

INTENSE PULSED LIGHT SYSTEM XeMaticA-2L-FA-SE2

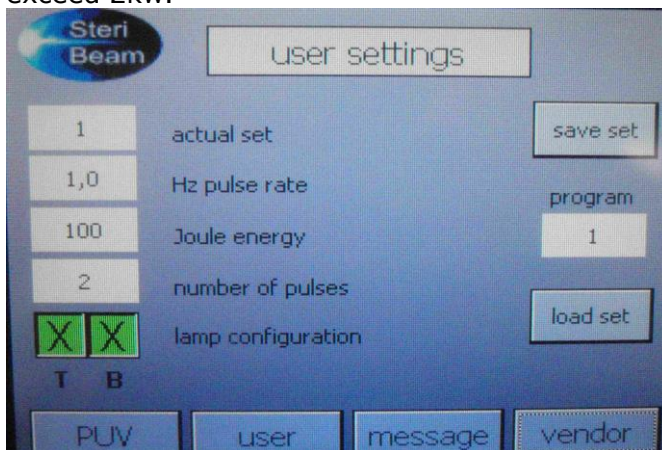
fully automatic R&D system with two flash lamps

for evaluation tests in food, pharmaceutical,
cosmetic, bio-medical applications:



5.7" 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,
- the product of selected pulse rep. rate and pulse energies is automatically adjusted not exceed 2kw.



Safety: during the system operational cycle the chamber door is automatically locked:
no UV or EM fields leak out.
Ozone - free and heat (IR) free!

Flash lamp type and spectra:

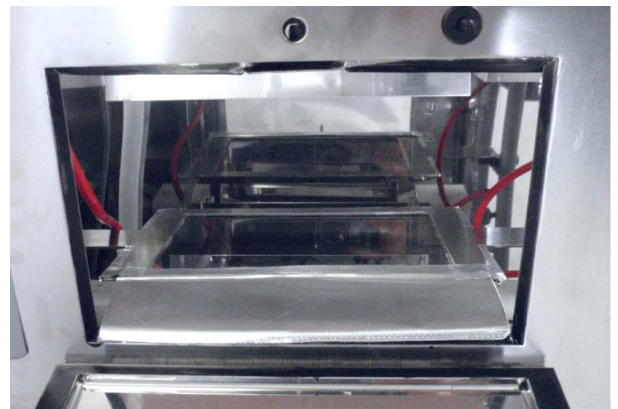
- Xe gas filled (NO Mercury) water-cooled flash lamps,
- 19 cm active length, up to 25J/cm along lamp,
- adjustable UVC, UVB and UVA outputs
- no IR (heat) on samples (heat control).
- UV fluxes on a product: up to 1.0 J/cm²/pulse.
- Sterilization Efficiency is up to
- for common bacteria: **2-5 logs /pulse,**
- for common spores: **1-2 logs /pulse.**

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,
 - two horizontal water-cooled PUV modules with 99% reflectors and a clear quartz shelf between,
 - UV flux is largely uniform between lamps
- UVC/UVB optional filter can be placed over or under a sample shelf as on the photo below:



Options:

- 1: adjusting the lamp spectra to a desired maximum output in UV, visible and IR spectra.
- 2: Lamps independent pulsing: one or both.
3. Various cut-off and broad filters

Electrical data: Power: 300-2000w.
115 or 220 V/AC, 1 phase 50/60 Hz,

This is our proven and sold SteriBeam Edition Pulsed Light system.