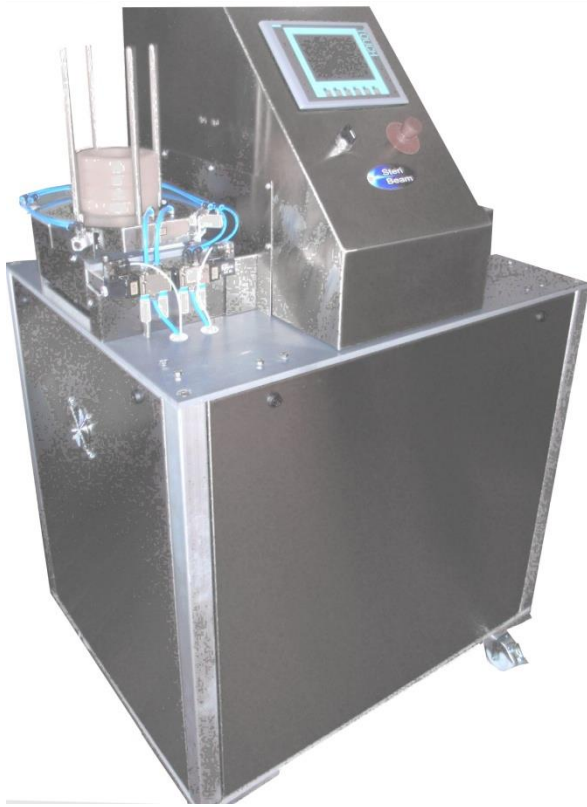


In-Line-PUV-Tunnel with intense Pulsed UV Lamps, fully automated, up to 6 logs sterilization of product surfaces.

for pilot or production lines in food, bio-medical and pharmaceutical industries processing 360-3600 products per hour:



In-line sterilization capability:

- up to 4 logs/pulse for common bacteria,
- up to 3 logs/pulse for common spores.

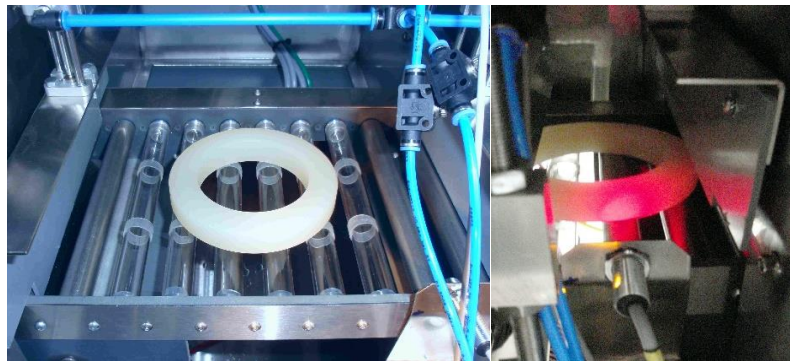
Basic standard features:

- water-cooled Xe-filled flashlamps,
- No heat waves on a product,
- up to 35% in UVC for loads up to 50 J/cm for 19cm or 38 cm active lamp lengths,
- LCD display rejects "incorrect" parameters,
- UVC doses per pulse bursts: 0.2 to 2 J/cm².
- a simple integration into production lines.

Interactive LCD display to select:

- UV doses by pulse bursts with selected pulsed energy and a number of pulses;
- Pulse energies /pulse/burst: 100-500J /1-20,
- Pulse repetition rates: 1-5 Hz,
- conveyer speed - 0,6 - 6 m/min,
- type of Illumination: 360° by both PUV lamps pulsing between a transparent conveyer or 180° by lamps above conveyer.
- Product recognition by a light-breaking sensor.
- Fully automatic, turn-key including product loading
- During pulsing the conveyer stops, entry and exit doors of the tunnel are closed,
- UV transparent conveyer by UV quart rollers.

By clicking the left photo comes AVI clip showing how products are loaded, while clicking the right photo opens a clip showing how product is moved and illuminated by flash lamps from both sides:



Standard configurations:

A: 1 power block serving 2 lamp modules: 1 above and 1 below the UV transparent conveyer.

B: 1 power block serving 2 lamp modules above a conveyer.

El connection: 220-240 VAC, 50-60 Hz, 12A, 2300 w

Dimensions: 120 cm wide x 160 cm high x 80 cm deep, food-grade stainless-steel housing, weight ca. 80 kg.

This fully automatic tunnel with Intense Pulsed UV lamps was installed and used in production.