



UTUK G3+

UV chain curing system for integration
in chain conveyor systems

Key Features

UV curing system for hollow parts
transported on chain conveyor pins

Uniform all-round radiation of
cylindrical lateral surfaces

2 synchronously operated UV heads
(each max. 300 mm arc length)

In- and outfeed of the chain conveyor
optionally on the side or below

Easy accessibility for operation
and maintenance

Stepless active power control
(10 - 100%)

Individually configurable

Applications (examples)

Tube coating / tube painting

Decoration of bottle caps

Curing of plastic and aluminum sleeves

Options

Doped UV lamps
(to extend the spectral working range)

Ozone-free UV lamps

Painted in any RAL color

The UTUK G3+ is a customer-requested advancement of the third generation of the globally proven uviterno UV chain curing oven. It is employed for the uniform inline irradiation of cylindrical hollow bodies on transport chain pins (sleeves, tubes, or capsules).

Through the revised chain guidance within the radiation chamber, the irradiation time has been increased by over 30% compared to the previous version (UTUK G3). The assured uniform irradiation of the components across their entire surface is also guaranteed, even for very small hollow body diameters.

The irradiation intensity can be continuously adjusted from 10% to 100% using an electronic ballast unit and synchronized with the chain speed, ensuring an economical process.

The optimized geometry maintains symmetrical spacing to the two UV lamps for different tube diameters, thus creating uniform conditions for the hollow bodies to be irradiated.

In addition to an inspection window for monitoring whether any hollow bodies have fallen, a drawer for easy removal of such parts has also been incorporated.

The UTUK G3+ is compatible with previous models and can be integrated into customer-specific chain systems.

Specifications

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|-----------------------------------|----------------------|
| UV-Power | 2 x 4 kW |
| max. diameter of the hollow part* | 55 mm |
| max. irradiation width* | 300 mm |
| Power supply | 400/480 V, 50/60 Hz |
| Dimensions (w x h x l) | 1'144 x 846 x 986 mm |
| Gross weight | 255 kg |
| Ambient temperature | max. 40 °C |

* Other sizes on request

