

V-King Build Price Estimate

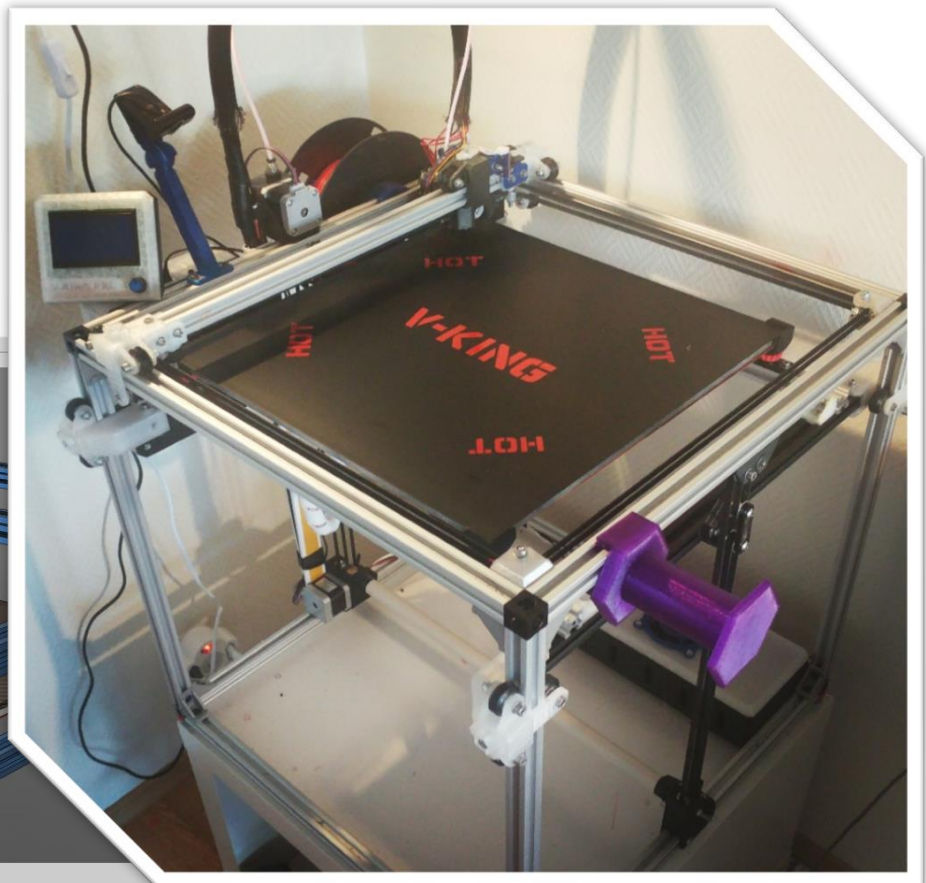
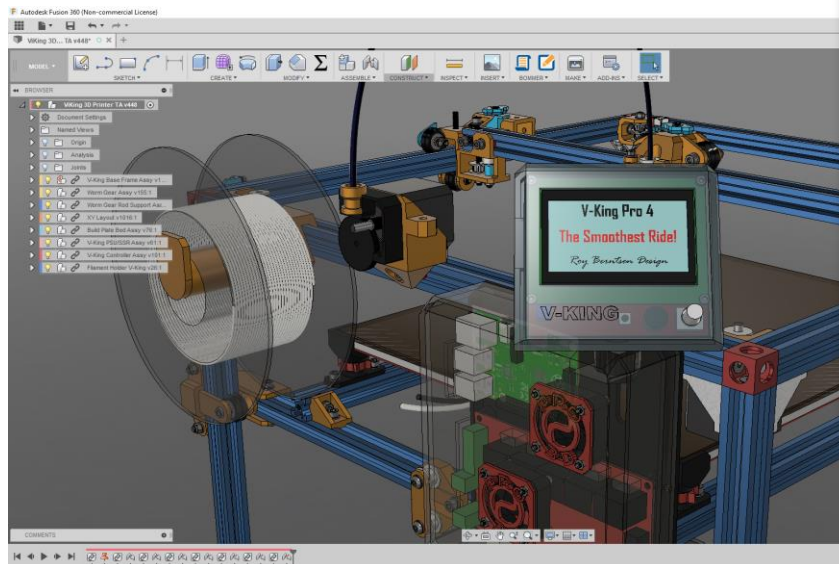
340x390x350 Build Volume

<https://www.facebook.com/vking3d/>

Hardware Standard Price:	EUR 267
Fastners Standard Retail Price:	EUR 85
Part Build Plate Example Price:	EUR 60
Components Example Price:	EUR 163
Sub Total Example Price	EUR 575

Research - Development & Design by:

