



## SLA - How it works

SLA technology uses Ultra Violet light to solidify light sensitive liquid epoxy resin. The UV laser is directed by a computer guided mirror, which only hardens the resin it touches. The model is built layer by layer, at generally 0.1mm thickness.

Each layer is applied by submersion of the Build Plate into the Resin Tank, and controlled to the correct thickness by a sweep of the paddle. The model gradually drops below the surface of the resin as it is built, and is kept off the build platform by a support structure.

This is built in the same way, prior to building the first layer of the actual model. The finished model is then cut away from the platform and the uncured liquid resin washed off.