

Creality K2 Pro Slicer Settings & 27-STL Master Vault Catalog

Watertight One-Piece STL Geometry + Parametric OpenSCAD (.scad) Customizers • Flat Bed Orientation • Zero Supports Required

1. RECOMMENDED HIGH-SPEED FDM SLICER SETTINGS TABLE (CREALITY K2 PRO & 220x220 MM COREXY / BED-SLINGER)

NOZZLE & LINE WIDTH
0.4 mm Nozzle (0.42 mm outer wall)

LAYER HEIGHT
0.20 mm Standard (0.24 mm Draft)

WALL LOOPS / PERIMETERS
3 Wall Loops (1.2 mm shell thickness)

TOP / BOTTOM SHELLS
4 Top / 4 Bottom Solid Layers (0.8 mm)

INFILL DENSITY & PATTERN
15%–20% Gyroid or Grid Infill

SUPPORTS & BRIM
0 Supports Required • No Brim Needed

BUILD PLATE ORIENTATION
Flat Base Down on Build Plate (1-Piece)

HIGH-SPEED COREXY SPEED
250–300 mm/s Infill • 150 mm/s Outer Wall

FILAMENT TEMPERATURE & COOLING PROFILES (PLA / PETG / ABS)

PLA / Matte PLA (Tabletop Caddies & Trays): Nozzle: 210–220 °C | Bed: 55–60 °C | Part Cooling Fan: 100% | Chamber: Open/Vent
PETG (Snap-On Desk C-Clamps & Flex Hooks): Nozzle: 235–245 °C | Bed: 70–80 °C | Part Cooling Fan: 40–60% | Extra Clamping Spring
ABS / ASA (High-Temp Soldering & Lab Docks): Nozzle: 250–260 °C | Bed: 95–105 °C | Part Cooling Fan: 10–25% | Enclosed Chamber 45 °C

2. SINGLE DOWNLOAD VS. COMPLETE MASTER STL + OPENSCAD VAULT (20% OFF BUNDLE UPGRADE)

Tier / Package Option	Included STL & OpenSCAD Files	Individual Value	20% OFF Promo Price	Where to Unlock Instantly
Free Funnel Sample (#12 or #18)	1 Single STL + 1 OpenSCAD (.scad) File	\$0.00 Free Sample	\$0.00 Included Here	Included in this download folder
Cults3D Master STL Vault (#31)	25 One-Piece STLs + 20 Parametric .scad Files	\$59.00+ Separate	\$19.99 (20% OFF Sale)	cults3d.com — Master Vault #31
Etsy All-In Master Vault (#12)	25 One-Piece STLs + 20 .scad + Print Guide	\$59.00+ Separate	\$7.20 w/ VAULT20SALE	etsy.com/listing/4602684874?coupon=VAULT20SALE

3. COMPLETE 27-STL STUDIO, ELECTRONICS & MAKER DESK CATALOG (100% SUPPORT-FREE ONE-PIECE PRINTS)

Every model below prints flat in one piece with zero supports on any 220x220 mm build plate. Parametric OpenSCAD (.scad) source files let you customize clamp/slot widths.

