SPECIFICATIONS A3D "Mirage" V0.2:

	DESCRIPTION		Siboor V0.2 (Base Kit)	A3D "Mirage" V0.2	REMARKS
Printed Parts	Material	Main	ABS (Sunlu Black & White)	ABS (Base + Polymaker Polylite™ Black & Grey)	
		Others	Clear PETG	Clear PETG, Clear ABS Like Resin, PLA+ Red	
Main Body and Structure	Mass		-	≈ 8 kg	W/ 1kg filament spool
	Overall Size (L x W x H)	No Spool	$350.5 \times 242.1 \times 385.6 \text{ mm}^3$	$371.6 \times 270.8 \times 417.6 \text{ mm}^3$	Size increase
		With Spool	$350.5 \times 328.6(W_S) \times 385.6 \text{ mm}^3$	$371.6 \times 342.9(W_S) \times 417.6 \text{ mm}^3$	REF spool size: Ø200mm x 68mm
		Folded SH*	-	$287.8(L_{SH}) \times 270.8 \times 417.6 \text{ mm}^3$	*SH = Spool holder
	Printing Size (X x Y x Z)		$120 \times 120 \times 120 \text{ mm}^3$ (Voron Spec)	$119 \times 114 \times 119 \text{ mm}^3$ (Confirmed Actual)	Excluded priming area:
	Panels	Frame	Polycarbonate (PC)	←	
		Tophat		Acrylic	See "Tophat" note
	Tophat		Stock	Removable & taller w/ "LazyCams" lock	Height Increased by 32 mm
	A/B Motor Mounts		Single shear	Dual shear	
	Controller Backplate		Bolted PC panel	Magnetic mount w/ accessories	USB C port and board cooling fan
	Board Cooling Fan		3010 Axial (Siboor)	8010 Axial (Generic)	24V
	Fil. Path & Switch		Feet to motorplate w/ fil. switch	Rear filament path w/ fil. switch	Custom URBI
	Spool Holder		Stock	Foldable w/ bearings	
Toolhead	Body		Mini Stealth Burner (SB)	Custom Dragon Burner	Custom shape
	Extruder		Integrated to Mini SB, BMG	Custom Wristwatch BMG	UM2 PTFE connector
	Fans	Part Cooling	2x Siboor 3010 Radial	2x GDSTime 4010 Highflow Radial	24V
		Hotend	Siboor 3010 Axial	←	
	Toolhead Board	PCB	V0 Umbilical	Mellow FLY-SHT36 V3	Built-in LIS2DW accelerometer
		Connection	Direct wiring	CAN Bus & cable with flexible gland	
	Accessories	Lighting	Nozzle: 2 x White LED	Nozzle: 2 x Neopixel RGBW Signal Logo: Neopixel RGBW	
		Probe mount	-	Magnetic	Zero-Click
Z Homing			Bottom Z switch (Stock)	Servo-deployed Zero-Click probe (Revised bottom switch function)	Servo: Tower Pro MGS90 Switch: D2F-01
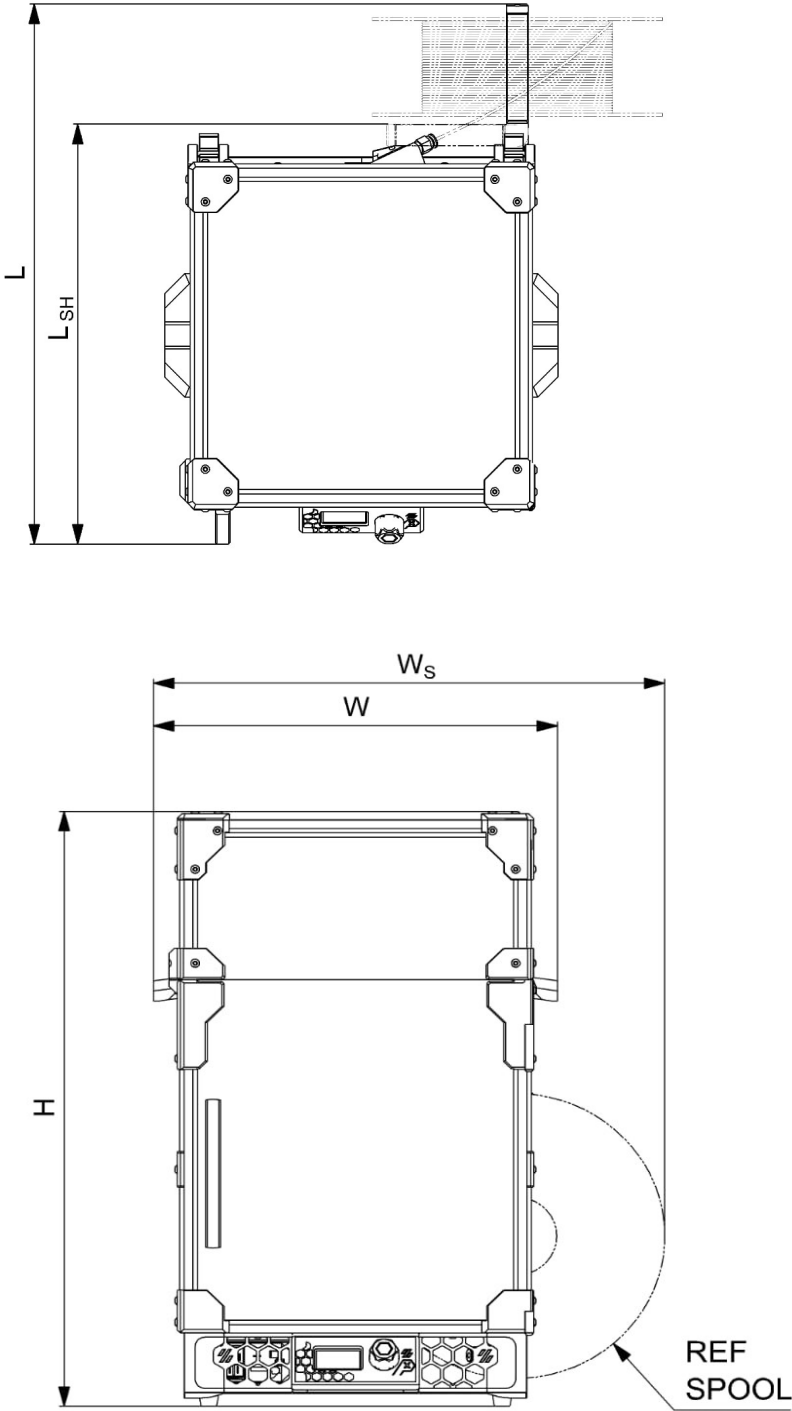
ADDITIONAL FUNCTIONS/ACCESSORIES	
DESCRIPTION	**SENSOR/DEVICE**
Chamber temperature monitoring	Generic NTC100k
Chamber lighting	2x 158mm RGB Rainbow on a Matchstick
Camera w/ custom magnetic mount	OV9726 Camera
Recirculating air filter (Remixed "MF Nano Remix")	Generic Highflow 5015 Radial Fan
Purge bucket w/ magnetic mount	
Front brace w/ integrated door magnets	
Low profile side handles	
Electronics side covers and cable management	USB and USB C extension cables; 90 degree USB 3.0 adapter

Software Notes:

Custom UI Display and Interface Commands

Custom Macros for Tuning, LED Signals & Control, and Maintenance

Custom and Optimized Klipper Configuration

Custom Orca Slicer Printer Profile