

UVASPOT

Modular high intensity UV units

System-Features

- wide range of emission spectra
- irradiation for large surface areas possible

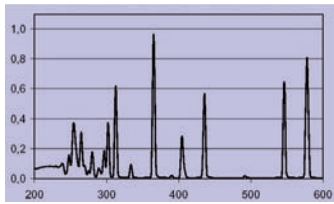
Advantages

- multi-functional

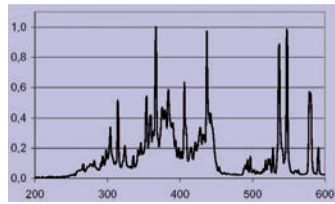
UVASPOT – Modular high intensity UV units

The UVASPOT ranges are modular high intensity UV units. They achieve very high uniformity throughout the irradiation field.

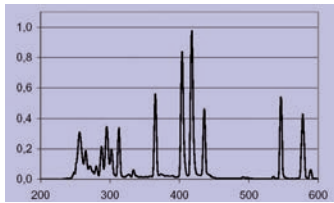
Through various lamp and filter configurations, spectra for applications in the range of UVA, UVB, UVC, VIS and black-light can be produced.



H-lamps



F-lamps



G-lamps

Standard spectra of the UVASPOT 400/T lamps (wavelength in nm, intensity in relative units)

With several units combined larger areas can be exposed with high UV efficiency and uniformity throughout the irradiation field. Even irradiation of extruded continuous products is possible. For this purpose the UVASPOT units are mounted in triangular or even hexagonal positions.



A separate power supply unit controls the lamp. In multiple lamp systems the power supply units can be integrated into a single switch cabinet.

UV unit consisting of 6 UVASPOT 400 / T

Examples of application

- curing of UV activated polyester resins and pottants (e. g. tanks, boxes, tubes, injection moulding and deep drawn components, repairs to metal and plastic components)
- bonding of glass, plastics and metal with UV curing adhesives (e. g. electronic, fine mechanical and optical components)
- curing of conformal coatings on printed circuit boards
- examination for UV resistance of colours, plastics, lacquers and coatings
- UV irradiation for chemical, biological and pharmaceutical research
- fluorescent examination of materials

	UVASPOT 400/T	UVASPOT 1000	UVASPOT 2000
supply voltage (other on request)	230 V / 50 Hz	230 V / 50 Hz	400 V / 50 Hz
power input	430 W	1000 W	2000 W
length	265 mm	397 mm	397 mm
width	222 mm	305 mm	305 mm
depth	220 mm (incl. filter plate)	343 mm (without cable)	343 mm (without cable)

Curing
Drying
Bonding
Potting
Measuring