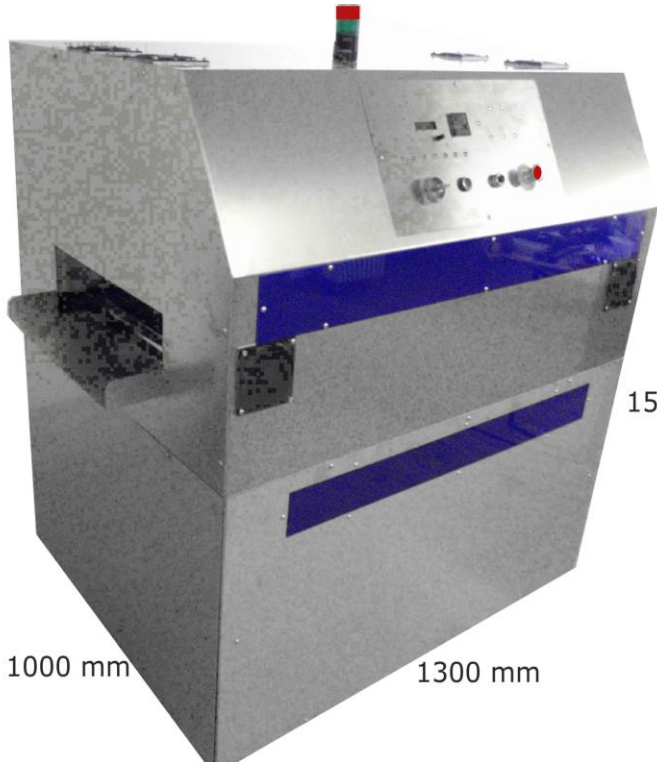




Production UV-C Tunnels
with continuous high output
low pressure (254 nm) amalgam lamps,
for up to 4 logs surface sanitation
 at throughputs **up to 3000 products** per hour.

Each UV-C tunnel is to be customized to a task.

e.g. below is the UV-C tunnel for sanitizing to 4 logs of 25 kg bags (900x500x150 mm) at 240 bags /h:



Basic parameters:

- UV transparent conveyer with a adjustable speed - 0,6 - 6 m/min, or adapted to a customer throughput,
- Illumination: full 360° by 2x2 (or 3x3) UVC modules positioned opposite each other between the conveyer,
- Regulated UV doses by adjusting a conveyer speed vs. a number of lamps,
- Controls for a UV-C lamp performance,
- UV transparent foil between lamps and products.

Throughputs:

- up to 3000 cups/h, lids/h (D8 cm),
- up to 1200 bags/h, (18cmx25 cmx2 cm, ca. 1 l),
- up to 240 bags/h, (50cmx80 cmx15 cm, 25 kg),

El connection:

- #1: 400 VAC 3 phase, up to 2 kw;
- #2: 220 VAC 1 phase, 50-60 Hz, up to 1 kw.

Size, weight:

120 cm wide x 160 cm high x 80 cm deep, food-grade stainless-steel housing, weight ca. 450kg.

Option #1: as an entry to a clean room.,

Option #2: automatic product loading/unloading

Option #3: an entry and exit chambers for products and processing chamber, when it is required by a spec.

The inside view of the tunnel for large bags, 360° UVC illumination. Inactivation is up to 4 logs.



Main Features:

- high performance Mercury amalgam low vapor pressure lamps are cost-effective alternative to other methods of product sanitation,
- major bacteria and spores: up to 4 logs,
- up to 9000 h lamp life,
- low cost for lamps,
- no heat to a product,
- an integration into production lines through PLC controls.

SAFETY:

- amalgam lamps do not have vaporized Mercury when are broken – it immediately condenses into a solid amalgam on internal surfaces of a quartz tube;
- fully sealed from UVC leaks;
- UVC monitoring and alarms when a lamp is accidently broken or its UVC flux falls below a limit.