

UV Curing Chambers for Resin Prints

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | 3D Printing, Laser & CNC

A UV curing chamber exposes washed resin prints to controlled ultraviolet light, finishing the curing process so parts reach full strength and a dry surface. Combined with the wash station it completes the resin printing workflow after the print finishes.

Key Features

- UV LED turntables rotate prints evenly
- Cure times of 1-10 minutes typical
- Sizes up to 200 x 200 mm prints
- Turntables and reflective interiors
- Timer and windowed lids

Typical Uses in the Workshop

- Cure washed SLA prints to full strength
- Finish casts, masters and models
- Post-cure small production parts
- Dry and harden repair resins

Safe Operation

1. Wash and dry the print first
2. Place the print on the turntable
3. Set the timer for the resin's recommended time
4. Cure in stages for thick parts
5. Flip and repeat for all surfaces

SAFETY NOTES

- UV light is harmful to eyes and skin - keep the lid closed
- Do not look directly at the LEDs
- Wear gloves when handling uncured prints
- Keep the chamber out of reach of children
- Use in a ventilated area against fumes

Maintenance & Consumables

- Wipe the chamber interior clean
- Check the turntable rotates freely
- Replace UV LEDs when outputs fade
- Clean the window of resin film
- Keep the timer and switch working

Specification & Buying Notes

A wash-and-cure combo unit saves bench space and money. Choose a chamber that fits the largest prints with a timer and turntable. Quality UV LEDs cure evenly - cheap units cure patches.