

UV EXPOSURE UNITS

Low Cost UV Units

The steel cased LV models are the most cost effective UV units offered. The tubes are in the base which means the artwork has to be registered on the UV sensitive area and then placed face down onto the exposure area. Coloured black, each unit has a hinged lid containing a pressure pad which, when the lid is held closed by the two retaining clips, acts to force the artwork and sensitive material firmly together on the UV illuminated area. All controls are conveniently front mounted. The LV202-E has a six minute mechanical timer which also acts as the mains switch. When the control knob is rotated to the required time the power is turned on and the exposure commences. The timer clicks off as soon as the exposure is completed. The LV204 controls consist of a 0 – 500 second digital timer that is set with touch keys. The set time counts down during exposure and then flashes to indicate the exposure is complete. Both UVs come complete with IEC socket and moulded 13 amp plug.



Model	Working Area	Timer	UV Output	Dimensions	Weight
LV202-E	9 x 6.25" 229 x 159 mm	6 mins.	2 x 8W	420 x 175 x 90mm	4.0 KG
LV204	14 x 10.25" 356 x 260 mm	0-500 secs.	4 x 15W	515 x 400 x 120mm	14.0 KG

Low Profile Steel UVs



Two high quality pressure pad steel UV exposure units. All feature an advanced electronic timer and attractive low profile steel case. The timer on all models is controlled from a touch membrane control panel with digital display. The lids are raised and lowered with the assistance of internally fitted gas struts. A safety cut out device is fitted which prevents the tubes from operating when the lid is raised. Mains power on all units is introduced via a fused I.E.C. panel mounted socket, which incorporates a separate double pole ON/OFF miniature rocker switch. An electronic tube status indicator displays on the control panel that all the UV tubes are working. The same 0-999 second timer is included in both models. A digital display shows the time in one second intervals. Operation is very easy, set the time, close the lid and press the start button.

Exposure on the AX models starts immediately. During exposure the time counts down and when complete the display returns to its original setting, an exposure complete LED illuminates and a buzzer sounds for 2 to 3 seconds. The exposure completion indicating LED will remain on and the timer inactive until the lid is raised and lowered, or the unit is turned off and on. This acts as a fail safe against the possibility of double exposures. The two AX pressure pad units illustrated here have glass in the lid and a foam base. They are suitable for general purpose exposures where the image required does not contain the finest of detail. With the unit closed, the glass forces the artwork and material to be exposed together giving good consistent results. All units come complete with an IEC socket and moulded 13amp plug.



Model	Working Area	Timer	UV Output	Dimensions	Weight
AX304	13" x 14" 330 x 355 mm	0 - 999 Seconds	4 x 15 W	550 x 485 x 170mm	15.0 kg
AX315	13" x 14" 330 x 355 mm	Seconds	6 x 15 W	550 x 485 x 170mm	15.5 kg

Vacuum UV Units



For the ultimate in reproduction definition, a vacuum unit has to be the choice. Unlike the pressure pad units the AY series use a vacuum to ensure the artwork and material to be exposed are held in perfect contact. When fine tracks are required on a PCB or detailed definition on a graphic reproduction, an AY vacuum unit should be chosen. All the AY units now feature the latest rubber blanket and glass vacuum system for the ultimate exposure resolution. The time is then set via the touch membrane control panel and the start button pressed. This activates the integral vacuum pump which removes the air from the chamber ensuring perfect contact between artwork and material to be exposed. Only when a vacuum has been achieved will the tubes activate and the exposure commence. When completed the vacuum pump is turned off and a valve automatically releases the vacuum allowing the lid to be raised. All other features are common with the AX pressure pad units described opposite. All units come complete with an IEC socket and moulded 13 amp plug.

Model	Working Area*	Timer	UV Output	Dimensions	Weight
	13" x 14" 330 x 355mm	0 - 999 Seconds	6 x 15W	550 x 485 x 170mm	16.0 kg
AY321	13.8" x 21" 350 x 535mm	Seconds	6 x 20W	720 x 580 x 170mm	22.0 kg
AY360	22.6" x 26.8" 575 x 680mm	Seconds	10 x 20W	765 x 730 x 178mm	34.0 kg
†AY380	20.4" x 36.5" 520 x 927mm	Seconds	12 x 20W	890 x 1031 x 215mm	90.0 kg

* vacuum pip is 25mm diagonally in from top left corner of the exposure area.

† AY380 uses 'mylar' to create a vacuum - not rubber and glass.

AZ Double Sided Vacuum UV Units

A double sided vacuum UV is an essential tool for the production of double sided PCBs. The ability to expose both sides of the board at once eliminates the immense problem of artwork registration for two separate exposures on a single sided unit. The AZ units are similar to the AY range except that they have flexible mylar film in front of the tubes in the lid which closes onto a glass base beneath which is located another set of UV tubes. The units feature a switch to enable the bottom set of tubes to be turned off for single sided exposures. All three units are supplied complete with an IEC socket and moulded 13 amp plug.



Model	Working Area*	Timer	UV Output	Dimensions	Weight
	10.2" x 14" 260 x 355mm	0 - 999 Seconds	8 x 15W	550 x 485 x 170mm	16.0 kg
AZ220	13.8" x 21" 350 x 535mm	Seconds	12 x 20W	720 x 580 x 170mm	25.0 kg
AZ326	20.4" x 36.5" 520 x 927mm	Seconds	24 x 20W	890 x 1031 x 215mm	60.0 kg

* vacuum pip is 25mm diagonally in from top left corner of the exposure area.