Roy Berntsen



List of Hardware

Part Number	Description	Quantity	Order Quantity	Vendor Price	Total Price	Material	Supplier
2020 V-Slot 480	X-Axis V-Slot 480 mm	1	1	EUR 5.00	EUR 5.00	Aluminum	Ratrig
2020 V-Slot 500	V-Slot Profile 500 mm	16	16	EUR 5.00	EUR 80.00	Aluminum	Ratrig
2820 L Bracket	2820 L Brackets	16	16	EUR 0.50	EUR 8.00	Aluminum	Ratrig/AliExpress
3 Way V-Slot Corner	3 way Corner brackets	8	8	EUR 3.00	EUR 24.00	Aluminum	Ratrig
V-Slot Big Wheels	V-Slot Big Wheels	21	21	EUR 2.50	EUR 52.50	Delrin	Ratrig
Worm Gear 1:20	20:1 Worm Gear	1	1	EUR 20.00	EUR 20.00	Steel	AliExpress
Worm Rod 5mm X 565mm	Rod for WormGear	1	1	EUR 10.00	EUR 10.00	Steel	-
Bearing 5-16-5	Bearing for Worm Gear Rod	4	10	EUR 0.50	EUR 5.00	Steel	Ratrig/AliExpress
GT2 Motor Pulley 20T	Motor Pulley for GT2 Belt	4	4	EUR 4.00	EUR 16.00	Aluminum	Ratrig/Powge
GT2 Pulley 20NT	Smooth Pulley	6	6	EUR 4.00	EUR 24.00	Aluminum	Powge/AliExpress
GT2 Pulley Idler 20T	Thoothed Idler Pulley	6	6	EUR 2.00	EUR 12.00	Aluminum	Powge/AliExpress
GT2 Belt Reinforced	GT2 Reinforced Rubber Belt	10	10	EUR 1.00	EUR 10.00	Rubber	AliExpress
<u>HARDWARE STANDARD RETAIL PRICE</u>					<u>EUR 266.50</u>		

Additional HW		Quantity		Your Price	Total Price	Material	Supplier
Build Plate	350x400x6mm Aluminum	1	1	EUR 40.00	EUR 40.00	Aluminum	ebay
Glass Plate	350*400*4mm	1	1	EUR 20.00	EUR 20.00	Glass	Local
Print Surface	350*400	1	1		EUR 0.00	NA	-
Total Additional HW Price					EUR 60.00		

List of Fastners

Part Number	Description	Quantity	Order Quantity	Vendor Price	Total Price	Supplier	Material
M3 Lock Nut	Nylon Lock Nut M3	3	10	EUR 0.10	EUR 1.00		Steel
M3 NUT	Standard Nut M3	6	10	EUR 0.10	EUR 1.00		Steel
M3 WASHER	Standard Washer M3	10	10	EUR 0.10	EUR 1.00		Steel
M3x12	DIN 912	4	10	EUR 0.10	EUR 1.00		Steel
M3X25	DIN 912	4	10	EUR 0.10	EUR 1.00		Steel
M3x8	DIN 912	14	20	EUR 0.10	EUR 2.00		Steel
M4 NUT	DIN 912	1	10	EUR 0.10	EUR 1.00		Steel
M4 WASHER	DIN 912	3	10	EUR 0.10	EUR 1.00		Steel
M4x16	DIN 912	1	10	EUR 0.10	EUR 1.00		Steel
M4x20	DIN 912	1	10	EUR 0.10	EUR 1.00		Steel
M5 8OD Shim	V-Wheel Shim	65	75	EUR 0.10	EUR 7.50		Steel
M5 Nut	Standard Nut M5	11	20	EUR 0.10	EUR 2.00		Steel
M5 Nut lock	Nylon Lock Nut M5	33	40	EUR 0.10	EUR 4.00		Steel
M5 T-Nut with Spring Ball	Spring Drop In T-Nut M5	21	50	EUR 0.10	EUR 5.00		Steel
M5 T-Nut Open Builds	OpenBuilds Tee Nut M5	16	25	EUR 0.20	EUR 5.00		Steel
M5 T-Nut Square	T-Nut Sqare M5	54	75	EUR 0.20	EUR 15.00		Steel
M5 WASHER	Standard Washer M5	140	150	EUR 0.10	EUR 15.00		Steel
M5x10	DIN 912	87	100	EUR 0.10	EUR 10.00		Steel
M5x12	DIN 912	4	10	EUR 0.10	EUR 1.00		Steel
M5x20 Hex	Hex Head	11	20	EUR 0.10	EUR 2.00		Steel
M5X25	DIN 912	4	10	EUR 0.10	EUR 1.00		Steel
M5x30	DIN 912	19	20	EUR 0.10	EUR 2.00		Steel
M5x35	DIN 912	4	10	EUR 0.10	EUR 1.00		Steel
M5x35 HEX	Hex Head	4	10	EUR 0.10	EUR 1.00		Steel
M5x8 Countersink	Countersink Screw	24	25	EUR 0.10	EUR 2.50		Steel

