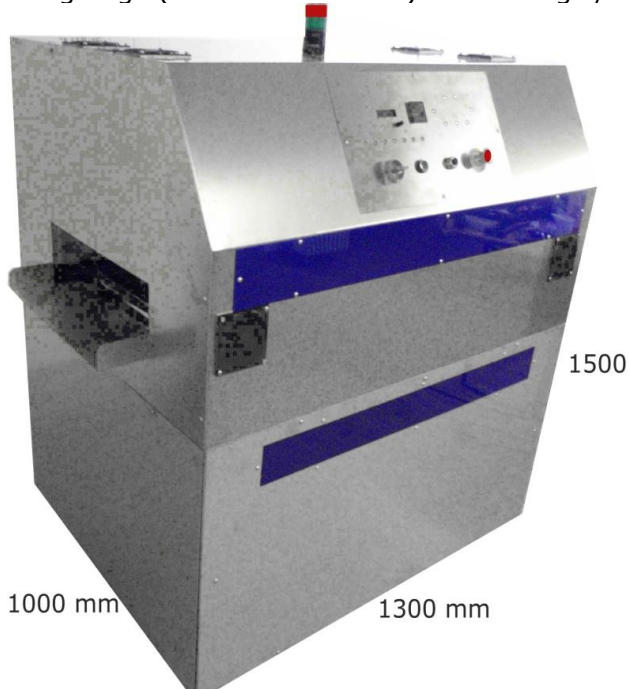


# UVC-Production Tunnel with continuous high output amalgam UVC Lamps

## Each UV-C tunnel can be customized.

the UV-C tunnel for sterilizing up to 6 logs surfaces of 25 kg bags (800x400x150mm) at 240 bags /h:



## 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 6 logs, yeasts and moulds: 3 to 4 logs
- up to 9000 h lamp life,
- low cost for lamps,
- no heat to a product,
- an integration into production lines.

## 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.

## Basic parameters:

- UV transparent conveyer with a adjustable speed - 0,6 - 6 m/min,
- Illumination: full 360° by 2x2 (or 3x3) UVC modules positioned opposite each other between the conveyer,
- Regulated UV doses are up to 100mw/cm<sup>2</sup> at its max throughput e.g. for 4 large bags/min (as below)
- 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.,

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

