INTENSE PULSED UV SYSTEM
XeMaticA-2LFA-V2
2 flashlamps, fully automated:

ideal R&D tool for food, bio-medical and pharmaceutical applications.

Touch-Screen Selection to select:

- 180° or 360° product exposure by operating one or both lamps + side reflectors,
- pulse energies 100 J to 450 J,
- pulse repetition rates 1-5 Hz,
- number of pulses in a burst: 1-100.

Electrical data: Power: 300-1800 w.
115 or 220 VAC, 1 phase 50/60 Hz,

Size, Weight, Material:
60 cm wide x 40 cm high x 53 cm deep,
polished stainless-steel , weight 42 kg.

UV chamber:

- 18 cm wide x 24 cm high x 18 cm deep,
- lined with Aluminum 99.8% side reflectors,
- UV flux is largely uniform between lamps.

View inside the UV chamber
through the opened door:
two horizontal water cooled Pulsed Light UV modules and UVC transparent quartz shelf between.

Flash lamp type and spectra:

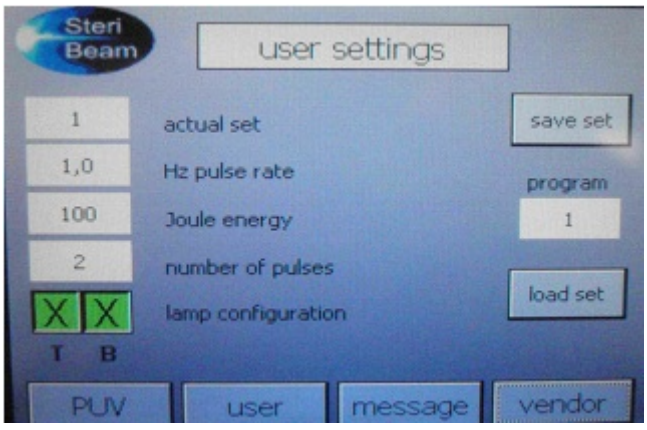
- Xe gas filled (NO Mercury) water-cooled flash lamps,
- 19 cm active length, or up to 25 J per cm lamp length,
- adjustable by pulse energy UVC, UVB and UVA outputs,
- no IR (heat) from lamps on samples (heat control):

Ozone - free and heat (IR) free!

UV fluxes on a product: up to 1.0 J/cm²/pulse.
Sterilization Efficiency is up to
for bacteria: 3-6 logs /pulse,
for spores: 2-3 logs /pulse.

- **distance** between lamps is adjustable with 2 cm steps,
- **UVC quartz shelf** between lamp modules.
- **2 pairs of changeable reflectors** with footprints 5x20 cm and 10x20 cm (installed) to vary UV fluxes for various product sizes.

5.7" LCD display to select operational parameters:



Available paid options:

- outside sub-system with Pulsed light UV lamp for treating juices, equipped with a batch, pump etc (details on request),
- UVC monitoring at the product level or by its sides,
- a water cooled filter to remove visible and the rest of Infra Red light, to be placed between a lamp module and a product shelf.

Safety: during the system operational cycle the chamber door is automatically locked: no UV or EM fields leak out.

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