



**Available for immediate delivery and evaluation tests:**



XeMaticA-FA-2xLamps fully automatic R&D system with data directly applicable for PUV conveyer systems. It comes with pulsed UV, pulsed current and voltage sensors, 2 trace 100MHz scope, water cooling controls. It employs UV flashlamps with 200µs pulsed, which is at least half as much as ones in many PL systems which cannot so much as ours to boost UVC to UVA outputs.



R&D SYSTEM XeMaticA-1L-Basic.  
The most sold and referenced PUV system suitable for many tasks.  
*Off shelf, with 1-2 weeks delivery.*

**Available for delivery and evaluation tests in 3 to 12 weeks:**



XeMaticA-1L-RepRate-V2 automatic R&D system with one water-cooled UV-enhanced flash lamp.  
*Off-shelf, readiness in 3 to 4 weeks.*



XeMaticA-2L-FA-SE2 fully automatic R&D system with two water cooled flash lamps operated from the 5.7" touch-Screen display. Second version of above in Nr. 2 position.

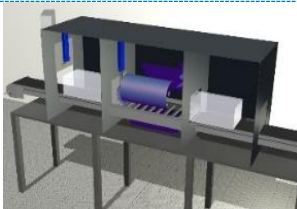


Bench-Top PEF Sterilization / extraction systems customized to fit R&D customer objectives. Coaxial cylindrical & flat PEF chambers with adjustable gaps. 3 basic types, sufficient for many modest R&D tasks

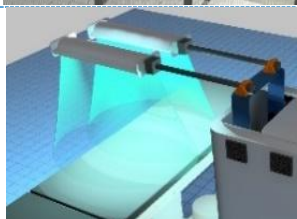
**Full-scale equipment to be built as per evaluation tests with delivery from 2 to 18 months**



**Pulsed Electric Fields (PEF) Pilot dual System**  
*with three PEF chambers:* - #1 is coaxial for deactivating bacteria by el. fields stretching, - #2 is co-linear to de-activate all micro-organisms in juices by volume discharges, - #3 – a flat designed PEF chamber for PEF assisted extraction of juices from hard to break vegetative cells, or for softening meat etc. tissues. *It is ready, needs only customization. It is available for in-house limited evaluation tests.*



Pulsed UV automatic tunnel as a pilot/small production was custom manufactured for a distributor in Germany. The tunnel brochure includes photos and movie clips of its functions. Similar tunnels can be customized per customer requirements.



Ready to produce Customized Pulsed UV movable systems for absolute sterilization of surfaces, air and clear infusion bags in hospitals. A proposed project for an investor.

The major web publication on the Pharmaceutical Industry: **Pharmaceutical Business Review (PBR)** published by their staff writer his verified report about our achievements on our standard IPL system:

Process & Production News

Select a Pharmaceutical sector

**Steribeam announces results of 6 logs sterilization of B. pumilus spores on standard equipment**  
**PBR Staff Writer**

Published 21 May 2013

Steribeam has announced that 6 logs sterilization of B. pumilus spores with a few UV pulses on the standard equipment opens a possibility for in-line sterilization of filled infusion bags and syringes.

Since this publication we offer IPL systems with the same high efficiency in commercially viable times.

**Attachment: Ordering evaluation tests and full-scale equipment from the list above:**

**A: based on published data by reliable users of our R&D Pulsed UV or PEF units:**

To send us a pdf copy of published results with the request either to build the same R&D system or to build a full-scale production system capable of industrially reproducing same results. Wek-tec will respond with respective offer, which could be adjusted to current capabilities of wek-tec sub-contractors.

**B: based on published data by users of not ours R&D Pulsed UV or PEF units:**

To send us a pdf copy of published results by equipment from other vendors with the request either to build the same R&D system or to build a full-scale production system capable of industrially reproducing same results. Wek-tec will respond with respective offer, which could be adjusted to its own current capabilities plus those of wek-tec sub-contractors.

**C: based on customer own needs to get certain production results based on his own general expectations from Intense Pulsed Light or PEF technologies:**

To send us its own projections/ requirements and notes why she/he considers, that such an equipment is possible to build for rather modest prices. Wek-tec will respond with either declining such a request based on either limitations of the technology, or limitations of funding etc, or offering tests to prove the customer proposal. It can also evolve in to the engineering project on order from a customer to wek-tec, which procedures to follow are here: <http://www.wek-tec.de/wt-systems/Engineering Projects by wek-tec.pdf>

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