

UV-LED Screen Exposure System for Direct to Screen

EXPOSE DTS UV-LED Screen Exposure system is designed specifically to compliment Computer to Screen systems such as the SPYDER II and FREESTyler.



EXPOSE DTS-UC

Under-counter version for FREESTyler DTS

EXPOSE *DTS* is available in two model variants: **EXPOSE DTS-UC** is an 'under the counter' version integrated into a custom stand for the FREESTyler.

EXPOSE DTS-XT is a hi-powered desktop flatbed version ideally suited for the SPYDER II. Both units are fitted with powerful and reliable UV-LED's. These are laid out in an array to provide an even spread of UV light across the screen. The LED's have been specifically selected to provide the ideal wavelength to work with most types of screen emulsion.

EXPOSE *DTS*

- Optimised UV LED's for:
Fast & Accurate Exposure
Longer Lamp Life
- No Glass or Vacuum:
Designed for Computer to Screen
- LCD Control Panel:
10 Memory Presets
Fully Automatic Operation
- Yellow Light:
Inspection Mode



EXPOSE DTS-XT

Hi-power Desktop model for SPYDER II

EXPOSE *DTS* supports screen frame sizes up to 43" x 31" (110 cms x 80 cms).

OPTIMISED FOR COMPUTER TO SCREEN



UV-LED Screen Exposure System for Direct to Screen

EXPOSE DTS

Optimised for Computer to Screen

Technical Specifications

Models:

EXPOSE DTS-UC Under-counter version
EXPOSE DTS-XT Hi-power Desktop version

Screen Size (maximum) 43"x31"
 110 cms x 80 cms

Exposure System UV-LED Bulbs - Full Array
 390 nm Wavelength

Power Options:

EXPOSE DTS-UC 5 Watt Bulbs
EXPOSE DTS-XT 10 Watt Bulbs

Power 1.15KW, AC220-230V

Environment 50-70% relative humidity

Temperature 68F-86F (20-30C)

Weight 242 lbs (110 Kg)

Dimensions (W x D x H) 37.6"x51"x41.5"
 955 mm x 1300 mm x 1050 mm
(EXPOSE DTS-UC)
 51"x39.4"x11.8"
 1300 mm x 1000 mm x 300 mm
(EXPOSE DTS-XT)



EXPOSE UV-LED's



DIGITAL CONTROLS

TYPICAL EXPOSURE TIMES...

EXPOSE DTS-UC

Pure Photopolymer : 30 sec to 1 minute
 Dual Cure & Diazo : 2 to 5 minutes

EXPOSE DTS-XT

Pure Photopolymer : < 30 sec
 Dual Cure & Diazo : 1 to 2 minutes

Speeds will vary depending on mesh counts and coating regimes.

The full array UV-LED's uses multiple rows of LED's to ensure full and consistent coverage of the Screen area.



Different types of emulsion use sensitizers that react to light at different wavelengths EXPOSE DTS uses UV-LED's that have a 'sweet spot' that is common to almost all types of emulsion sensitizer.



Adjustable Screen Holders
 (Desktop version)

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