



INTENSE PUV conveyer ready automatic system Pilot-FA-1L

for pilot and production lines
in food, bio-medical and pharmaceutical
industries.

Touch-Screen Selection of:

- pulse energies 100 J to 1000 J,
- pulse repetition rates 1-10 Hz
- number of pulses per a burst 1-100,
- storage of pre-fixed parameters as F1..Fn.

EI connection:

220-230 AVC, 1 phase 50-60 Hz, 2000 w ave.
Size, weight of the driver (on the left photo):
60 cm wide x 56 cm high x 56 cm deep,
med-grade stainless-steel housing, weight 55 kg.
UV lamp module:

- 60 cm long x 20 cm high,
- Aluminum 99.8% reflectors,
- UV flux is largely uniform under the lamp,
- lamp is water cooled.

Flash lamp type and spectra:

- Xe gas filled (NO Mercury) water-cooled flash lamps,
- 19 and 38 cm active length, or up to 50 J/cm of a lamp length,
- adjustable UVC, UVB and UVA outputs,
- UVC or UVB water filled filters,
- UVC+UVB fluxes on a product: up to 1.4 J/cm²/pulse.
- **Sterilization Efficiency: up to 3-4 logs /pulse!**

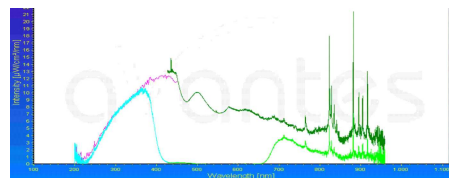
Pre-programmed bursts of PUV pulses

for each package are delivered on a command
from a light-breaking sensor which sends the
"start" signal at the arrival of the product under
the lamp module.

A variety of water cooled lamp modules on
request to fit any pilot need:



with optional broad band UVC or UVB water cooled
filters, which take out 95% of visible and IR light:



5.7" LCD display to select:

- pulse energy E(p) from 100 J to 1000 J,
- repetition rate n= 1 - 10 Hz,
- number of pulses per "burst" : 1 to 100.
- auto-rejection of pulse parameters when:

Pulse Energy in J x Rep. Rate in Hz > EI. Power Limit
(for each selected energy is different).

The system is for a rental use, where the lamp
module is to be adjusted for each case.

Our PUV systems are in use worldwide and were successfully tested in leading EU labs.