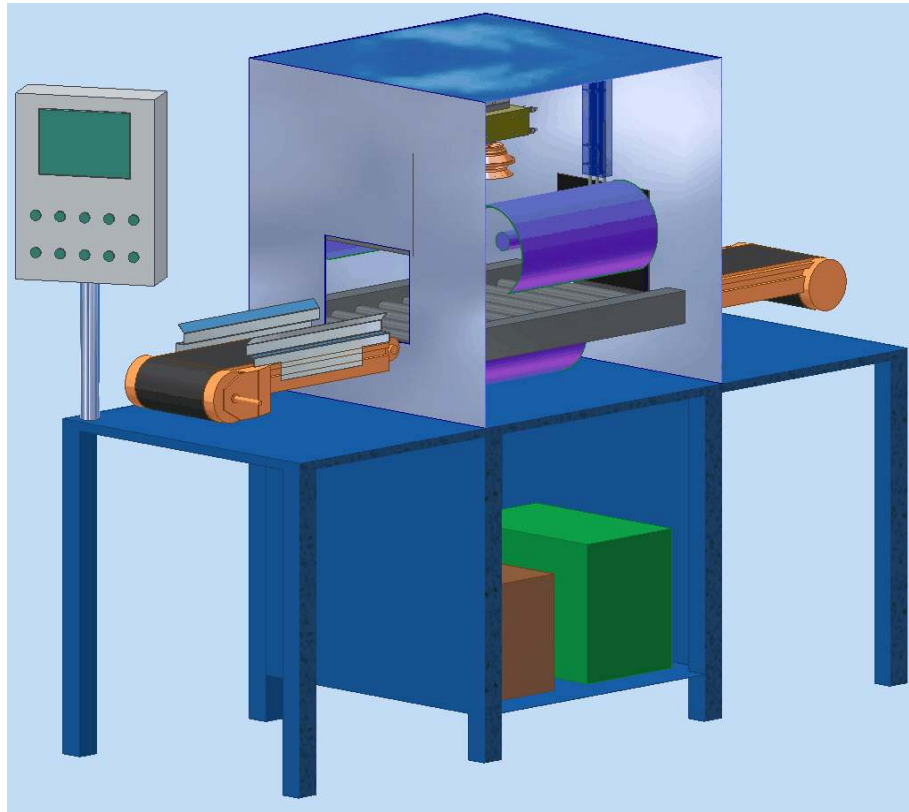
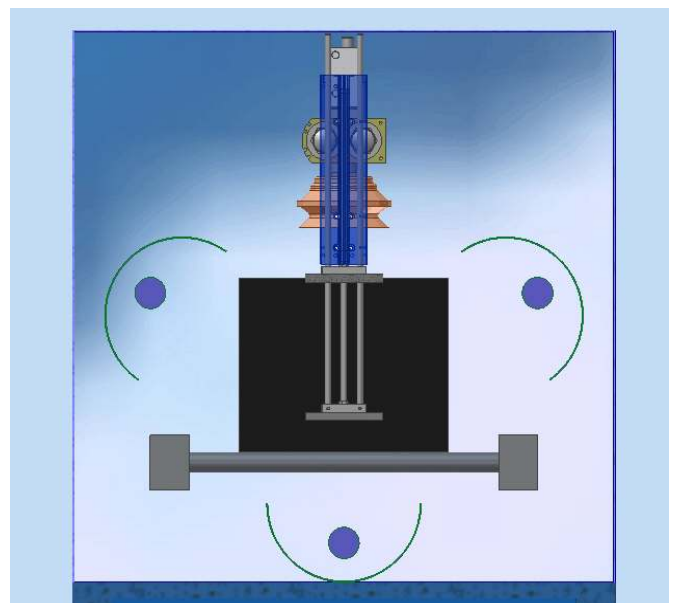


UV tunnels with Broad Spectra Intense Pulsed UV lamps
to Sterilize Food and Packaging at a High Speed in a Small Space.



Special features:

- Safety: PUV lamps have no Mercury, plus are shielded by UV transparent Teflon to catch quartz debris falling to food items in case of an accident.
- Speed: Lamps flash instantly a few sec once product is positioned in the center of the treatment chamber and both doors are closed. All treatment time including movement is 3 -5 sec/ product and can be further reduced to 1-2 sec for a longer UV tunnel.
- 360° Treatment: front and back sides of a product are turned at 90° with a special robotics. The bottom of large products is treated by the lower PUV lamp through gaps in the roller conveyer. The shadowed parts are treated due to forth-back moves of these rollers. Small sized products are placed on a UV transparent or a mesh-wire conveyer.



