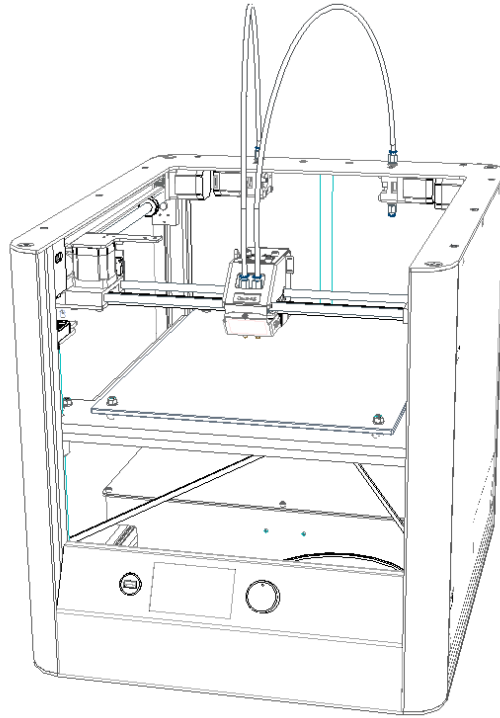




# Leapfrog 3D Printers

## DATASHEET

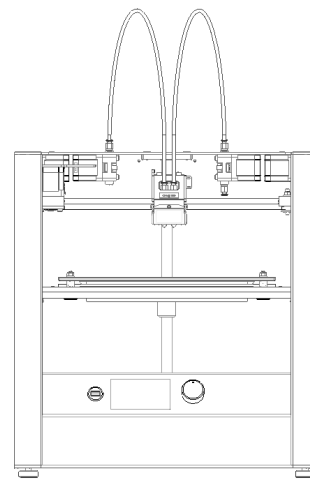
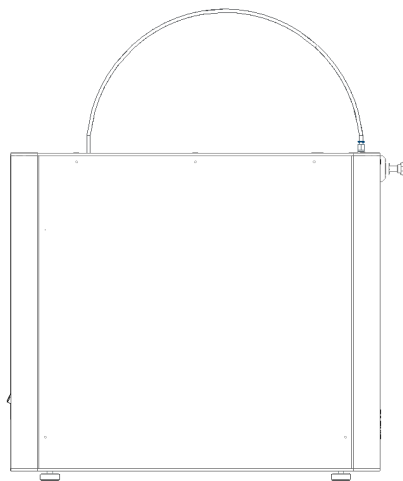
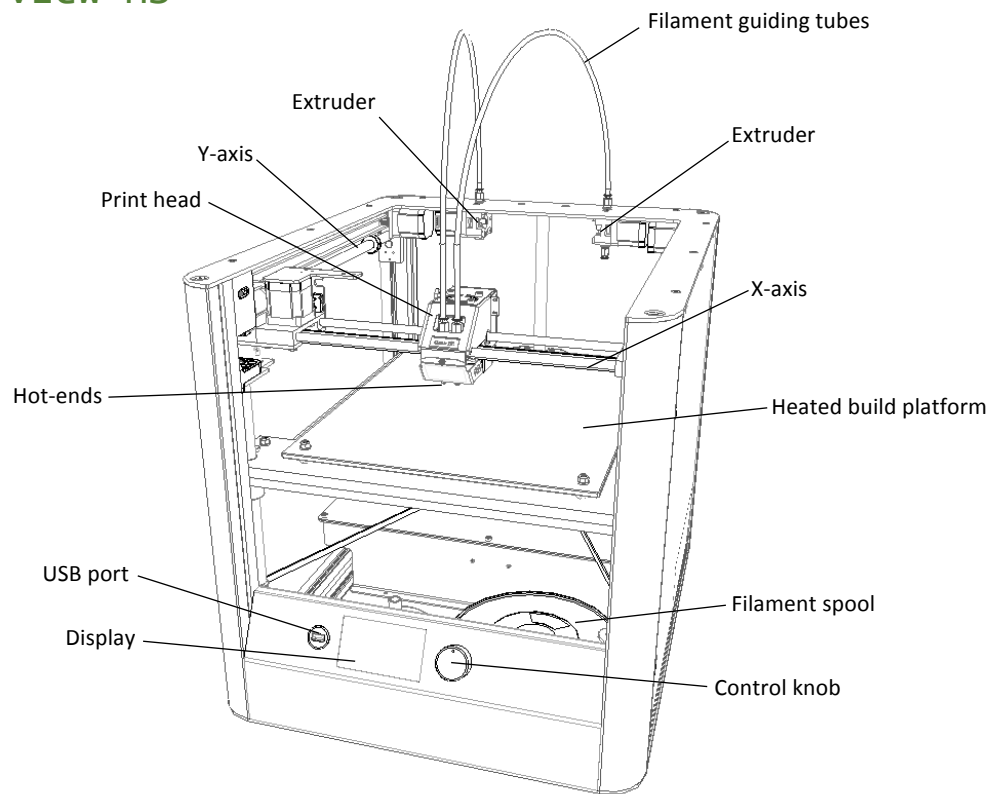


