UV - TEAM

UV-C modules for food products and packaging disinfection on packaging and automatic lines.

UV-TEAM range is applied on food products transport and packaging lines such as: flow pack, termoforming machines, sieves, cooling tunnel, automatic weighing and more in general transport belts, as well as treating also the food products, decontaminating from germs the surfaces of belts, products, packages, etc.

It is shown that the control and the increase of hygiene level allows a consequent and general increase in quality both in healthcare facilities but also in pharmaceutical sector, in microbiological laboratories, etc.

The disinfection level with UV-TEAM achieves the elimination (99%) of bacteria such as *Bacillus*, *Coli*, *Clostridium*, *Legionella*, *Vibrio*, *Salmonella*, *Pseudomonas*, *Staphylococcus*, etc. in just a few minutes of operation.

Some application examples are the treatment of dried fruit in vibrant surfaces (strong reductions of molds), treatment of bakery products with tapes to stainless mesh (360° coverage of the surface, increase of shelf-life starting from 150%); treatment of fresh pasta in the cooling tunnel, in cascade on the belts multistorey (average increase of the life of the packaged product from a minimum of 20 to 60 days.); treatment in bottling lines and the down channel plugs (sanitization in very short times, with lamps I and amalgam); treatment of products being placed on the clean room (using a UV tunnel that allows you to enter products in protected environments by eliminating any risk of contamination) treatment of spices (tunnel with Shaving system thin layer, reduction of the bacterial load and increase the shelf-life.

High disinfection levels of UV-TEAM can be otherwise achieved, but only with chemicals, hazardous to health and harmful to the environment, as well as costly.

WHAT ARE UV-C RAYS?

Light in a broad sense can be divided in visible, infra-red and ultraviolet rays.

Ultra-violet rays (invisible) can be classified in:
- UV - A (with tanning properties)
- UV - B (with therapeutic properties)
- UV – C (with germicidal properties)

The germicidal effects of the UV-C radiation destroy DNA of Bacteria, Viruses, Spores, Fungi, Moulds and Mites avoiding their growth and proliferation.

UVGI technology is a physic disinfection method with a great costs/benefits ratio, it's ecological, and, unlike chemicals, it works against every microorganisms without creating any resistance.

TECHNICAL FEATURES

- UV-C Light Progress (emission peak 253.7 nm.) with high output, ozone free, pure quartz selective lamps;
- Strucure in AISI 304 stainless steel;
- Reflector in very pure bright mirror aluminum;
- MASTER-TM control board necessary for power supply and operations control;
- Shutter automatic closing (optional);
- UVLON PIPE protection against glasses fall;
- UVLON FRAME lamps protection (only available for amalgam models);
- Power supply by electronic ballast specific for Light Progress UV-C lamps;
- All the materials have been tested to resist to intense UV-C rays.
- CE marking (LVD - EMC - MD - RoHS).

UV - TEAM
application UV-C custom

Model with shutter (-SH)

UV-TEAM series includes a wide range of direct irradiation, up to 8 lamps, models for production lines and food packaging application.

For system control and power supply, it is necessary to combine it to our MASTER-TM control board to which they are connected one or more modules by multipolar prewired cables with quick connection multipolar plugs.

Control boards have a frontal synoptic panel for every single UV-C lamp correct operativity control, equipped with a LED for each installed lamp.

Control boards can also be equipped with a PLC (optional) electronic control system and LCD viewer, which also expects hour counter, ignitions counter, single exhausted lamp and faulty lamp alarm, lamps automatic switching off in case of protections opening, delayed shutdown in case of machine stop and other features depending on application type.

UV-TEAM is completely made in Italy, with high quality and extremely resistant materials.

LIGHT PROGRESS