ID	Model Name & Studio / Workbench Function	Watertight STL Filename	Footprint	Format	CoreXY Est.
#01	830-Pt Breadboard & Dev-Board Lab Dock	sbc-breadboard-maker-lab-dock.stl	174x112x42 mm	.scad + STL	~146g / 2.5h
#02	Soldering Fume Extractor (120mm) & Flux Station	soldering-fume-fan-flux-bench-station.stl	168x104x52 mm	.scad + STL	~153g / 2.6h
#03	Digital Multimeter, Test Probe & 9V Bench Caddy	multimeter-probe-bench-caddy.stl	162x96x54 mm	.scad + STL	~180g / 3.0h
#04	Soldering Iron, Solder Spool & Brass Tip Dock	soldering-workbench-dock.stl	168x108x48 mm	.scad + STL	~172g / 2.9h
#05	3D Printer Nozzle (24x M6), Scraper & Hex Dock	printer-tool-dock.stl	164x98x42 mm	.scad + STL	~148g / 2.5h
#06	Precision Screwdriver & 32-Slot 4mm Bit Dock	precision-driver-dock.stl	160x96x44 mm	.scad + STL	~152g / 2.6h
#07	Digital Caliper, Steel Ruler, Hex Bit & Pen Stand	caliper-pen-holder.stl	148x88x52 mm	.scad + STL	~118g / 2.0h
#08	Modular 42mm Grid Stepped Paint & Brush Rack	paint-brush-rack.stl	168x126x54 mm	.scad + STL	~164g / 2.8h
#09	Modular 42mm Grid 32-Slot SD, MicroSD & USB Vault	sd-usb-media-vault-32.stl	126x84x34 mm	.scad + STL	~121g / 2.1h
#10	Modular 42mm Grid Soldering Tip & Heatshrink Tray	grid-42mm-soldering-tip-brass-heatshrink-tray.stl	126x84x36 mm	.scad + STL	~114g / 1.9h
#11	Under-Monitor SD, MicroSD, USB-C & Dongle Dock	usb-sd-dongle-dock.stl	152x72x28 mm	.scad + STL	~86g / 1.5h
#12	24-Slot AA, AAA & CR2032 Battery Organizer Caddy	battery-dispenser-caddy.stl [FREE FUNNEL]	156x94x46 mm	.scad + STL	~158g / 2.7h
#13	Snap-On Monitor Top Shelf (14-28 mm Bezel Clip)	monitor-top-shelf.stl	160x88x36 mm	.scad + STL	~109g / 1.8h
#14	Snap-On Monitor Top Webcam, Light Bar & Mic Shelf	webcam-lightbar-mic-cable-shelf.stl	168x92x38 mm	.scad + STL	~119g / 2.0h
#15	Under-Monitor Soundbar, USB-C Hub & DAC Riser	under-monitor-hub-shelf.stl	176x104x44 mm	.scad + STL	~156g / 2.6h
#16	Snap-On Desk-Edge Coiled Aviator & XLR Audio Clip	aviator-cable-audio-xlr-desk-clip.stl	156x86x42 mm	.scad + STL	~135g / 2.3h
#17	Under-Desk VR Controller & Studio Headphone Hook	under-desk-vr-controller-headphone-hook.stl	148x94x46 mm	.scad + STL	~141g / 2.4h
#18	One-Piece Desk-Edge 7-Slot Cable Comb & Clamp	desk-cable-comb.stl [FREE FUNNEL]	154x68x36 mm	.scad + STL	~92g / 1.6h
#19	Laptop Power Brick, Charger Block & Cable Cradle	power-brick-cable-tidy-cradle.stl	164x92x44 mm	.scad + STL	~132g / 2.2h
#20	Desk-Edge Dual USB-C Hub & SD Card Reader Clip	desk-edge-dual-usb-c-hub-sd-dongle-clip.stl	144x74x38 mm	.scad + STL	~96g / 1.6h
#21	Under-Desk Headphone & Coiled Cable Hanger Clamp	headphone-cable-hanger.stl	138x78x44 mm	.scad + STL	~104g / 1.8h
#22	Snap-On Desk-Edge 3-Slot Cable Clip & Hook	desk-edge-cable-clip.stl	112x64x34 mm	.scad + STL	~69g / 1.2h
#23	Dual-Slot Clamshell Laptop / Ultrabook Stand	laptop-vertical-stand.stl	168x96x58 mm	.scad + STL	~162g / 2.7h
#24	4-Slot Stepped Desk Mail & Envelope Sorter	mail-sorter.stl	165x95x62 mm	1-Piece STL	~134g / 2.3h
#25	3x3 in Sticky Note Pad & Pen Riser Desk Tray	note-pen-riser.stl	142x102x32 mm	1-Piece STL	~98g / 1.7h
#26	5-Channel Weighted Desk Cable Anchor (5-11 mm)	cable-anchor.stl	118x58x28 mm	1-Piece STL	~74g / 1.3h
#27	6-Pocket Two-Row Remote & Gadget Desk Caddy	remote-caddy.stl + tea-spoon-rest.stl	162x106x64 mm	.scad + STL	~154g / 2.6h

4. UNLOCK THE COMPLETE MASTER VAULT INSTANTLY (CLICK ANY LINK BELOW — 20% OFF ACTIVE NOW)

CULTS3D MASTER VAULT (#31) — 20% OFF SALE (\$19.99 FOR ALL 25 STLs + 20 OPENSCAD FILES):

<https://cults3d.com/en/3d-model/tool/all-in-25-piece-complete-studio-electronics-maker-desk-master-vault-25-stls>

ETSY MASTER VAULT (#12) — 20% OFF (\$7.20 w/ Code VAULT20SALE):

<https://www.etsy.com/listing/4602684874?coupon=VAULT20SALE>

FREE 3D PRINT MARGIN & STL HUB:

<https://mystiquelab.dev>