

Topics of the month: How does the UV-C exposure detack plates?**=Facts=**

The wave length of UV-C light is shorter than that of the light used for main exposure (UV-A). Photopolymer plate reacts to this light, and proceeds with the cross-linkage further especially at the surface of plate. As a result, the plate surface becomes tack-free.

=Related Information=

UV-C exposure was invented by Asahi Kasei Chemicals in early '80s. Before that, to remove the tackiness of plates, plate must be dipped into chlorinated solvents.

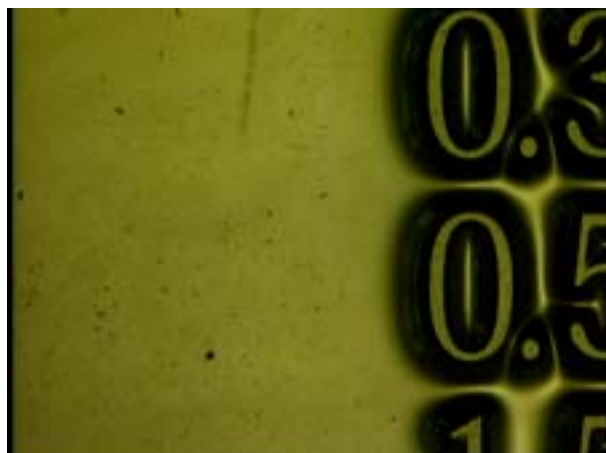
In these days, the UV-C exposure has been used all over the world as a standard procedure for detacking.

=Remarks=

- 1) By exposing UV-C light, mechanical strength of plate surface is affected. That means excessive exposure of UV-C would influence the durability of plates, and would bring "cracking" problem in the worst case.

Accordingly, it is very important to give an appropriate amount of UV-C exposure. Please ask your distributor to check it for you, because it depends on the lamp condition of each machine.

Please refer to the following pictures.

Normal exposure of UVC**Over exposure of UVC**

- 2) The UV-C light also influences human bodies. Especially, it gives a serious damage to naked eyes.

For maintenance activity of machines equipped with UV-C lamps, please put on protective glasses, and prevent from seeing the light directly.

Protective glasses