

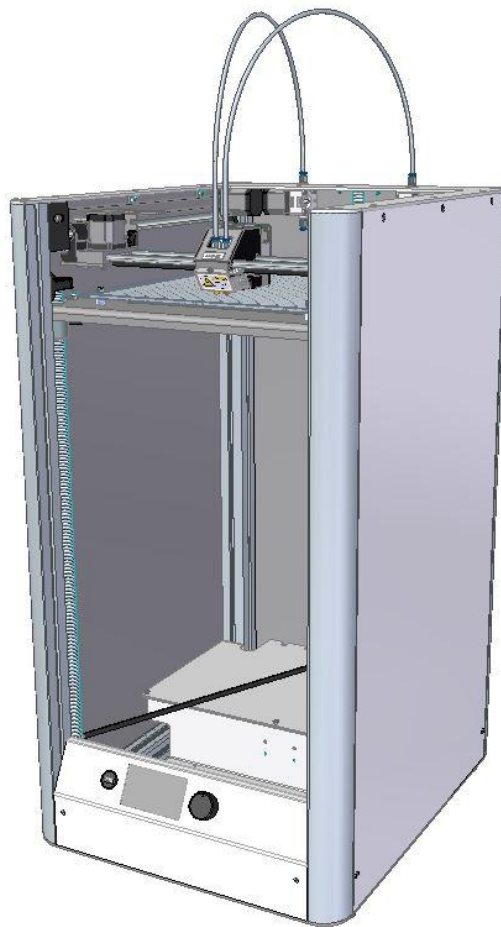


Leapfrog Creatr HS XL

3-spindle design (V1)

DATASHEET

V01-06

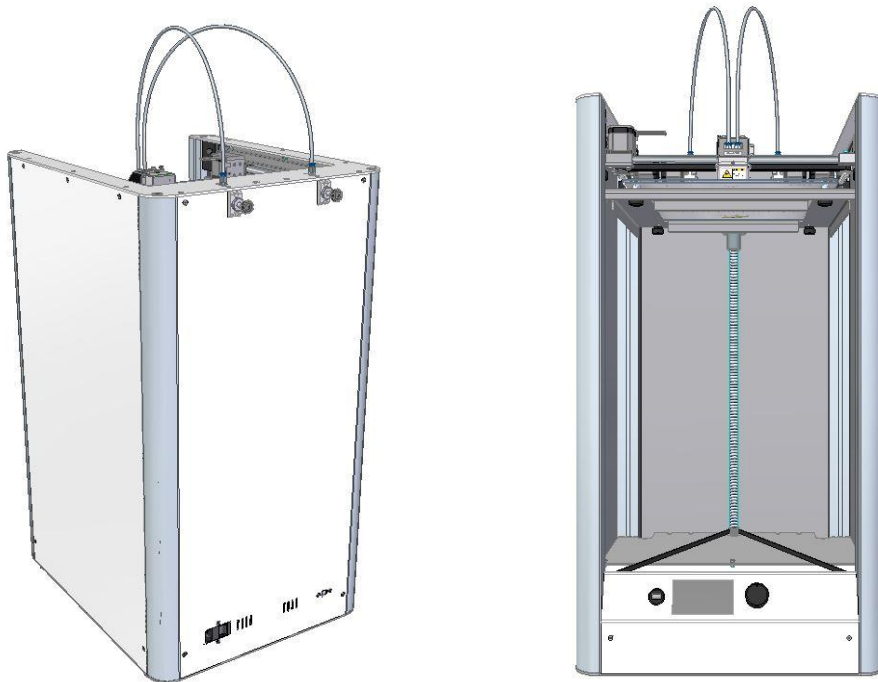
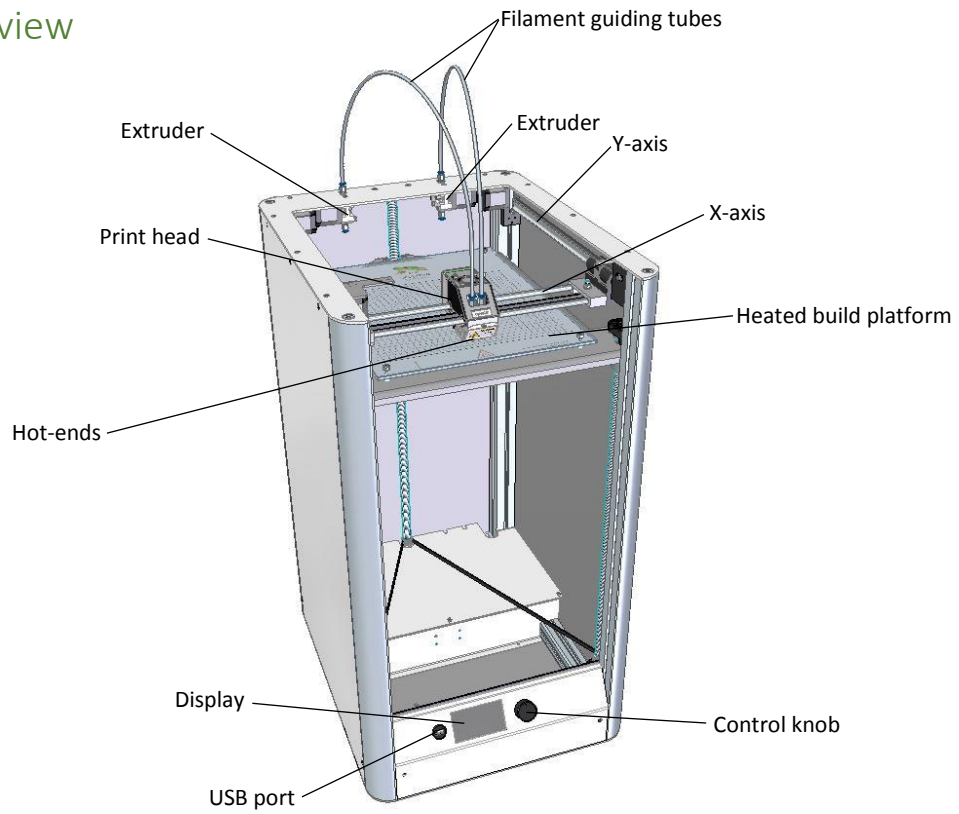