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## 1. Overview HS



## 2. Technical specifications HS

Specification	Metric	Imperial		
Physical dimensions (DWH)*	633 x 486 x 523 mm	24.9 x 19.1 x 20.6 inch		
Input power**	85-133VAC / 170-264VAC			
Input frequency	47 - 63 Hz			
Power consumption	4 Amp. @230V / 6.4 Amp. @ 115V			
Build size single extruder (DWH)	280 x 270 x 180 mm	11.0 x 10.6 x 7.1 inch		
Build size dual extruder (DWH)	280 x 240 x 180 mm	11.0 x 9.4 x 7.1 inch		
Build volume	13.6 L.	3.0 Gal.		
Heated bed	Max. 90°C	Max. 194°F		
Hot end	Max. 275°C	Max. 527°F		
Number of extruders	2			
Extruder size	0.35 mm	0.014 inch		
Filament size	1.75 mm	0.069 inch		
Layer thickness	0.02 – 0.35 mm	0.00079 – 0.014 inch		
Max. print speed (DW)	18000 mm/min.	300 mm/sec.	708.66 inch/min.	11.8 inch/sec.
Max. travel speed (DW)	24000 mm/min.	400 mm/sec.	944.88 inch/min.	15.8 inch/sec.
Stepper motors	1.8° Step angle with 1/16 micro stepping			
Positioning accuracy (DW)	0.0169 mm	0.00067 inch		
Positioning accuracy (H)	0.02 mm	0.00079 inch		
Body/frame construction	Aluminium extrusion profiles			
Printbed Z-levelling	4-knob hand levelling			
Internal OS	Linux			
USB standalone format	.gcode format			
USB accepted drive storage size	Not limited			
USB connection to computer	Virtual COM port			
Supported computer OS	Windows 98, XP SP3 32-bit, SP2 64-bit, Vista, 2000, Server Editions OS X Mavericks 10.9 or later			

