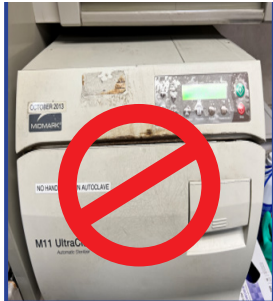


Introducing RadBox™

Sterilization at the Speed of Light

Replaces autoclave – faster, cheaper, and more sustainable method of medical instrument reprocessing

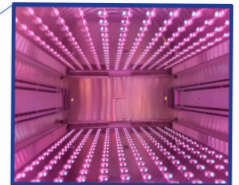
Autoclave Sterilizers



- **Old** technology, ~150 years
- **Slow**, 85+ minutes
- Requires facility installation
- High water **consumption**, 1M gallons/unit/year
- **Energy intensive**, ~22 MWh/unit/year
- Wastewater disposal



RB-X1



Germicidal and Thermal Kill Zone

3+ Year Lifecycle
Available Q4 2026

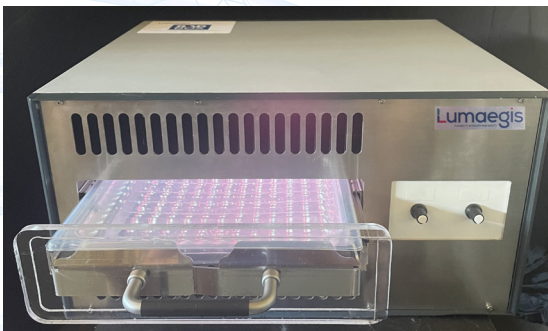
Benefits of Using Optical Energy to Provide Dual-Modality Deactivation

Clinical Verification on Bio-indicator *B. pumilus*

- In 180s, >99.9992% = 50% S.A.L. required by FDA
- In 270s, >>99.9995%, no colonies detected

Regulatory Update

- FDA De Novo designation - Q3 2024
- RadBox approval pathway defined: hierarchy, lethality, GLP validation - Q3 2025
- Full De Novo approval and marketing clearance - Q4 2026



FDA Test Demo - RB-X3

Benefits to Practitioners:

- Fast and efficient
 - ✓ 6 minutes vs. 85+ minutes for steam autoclave
 - ✓ Faster room and tool turnover means more patient visits, increased revenue and fewer instrument inventory
 - ✓ Space efficient = ¼ size of Midmark M11
- Lower maintenance, repair and operating costs
 - ✓ Zero water usage; no effluent cooling
 - ✓ Total cost of ownership 50% of current technology
 - ✓ \$25,000 saving/unit/yr. vs Midmark M11
- Designed to be sustainable, mobile and battery operated
 - ✓ Modular design for easy expansion
 - ✓ >90% less power consumption, reusable sterile packaging
 - ✓ No damage to medical and surgical instruments

Lumaegis
FLEXIBILITY IN HEALTH AND SAFETY

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