

FLEXICURE

Flexicure has been specially developed to accelerate the curing process of UV adhesives for component bonding, sealing and protection. In seconds you can accomplish operations which take longer using conventional methods.

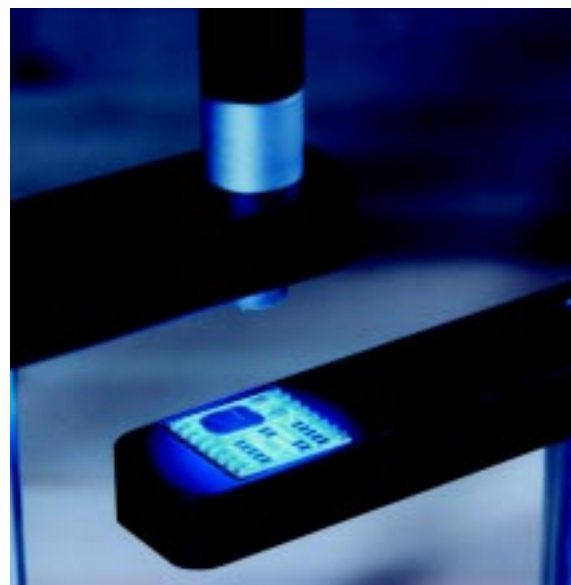
The intense UV radiation is emitted from a flexible light guide with directional properties enabling concentration of energy where it is most useful for curing.

Flexicure is available with one, two or three flexible outputs in active diameters of 3, 5 or 8mm in a variety of configurations. Electrically operated shutters accurately determine the exposure time either from the adjustable internal timer or from a programmed production control station or operator activated switch.

Advantages of UV adhesives include:-
 Improved productivity due to fast curing.
 Good adhesion to glass, metals and most plastics.
 Liquid formulation, hence no mixing required.
 More convenient than 2 pack thermally cured adhesives.
 Low processing temperature.
 Excellent moisture and solvent resistance.
 Accurate alignment in liquid phase before fast cure .
 Low volatile emissions.

FEATURES

Intense directional UV beam from flexible light guides.
 Flexible light guides give highly localised irradiation.
 Flexible light guides reach confined areas.
 Fast precision bonding - cures in seconds.
 Easy to use and control - portable.
 Adaptable for automatic operation and control.
 No heat - cool source rich in UVA.
 Adjustable timer to set exposure time.
 Available with one, two or three flexible light guide outputs.
 Choice of light guides with 3,5 or 8mm diameter.



APPLICATIONS

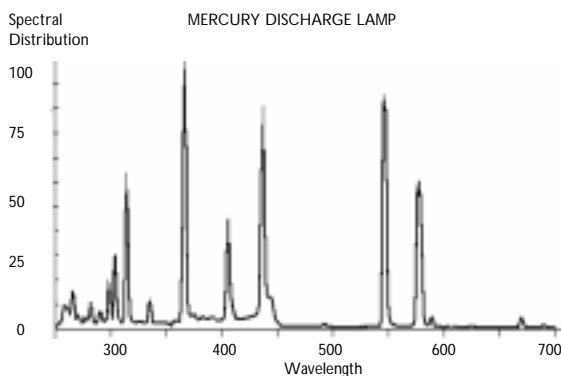
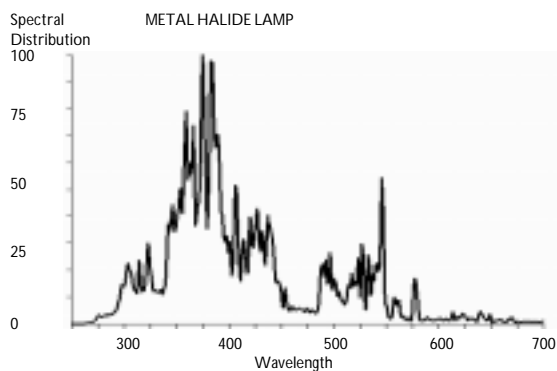
Wire tacking and coil termination.
 Lens assembly and optical component bonding.
 Optical fibre connections, tacking and splicing.
 Screw locking.
 Component fixing on PC Boards.
 Tamperproofing adjustable components.
 Repairs to PC Board sealing.
 Component sealing and protection.
 Potting and forming components.
 Bonding cover glasses to microscope slides, photo-diodes, filters, solar cells, etc.
 Jewellery manufacturing.
 Luminescence/Fluorescence Activation.
 Penetrant dye crack detection.

OPTIONS

Mercury discharge lamp options.
 Twin-timers/shutters.
 Light guide lengths ranging from 1m to 4m with diameter of 3,5 or 8mm.
 PLC Interfacing.
 Elapse time indicator.

ACCESSORIES

Filters to fit over guide tip to eliminate UVB and UVC.
 UV broad band filters for luminescence and fluorescence applications.
 Safety glasses and shield to protect user.
 UV power meter/Flexicure Power meter.
 Quartz lenses.



SPECIFICATION

Model No.	Flexible Light Guides and Active Diameters	Model No.	Flexible Light Guides and Active Diameters	Model No.	Flexible light guides and Active Diameters
UVLS201/3	1x3mm	UVLS202/3	2x3mm	UVLS203/3	3x3mm
UVLS201/5	1x5mm	UVLS202/5	2x5mm	UVLS203/5	3x5mm
UVLS201/8	1x8mm	UVLS202/8	2x8mm		

Each model is supplied with light guide(s), a pair of safety spectacles and a footswitch for remote operation.

Lamp	Medium pressure metal halide, ozone free, 750 hour life to 70% output, rich in UVA and UVB.
Cooling	Internal rotary fan
Light Guides	Non toxic liquid, filters out infra red radiation for cool source, angle of emission 56°. Normal length 1000mm, other lengths to order.
Exposure Control	Manual, remote or internal timer(s), controlling shutter in lamp house.
Timer Ranges	0-1, 0-5, 0-10, 0-100 sec./min./hr.
Run-up Time	4 minutes

Dimensions(mm)	W	H	D
	364	172	375

Accessories		
Flexicure Power Meter	Range	0 - 2000 mW.cm ²
	Peak Response	367nm
	Bandwidth	38nm

Filters		
	High Pass	305nm
	High Pass	320nm
	Band Pass	UVA
	Band Pass	UVB

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