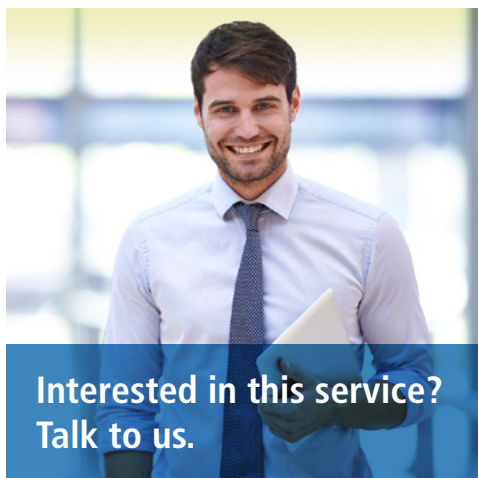
- Improve operational costs through reductions in downtime, labor requirements and maintenance
- Improve operator safety and ergonomics
- Resolve product processing challenges through improvements in:
 - Dose uniformity
 - Product turnaround
 - Conveyance speed
- Increase system supportability

Nordion's Approach to Throughput and Capacity Upgrades

Nordion provides Gamma System Upgrades to optimize your facility's gamma processing needs. We offer these upgrades to you, as a valued customer, to help maintain the highest level of economic benefit at your gamma facility.

Nordion will:

- Provide an engineering assessment of your current system
- Develop a comprehensive understanding of your needs and capabilities
- Design a solution that offers a cost-effective approach to upgrading your systems
- Work with you to update your equipment to an optimal solution



Next Steps

Let's discuss how we can work together to update your Gamma Source or Conveyor System in a way that makes the best sense for your operations.

For the most reliable and safe gamma system in the industry, contact us at nordion.com/contact-us.