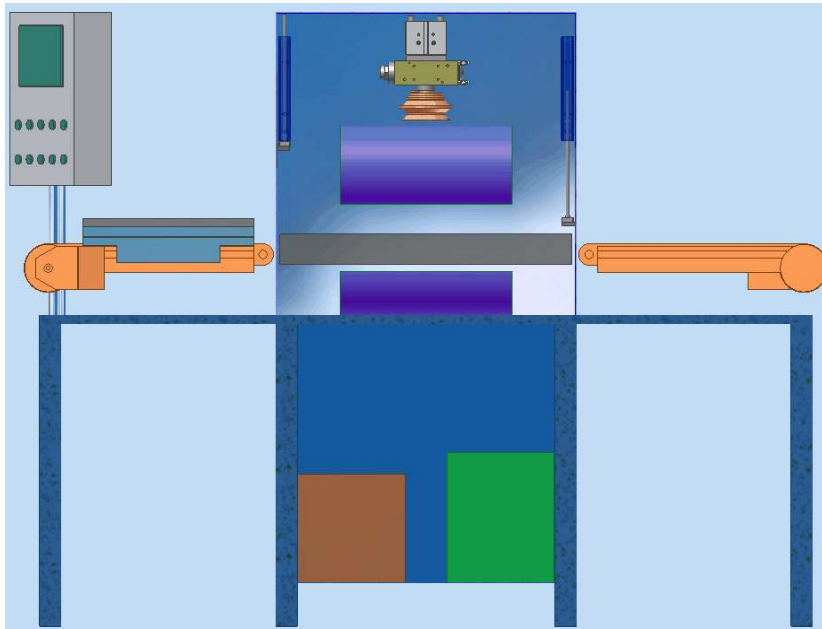
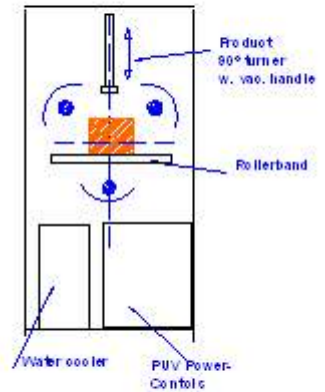
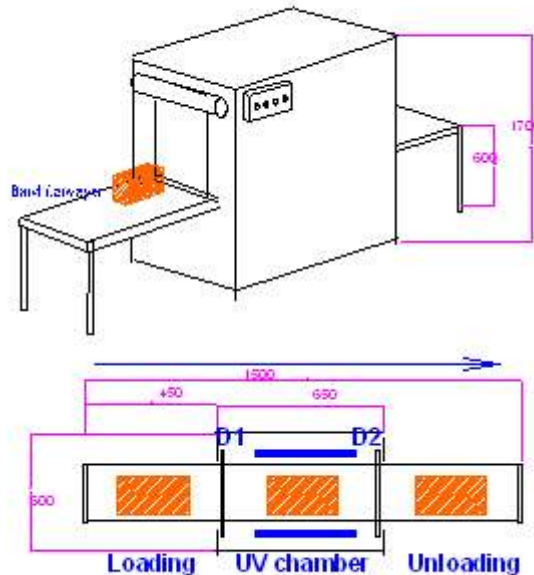
Operational steps:

#1: after UV treatment cycle is over, D1 and D2 opens,

#2: Loaded product is moved to the treatment chamber, while a treated - to unloading,

#3: D1 and D2 close, UV treatment cycle,

#4: Steps #1-3 repeat.



PUV lamps type, its positions, reflectors, spectra and UV dose are set to sterilize products to customer requirements.

Special filters to remove visible and Infra-Red light can be installed if it is necessary.

The system can be upgraded to meet pharmaceutical standards

Examples for sterilization:

- external surfaces of packaging,
- all round surfaces of packaging and content of packaged products if those are transparent to UV light (if not, we will recommend UV transparent packaging materials),
- cheese and ham blocks packed in UV transparent foils,
- open surfaces of meat or fish products packed in UV transparent foil,
- produce: salad leaves, fruits, vegetables,
- medical and pharmaceutical products, packaging.

Evaluation tests are a part of the system purchasing where our test fees are credited to the purchase of our systems.

The UV tunnels are build to customer requirements and have discounts for multiple (over 2) orders.

Please, send your inquiry to info@steribeam.com.