



SteriTek

Expert Sterilization Services

# Company Background

Steri-Tek was formed by employees from Nutek, an E-beam facility that had been established for 25 years

They have over 100 years of experience in the E-beam industry

Our flagship facility is 42,000 sq. ft. and located in the SF Bay Area in Fremont CA providing e-beam sterilization

The newest 100,000 sq. ft. facility is in Lewisville, TX



# Certificates & Licenses

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ISO 11137

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ISO 13485

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DEA Manufacturing Registration

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FDA Medical Device Manufacturing Registration

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FDA medical Drug Manufacturing Registration in

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State of California Medical Device Manufacturing License

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State of Texas Medical Device Manufacturing License

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State of California Drug Manufacturing License

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State of Texas Drug Manufacturing License

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MedAccred Accredited

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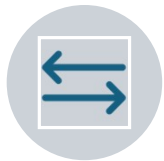
FDA Tissue manufacturing registration

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Japanese Ministry of Health

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# Technology



10 MeV Linear Accelerator  
(2)



The Beams are mounted  
horizontally on either side  
of the conveyor



Redundancy – if one  
machine is out for  
servicing, the boxes are  
automatically rotated



20 KW in E-Beam (2) CA  
30KW in E-Beam (2) TX



80 KW in the X-Ray mode  
(2) TX



Mevex manufactures the  
most state-of-the-art  
machines in the industry

# E-Beam

Electrons are accelerated to about 99.7% the speed of light

10 million pound concrete bunker to contain the radiation

Conveyer system

- Product travels between 1 and 5 feet per minute past the beam
- Dual beam system

Penetration of 7.7 g/cm squared

Minimal exposure to Ozone

# E-beam vs. Gamma

## E-BEAM

Electron accelerator

Source: electricity

Electrons (mass and charge)

Double sided for better penetration

Seconds

Material effects

## GAMMA

Cobalt<sub>60</sub>

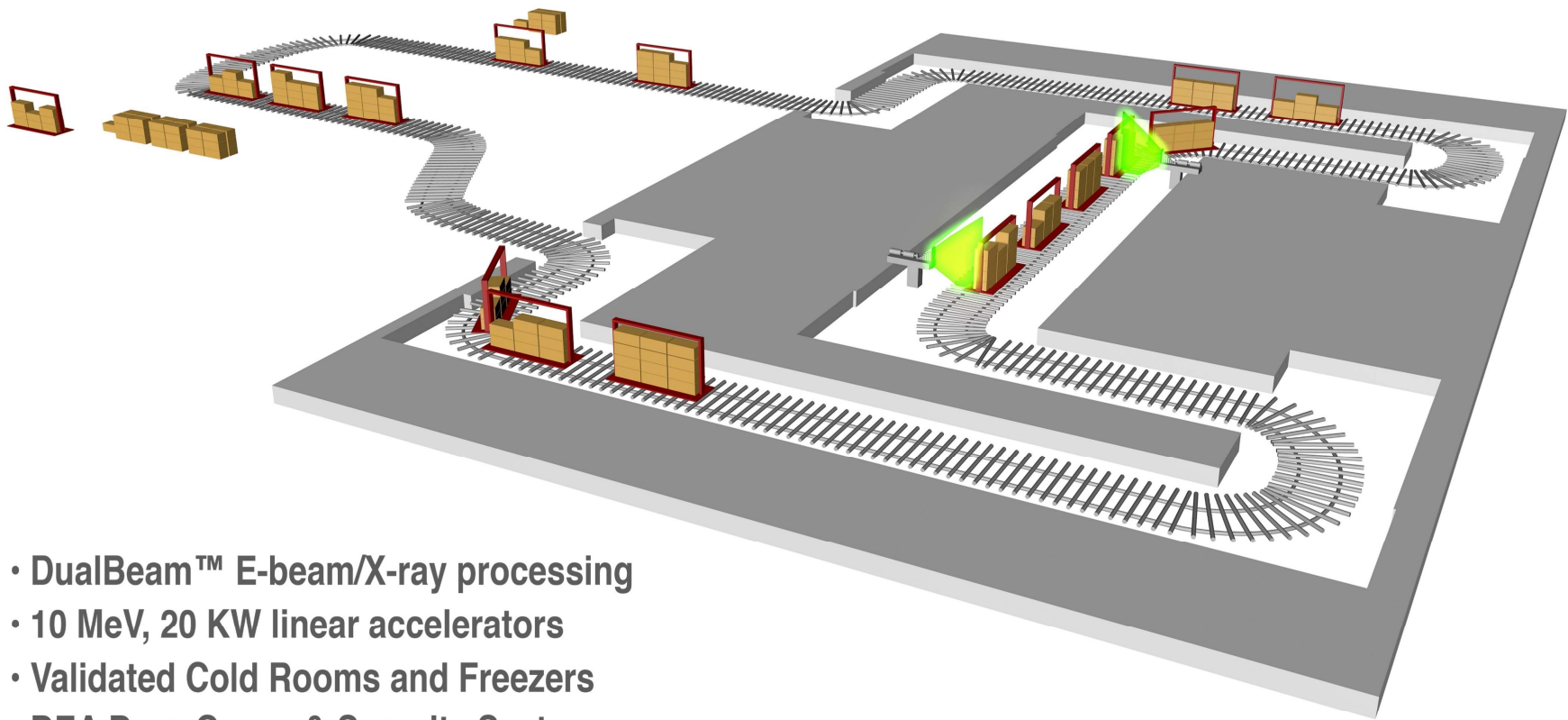
Source: nuclear reactors (1 supplier in the western hemisphere)

Photons (pure light energy)

Best penetration

Hours

More material oxidation



- DualBeam™ E-beam/X-ray processing
- 10 MeV, 20 KW linear accelerators
- Validated Cold Rooms and Freezers
- DEA Drug Cages & Security System

# Capabilities

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Scalable E-beam irradiation from one box to truckloads

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Ultra low dose processing down to 0.4 kGy

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Split dose processing

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Walk-in Freezers -16 to -26 C and -80

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Walk-in Refrigerator 2-8 C

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CryoTote for continuous cold processing

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Shielding

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THANK YOU