

# Other Useful Equipment for Resin Printing

These things can ease aspects of the resin printing process and make them more convenient

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## Syringe

- Any Syringe that is 50ml or larger would be great for adding or removing resin from a build vat
  - I used a short (~1" or 25mm) piece of silicone rubber tubing attached to the syringe, makes a soft non-marring tip to prevent damaging the build surface
  - When vat gets closer to empty, tilt the VAT and only touch the build surface in the corner with the rubber tube



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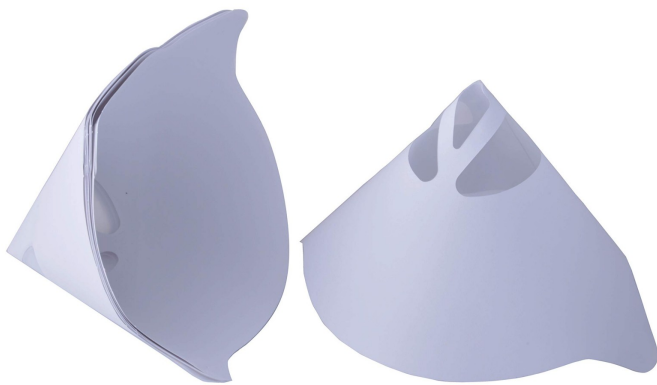
## Filters

- Anytime resin is being poured back into its original bottle, it **MUST** be filtered
  - This catches any pieces of cured resin that might have broken loose in the vat

- Better to filter every time resin is bottled than to break something when a scrap gets in the wrong place
- **Do NOT use paper Coffee Filters** ...unless spending weeks filtering resin sounds like fun?

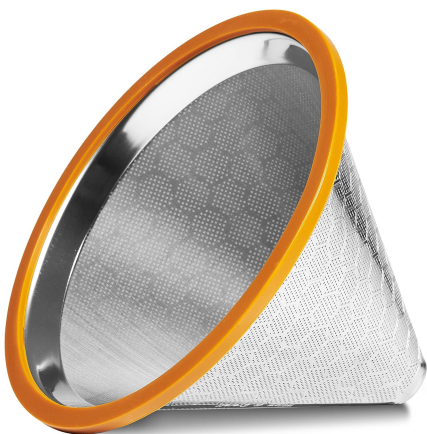
- Disposable Paper paint filters

- Convenient because they are disposable, no cleaning filters
- Can be picked up at any Home Improvement or Paint store
- Would be an added operating cost, but ~\$30USD for 1000 filters is quite affordable
- Larger mesh sizes (Lower mesh numbers) are faster for thick resins



- Reusable Metal/Plastic mesh filters

- These are more of a pain, since they **MUST** be cleaned EVERY time!
- I chose a re-usable stainless steel coffee filter, but the ultrafine mesh makes filtering **super slow!**
- Now considering the move back to paper filters; *I don't like washing dishes either...*



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## Non-UV lighting

- Both Incandescent and Fluorescent lights produce small amounts of UV light
- A 4 pack of these lights costs roughly the same as a good bottle of resin... *Bright lights everywhere!*
- UV sensitive resin is not affected by White LED lights; these don't produce radiation in the UV spectrum, that costs extra!
- I chose to install some cheap 4ft LED shop light fixtures from Amazon @ ~\$10 each
  - <https://www.amazon.com/gp/product/B07TM97LWY>



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