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

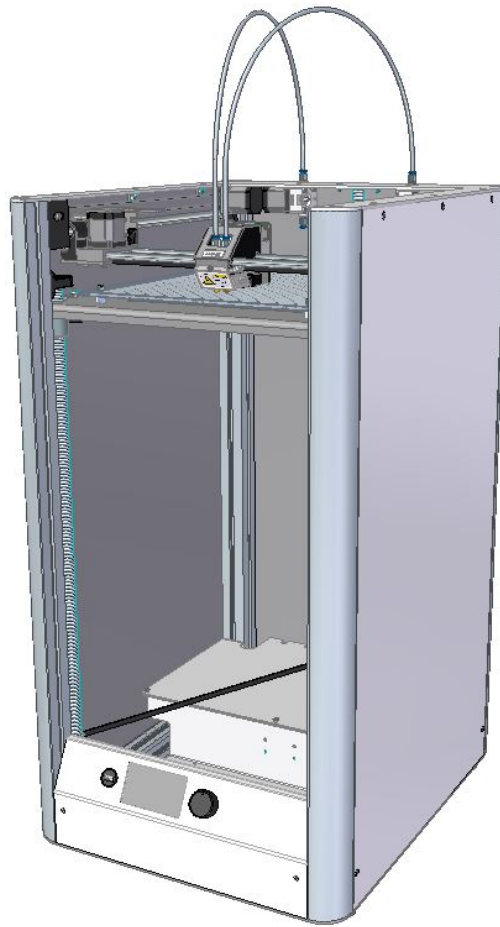
\*\*Power input is set by Leapfrog, customers cannot change power input between 230/110V



# Leapfrog Creatr HS XL

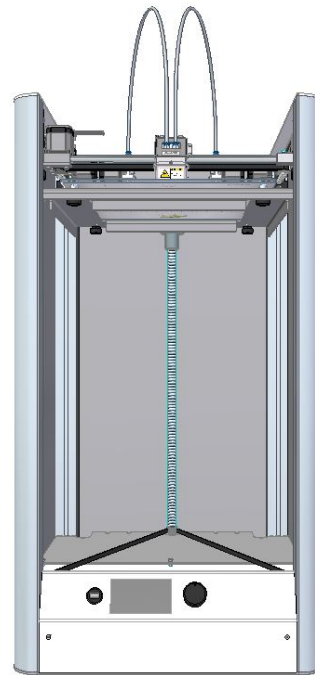
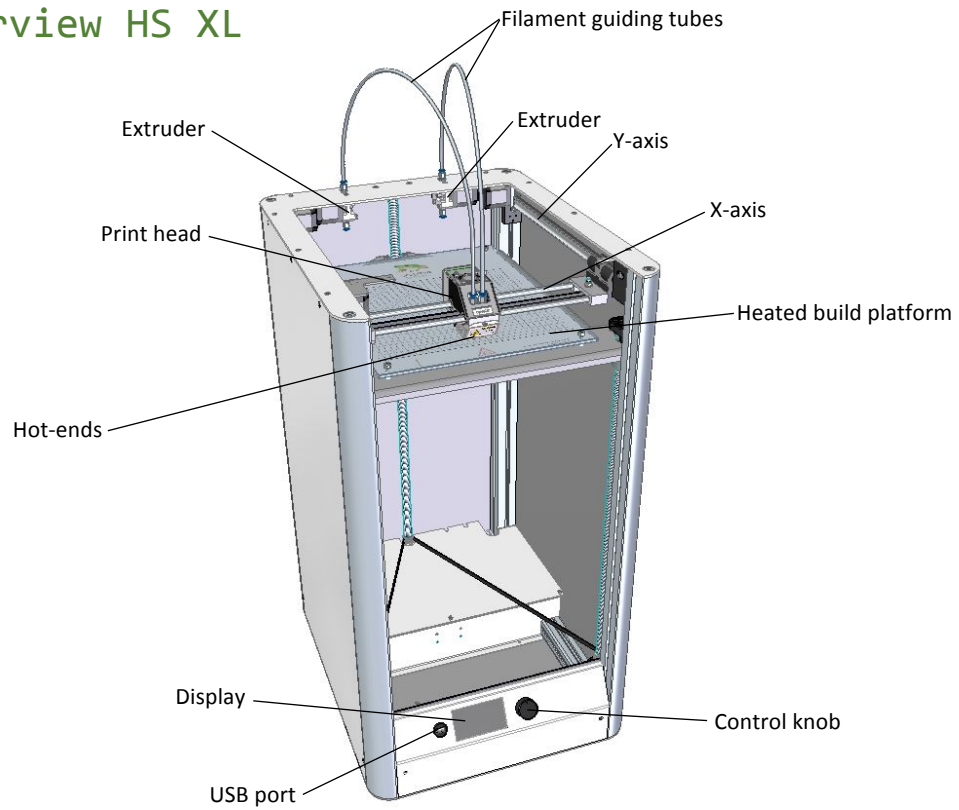
## V1 and V2 design

