

## FORM 2 & 3 PRINTER Laser Modeling – Clear (MD-R001CR)

### Check:

- UV optical pathways are clean
- Vat is free of defect
- Resin is well shakened

### Open Mode (Form2):

Printer at idle

1. Tap touchscreen “Gear” icon, open “Settings” menu
2. Select Open Mode
3. Select On

### Cartridge (Form2 & 3):

Refill corresponding cartridge e.g. FormLabs Clear v4 cartridge. Open air vent, turn cartridge upside down, drip dry through air vent for 10 mins to avoid cross contamination, refill, shake well for 2 mins, insert & print (may work up to 2 refills before locked by FL software).

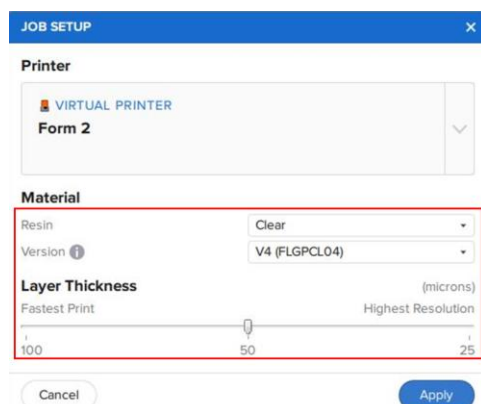
**Warning:** Cross contamination of resins could cause size inaccuracy or wavy line.

### PreForm Setting:

Select Printer: Form2 or Form3

Material Select: **Clear V4(FLGPCL04)**

Suggest Layer Thickness 100~25



### Washing:

IPA 95%, maximum for up to 5 minutes, gently shake-off / blow-off excess IPA quickly, set print in a shaded airy place to dry completely before curing.

Extended time in IPA causes deformation. Dried print might be a little tacky to touch.

### Post-curing:

For optimal material performance:

**FormCure: 60°C / 30 mins.**

Other Light Power: 385~405nm

Light Power (mW/cm <sup>2</sup> )	Curing Time (min)
3 (suggested)	33
10	10
15	6.5

Maintain curing chamber temperature between: 50~60°C / 122~140°F

Light Power is the amount of energy strength received on the curing object surface, power strength decreases as the distance between light to curing object increases (NOT stated light power output on the device). Adjust curing time accordingly.

Slight yellowing after post cure will subside in a few days. Thick wall objects have more yellowing effect.

**Note:** To minimize yellowing, avoid high power UV light for post-curing.

### Storage

Clear Resin is not recommended to leave in the vat (general or LT) for more than one day.

Filter out all debris in case of failed print.