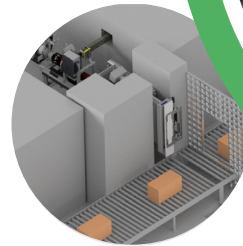
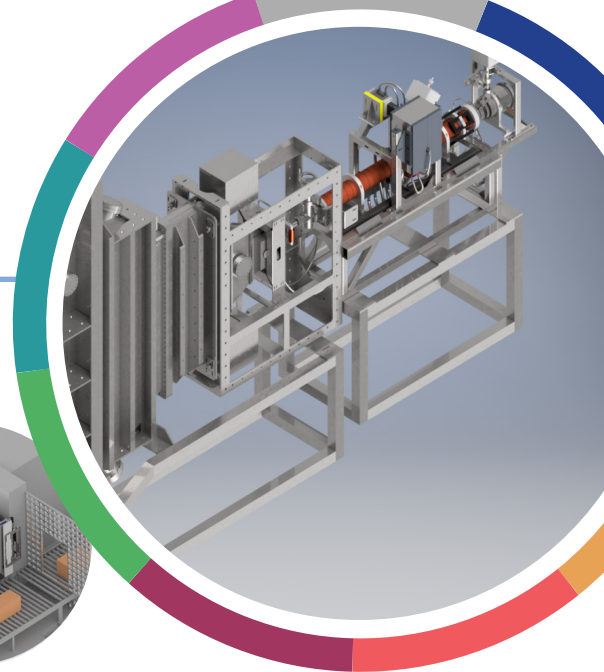


Linear Accelerators



What are linear accelerators (linacs)?

Linac systems accelerate electrons to effectively penetrate a wide range of materials with E-beam and X-ray technologies, enabling thorough treatment of various products for a range of applications.

What are the primary uses of a Mevex linac system from STERIS AST Equipment and Technologies?

- Sterilization of single-use medical devices and pharmaceuticals
- Production of medical isotopes
- Processing of consumer goods and industrial products
- Phytosanitary treatment of plant and plant-based products
- Microbial reduction in food
- Crosslinking and materials modification for industrial products and consumer goods

Linear accelerators play a critical role in improving the safety, efficacy, and efficiency of public health.

Depending on the application, these configurations feature energy ranges from 2 MeV to 40+ MeV and power capacities up to 100+ kW.

What are the key features of a Mevex linac system from STERIS AST Equipment and Technologies?

- Optimized configurations, tailored for specific applications
- Dual technology (E-beam and X-ray) capabilities on the same processing line
- Compact footprint, high energy E-beam designs available
- Adjustable energy and beam power maximizes throughput and process capability
- Enhancements and upgrades are available on existing equipment/configurations

What are the key benefits of a Mevex linac system from STERIS AST Equipment and Technologies?

- Minimized handling damage of fragile products (ex. petri dishes)
- Enhanced flexibility for varied product batches
- Compact shielding configurations available
- Adaptability to match specific production requirements
- Optimization of dose to product (individual products or processing categories)
- Ability to increase beam power

Why choose a Mevex linac system from STERIS AST Equipment and Technologies?

STERIS AST Equipment and Technologies supports radiation and gas processing through our [Mevex equipment](#) and [Konnexis technologies](#). The Mevex equipment offering includes linacs that provide exceptional flexibility in energy, power, and treatment modalities. [Advanced control systems](#) from Konnexis technologies allow for tailored irradiation parameters, helping ensure each Customer's unique processing requirements are met. The combination of Mevex equipment and Konnexis technologies provides a comprehensive offering that includes product handling and process control software designed to enhance operational efficiency and effectiveness.

Scan the QR code below to learn more about the typical configurations available of a Mevex linac system from STERIS AST Equipment and Technologies.



FOR MORE INFORMATION

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