FASTNERS STANDARD RETAIL PRICE

EUR 85

List of Components

Component Type	Description	Quantity	Order Quantity	Example Price	Total Example Price	Supplier	Material
Stepper Motor	Nema 17 Stepper motor	4	4	EUR 8.00	EUR 32.00		
Controller Board	Printer Controller	1	1	EUR 20.00	EUR 20.00		
Stepper Drivers	Stepper Drivers	4	4	EUR 2.50	EUR 10.00		
Extruder	Filament Extruder	1	1	EUR 10.00	EUR 10.00		
Hotend	e3d V6 J-Head Type Hotend	1	1	EUR 10.00	EUR 10.00		
Endstops	XY Endstop Sensors	2	2	EUR 1.00	EUR 2.00		
ABL Probe	Auto Bed Leveling Probe	1	1	EUR 10.00	EUR 10.00		
Power Supply	24/12V 240W-600W PSU	1	1	EUR 20.00	EUR 20.00		
Build Plate Heater	Heating Element for buildplate	1	1	EUR 25.00	EUR 25.00		
SSR for AC Heater - Option	Optional Solid State Relay	1	1	EUR 4.00	EUR 4.00		
Fans	PSU and Controller Cooler	2	2	EUR 10.00	EUR 20.00		
<u>COMPONENTS EXAMPLE PRICE</u>					<u>EUR 163.00</u>		

List of Parts to Print

Part Number	Description	Quantity	Material
Bed Belt Idler Bracket	Bracket for Z belt idlers	2	CPE, PETG, PLA
Bed Belt Idler Support	Support for Z belt idlers	2	CPE, PETG, PLA
Bed Corner Support Bottom	Bracket for build plate lower	4	CPE, PETG, PLA
Bed Corner Support Top	Build plate corner support	4	CPE, PETG, PLA
Bed Corner Thumb Screw	Adjustment screw for build plate	4	CPE, PETG, PLA
Bed Profile L Bracket	Connector for Bed Assy Profiles	4	CPE, PETG, PLA
BL Touch Shim Spacer	Distance module for BL Touch	1	CPE, PETG, PLA
EndStop X Bracket	EndStop X Bracket	1	CPE, PETG, PLA
EndStop X Stop	Optical X End STOP	1	CPE, PETG, PLA
EndStop Y Bracket	EndStop Y Bracket	1	CPE, PETG, PLA
EndStop Y Stop	Optical Y End STOP	1	CPE, PETG, PLA
Idler X Bracket	Bracket for X Idler Pulleys	2	CPE, PETG, PLA
Idler X Spacer 6-8	Spacer for belt idler Pulleys	2	CPE, PETG, PLA
Titan Extruder Bowden Bracket	Titan Extruder Bowden Mount	1	CPE, PETG, PLA
V-Slide Belt Lock X Lower	Belt lock for X carrier lower	2	CPE, PETG, PLA
V-Slide Belt Lock X Upper	Belt lock for X carrier Upper	2	CPE, PETG, PLA
V-Slide Fork	Fork For V-Sliders	7	CPE, PETG, PLA
V-Slide Hotend Clamp	e3d Heatsink Lock Clamp	1	CPE, PETG, PLA
V-Slide ThumbScrew M5	Thumb Screw for V-Slider Fork	7	CPE, PETG, PLA
V-Slide X Top	X-Carrier Top Slide	1	CPE, PETG, PLA
V-Slide Y Top	Y Axis Top Slide	2	CPE, PETG, PLA
V-Slide Z Top	Z Axis Slider	4	CPE, PETG, PLA
Worm Gear Bracket	Worm Gear Drive bracket	1	CPE, PETG, PLA
Worm Gear Rod Support	Worm Gear Rod Support Bracket	1	CPE, PETG, PLA
XY Idler Pulley Corner Bracket	Idler Pulley Corner Brackets	2	CPE, PETG, PLA
XY Motor Corner Bracket	Nema Motor Corner Bracket	2	CPE, PETG, PLA
Z Belt Anchor M	Belt Anchor Motor side	1	CPE, PETG, PLA
Z Belt Anchor R	Belt Anchor Rod Support side	1	CPE, PETG, PLA
Z Belt Lock M	Belt lock motor side	1	CPE, PETG, PLA
Z Belt Lock R	Belt lock rod support side	1	CPE, PETG, PLA
Z Belt Top Belt Lock	Top belt anchor lock	2	CPE, PETG, PLA
Z Belt Top Pulley Bracket M	Top belt anchor motor side	1	CPE, PETG, PLA
Z Belt Top Pulley Bracket R	Top belt anchor rod support side	1	CPE, PETG, PLA
<u>Printed parts Number</u>		<u>70</u>	