### DATASHEET





## 1. Overview HS XL



## 2. Technical specifications HS XL

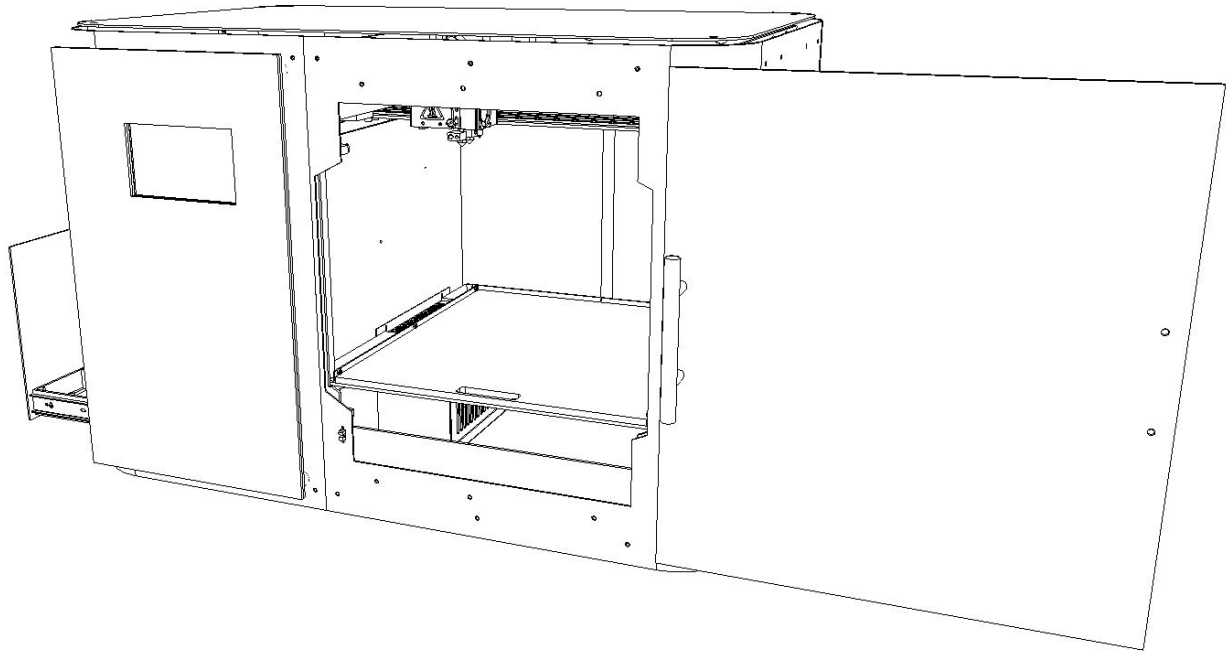
Specification	Metric	Imperial		
Physical dimensions (DWH)*	633 x 486 x 930 mm	24.9 x 19.1 x 36.6 inch		
Input power**	85-133VAC / 170-264VAC			
Input frequency	47 - 63 Hz			
Power consumption	4 Amp. @230V / 6.4 Amp. @ 115V			
Build size single extruder (DWH)	270 x 270 x 590 mm	10.6 x 10.6 x 23.2 inch		
Build size dual extruder (DWH)	270 x 240 x 590 mm	10.6 x 9.4 x 23.2 inch		
Build volume	43 L.	9.4 Gal.		
Heated bed	Max. 90°C	Max. 194°F		
Hot end	Max. 275°C	Max. 527°F		
Number of extruders	2			
Extruder size	0.35 mm	0.014 inch		
Filament size	1.75 mm	0.069 inch		
Layer thickness	0.02 – 0.35 mm	0.00079 – 0.014 inch		
Max. print speed (DW)	18000 mm/min.	300 mm/sec.	708.66 inch/min.	11.8 inch/sec.
Max. travel speed (DW)	24000 mm/min.	400 mm/sec.	944.88 inch/min.	15.8 inch/sec.
Stepper motors	1.8° Step angle with 1/16 micro stepping			
Positioning accuracy (DW)	0.0169 mm	0.00067 inch		
Positioning accuracy (H)	0.02 mm	0.00079 inch		
Body/frame construction	Aluminium extrusion profiles			
Printbed Z-levelling	4-knob hand levelling			
Internal OS	Linux			
USB standalone format	.gcode format			
USB connection to computer	Virtual COM port			