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1. Overview



2. Technical specifications

Specification	Metric						Imperial							
Physical dimensions (DWH)	633	x	486	x	930	mm	25	x	19	x	37	inch		
Printer Weight	37						kg	82						lbs
Input voltage range*	88-264VAC													
Input frequency	47 - 63 Hz													
Power consumption	395W													
Build size single extruder (DWH)	270	x	270	x	590	mm	10.6	x	10.6	x	23.2	inch		
Build size dual extruder (DWH)	270	x	240	x	590	mm	10.6	x	9.4	x	23.2	inch		
Build volume	43.0						L	9.5						gall.
Heated bed max temp	90						°C	194						°F
Heated Chamber	No													
Hot end Max temp	275						°C	527						°F
Number of extruders	2													
Extruder size(s)	0.35					mm	1.38E-02					inch		
Filament size	1.75						mm	6.89E-02						inch
Layer thickness	0.02	-	0.35			mm	7.87E-04	-	1.38E-02			inch		
Max print speed (DW)	18000		$\frac{\text{mm}}{\text{min}}$	300		$\frac{\text{mm}}{\text{s}}$	709		$\frac{\text{inch}}{\text{min}}$	12		$\frac{\text{inch}}{\text{s}}$		
Max. travel speed (DW)	24000		$\frac{\text{mm}}{\text{min}}$	400		$\frac{\text{mm}}{\text{s}}$	945		$\frac{\text{inch}}{\text{min}}$	16		$\frac{\text{inch}}{\text{s}}$		
Stepper motors	1.8° Step angle with 1/32 micro stepping													
Positioning accuracy (DW)	0.017						mm	6.65E-04						inch
Positioning accuracy (H)	0.020						mm	7.87E-04						inch
Body/frame construction	Aluminum Extrusion Profiles													
Heated bed construction	High grade glass													
Printbed Z-levelling	4-knob hand levelling													
Ethernet connection	No													
Wireless	No													
Internal OS	Linux													
USB standalone format	.Gcode format													
USB connection to computer	Virtual COM port													
Printable materials	PLA, ABS, PET-G, HIPS, Flex, Nylon, Hybrid, Wood, Laybrick, Carbon, PVA													

DWH: Depth, Width, Height. Coordinate system reference Y, X, Z

*On models prior to serial number HX-1511-0028 power input is set by Leapfrog and customers cannot change power input between 230/110V



3. Non-disclosure

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