

INTENSE PULSED LIGHT XeMaticA-FA-2xLamps Modules

fully automatic as the R&D or as a conveyer ready system

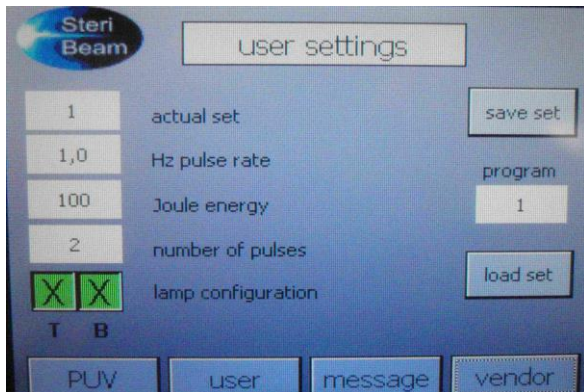
for piloting in food and pharmaceutical applications including for conveyers:



The lower housing contains the power and control sections, the above under the same cover are the PUV chamber and the display. All 3 modules are detachable for conveyer mounting.

5.7" Touch-Screen Selection is 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 are self-adjusted to below 2kw.



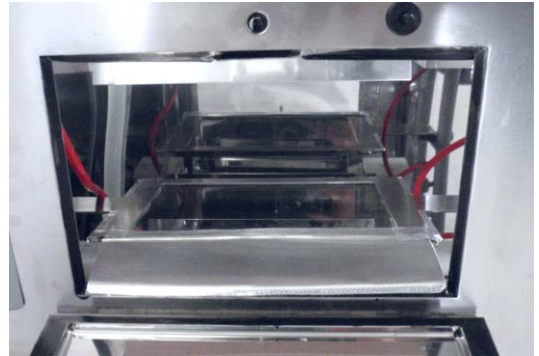
Safety: during the system operational cycle the chamber door is automatically locked:
no UV or EM fields leak out.
Ozone - free and heat (IR) free!

Flash lamp type and spectra:

- 2xXe gas filled 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.
- 2-5 logs /pulse for common bacteria,
- 1-2 logs /pulse for common spores.

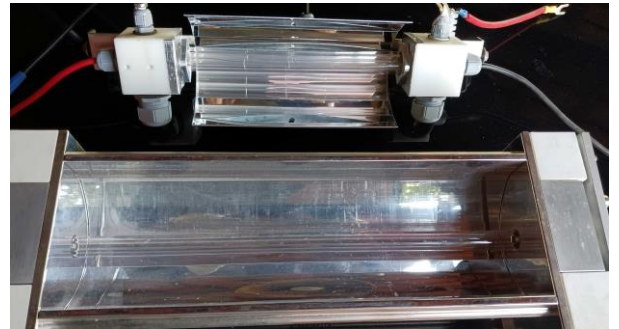
UV chamber:

- 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 filter can be mounted over or under a sample shelf as below:



PUV modules can be placed over a conveyer:

- the power control module and the screen can be mounted separately from lamp modules, which can be placed over a conveyer. Below are 19cm and 38cm long water cooled PUV modules for this system:



System Size, Weight, Material:

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

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

This is our proven and sold SteriBeam Edition #2 Intense Pulsed Light system.