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

\*\*Power input is set by Leapfrog, customers cannot change power input between 230/110V

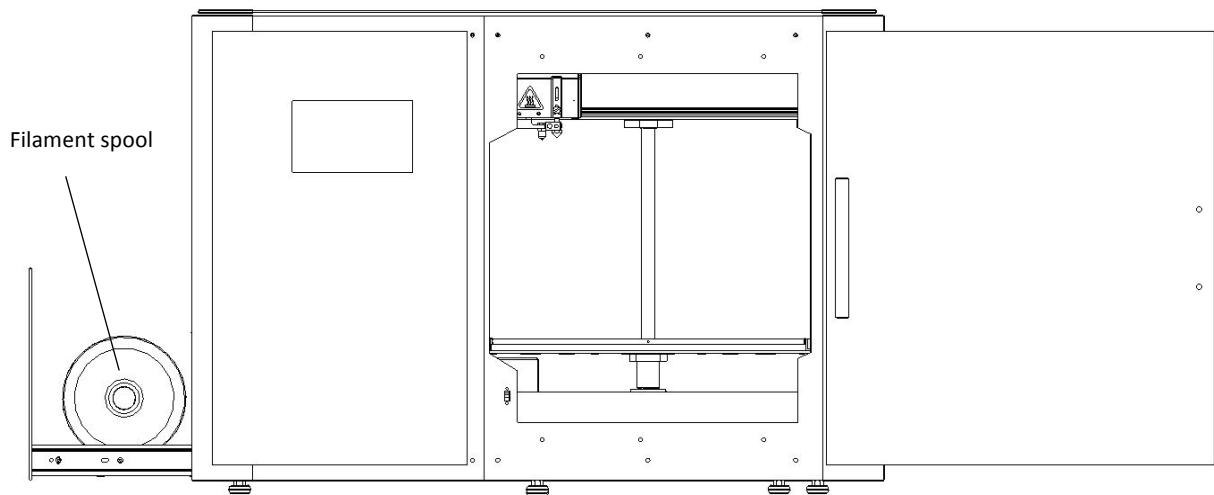
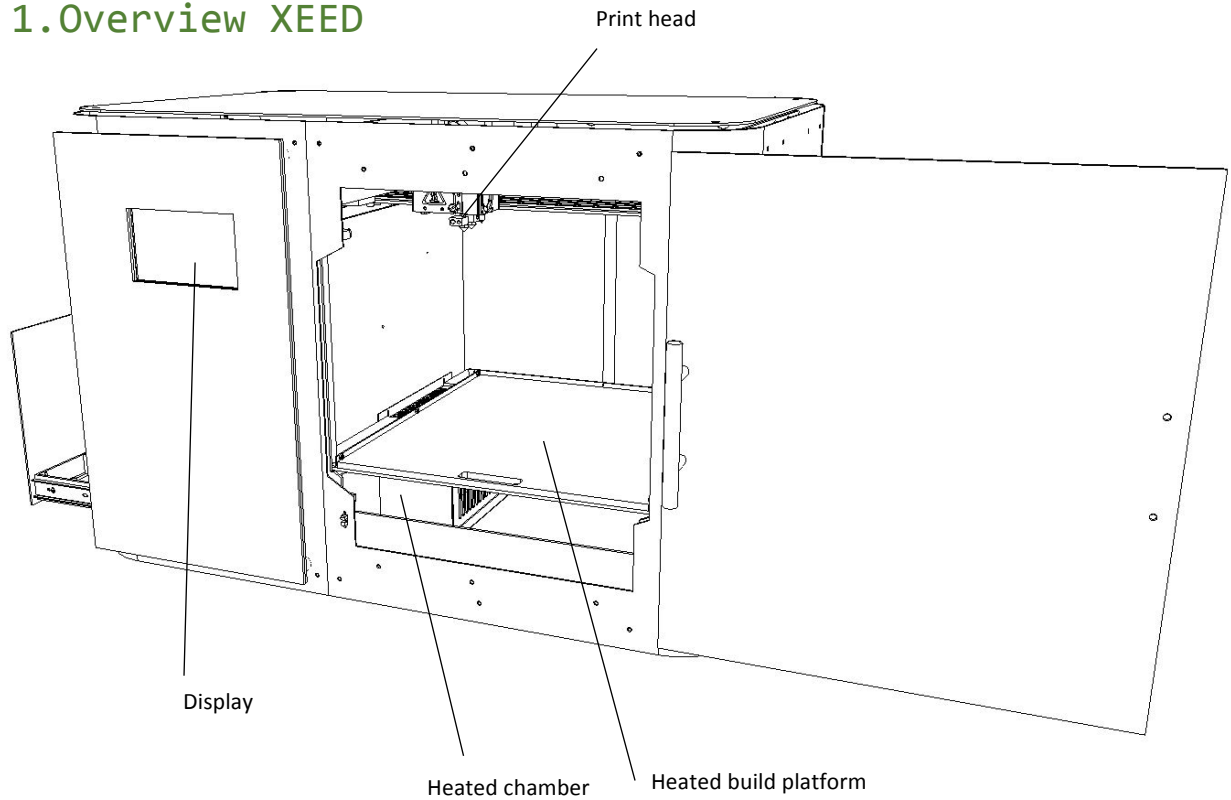


## Xeed V2 DATASHEET





## 1. Overview XEED





## 2. Technical specifications XEED

Specification	Metric	Imperial		
Physical dimensions (DWH)*	580 x 900 x 640 mm	22.8 x 35.4 x 25.1 inch		
Input power**	85-133VAC / 170-264VAC			
Input frequency	47 - 63 Hz			
Power consumption	1800W			
Build size single extruder (DWH)	220 x 280 x 230mm	8.7 x 11.0 x 9.1 inch		
Build size dual extruder (DWH)	220 x 250 x 230mm	8.7 x 9.8 x 9.1 inch		
Build volume	14.2 L.	3.1 Gal.		
Heated bed	Max. 80°C	Max. 176°F		
Hot end	Max. 275°C	Max. 527°F		
Number of extruders	2			
Extruder size	0.35 mm	0.014 inch		
Filament size	1.75 mm	0.069 inch		
Layer thickness	0.02 – 0.35 mm	0.00079 – 0.014 inch		
Max. print speed (DW)	10800 mm/min.	180 mm/sec.	425 inch/min.	7 inch/sec.
Max. travel speed (DW)	24000 mm/min.	350 mm/sec.	944 inch/min.	14 inch/sec.
Stepper motors	1.8° Step angle with 1/32 micro stepping			
Positioning accuracy (DW)	0.018 mm	0.004 inch		
Positioning accuracy (H)	0.010 mm	0.002 inch		
Body/frame construction	Aluminium Framework			
Printbed Z-levelling	Automatic			
Wireless	yes			
Internal OS	Linux			
USB standalone format	.gcode format			
USB connection to computer	None			

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

\*\*Power input is set by Leapfrog, customers cannot change power input between 230/110V

## 3. Non-disclosure

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