

# Contents

<b>Parts Lists</b>	<b>1</b>
Box #2/8 - ENC2 . . . . .	3
Box #4/8 - MAIN . . . . .	4
Box #6/8 - ENC1 . . . . .	10
Box #8/8 - PRF . . . . .	12
Tools . . . . .	13

## Parts Lists

This page contains data on the individual components of the printer, as well as a list of tools used at the bottom of the page.

## Box #1/8 - MTL1

Main Page - Parts

Lists

Item #	Packing List
ID   Qty   Picture	Used In Step(s)   Part Name   Vendor   Approx Price
BIG-00-ELC-001 V5 - PID	1   2-10 (1x)   Temperature Controller Mount Bracket
BIG-00-ELC-004	1   2-10 (1x)   Front Bottom Right Bracket
BIG-00-SUP-001	1   2-10 (1x)   Right Front Top Bracket
BIG-00-SUP-001-LCD	1   2-10 (1x)   Left Front Top Bracket
BIG-00-SUP-002 V2	4   2-10 (4x)   Top Support Bracket
BIG-00-SUP-003	11   2-10 (11x)   Side and Back Support Bracket
BIG-00-EXT-001 V2	1   1-19 (1x)   Extruder Mounting Bracket
BIG-00-EXT-002	1   1-15 (1x)   Rail Block Bracket
BIG-00-EXT-003	1   1-15 (1x)   Y Axis Belt Mount Bracket
BIG-00-EXT-004 V5	1   1-20 (1x)   Inductive Sensor Mounting Bracket
BIG-00-EXT-005	1   1-19 (1x)   Blower Fan Mounting Bracket
BIG-00-EXT-011 V2	1   1-15 (1x)   Filament Guide Mount Bracket
BIG-00-EXT-012	1   2-03 (1x)   Extruder Wiring Cover Bracket
BIG-00-FLM-005 V4	1   2-05 (1x)   Filament Sensor Metal Mount
BIG-00-FLM-008	2   Filament Spool Bracket

---

## Box #2/8 - ENC2

Main Page - Parts Lists

Item #	Packing List ID	Qty	Picture	Used In Step(s)	Part Name	Vendor	Approx Price
01	Panel-Lid-005-V2	1		2-19 (1x)	Lid Front Panel		
02	Panel-Lid-003-Side V2	2		2-18 (2x)	Lid Side Panel		
03	Panel-Lid-001-Back	1		2-18 (1x)	Lid Back Panel		
04	Panel-Lid-002-Back-Top v3	1		2-18 (1x)	Lid Top Back Panel		
05	Panel-Lid-004-V2	1		2-19 (1x)	Lid Top Front Panel		
06	FRONT-LID-PANEL	1		2-18 (1x)	Front Lid Panel		
07	BIG-60-Door-001	2		2-17 (2x)	Door		
08	BIG-60-Door-002	2		2-17 (2x)	Black Panels for the Door Support		
09	BIG-60-Panel-Side-001	2		2-16 (2x)	Side Panel		
10	Panel-Body-003-Bottom	1		2-16 (1x)	Bottom Panel		
11	BIG-60-Panel-Back-001 V2	1		2-16 (1x)	Back Panel		

---

## Box #3/8 - BED  
Main Page - Parts  
Lists

[illegible]

Box #4/8 - MAIN

[Main Page - Parts Lists](#)

Item #	Bag Name	Packing List ID	Qty	Picture	Used In Step(s)	Part Name	Vendor	Approx Price
001	ELC	Electronic Box	1		1-23 (1x)	Electronic Box		
002	Motors	Motech Stepper Motor 60mm	5		1-14 (5x)	Nema 17 Motor 60mm	Modix	\$50
003	Motors	Motech Stepper Motor 40mm	1		1-19 (1x)	Nema 17 Motor 40mm		

Item #	Bag Name	Packing List ID	Qty	Picture	Used In Step(s)	Part Name	Vendor	Approx Price
004	Motors	X Motor Cable	1		2-01 (1x)	X, Y, & Z Motor Wires		
005	Motors	Y Motor Cable	1		2-01 (1x)	X, Y, & Z Motor Wires		
006	Motors	Z Motor Cable	1		2-01 (1x)	X, Y, & Z Motor Wires		
007	Motors	End Stop (Y Axis)	1		2-01 (1x)	X & Y End-Stop		
008	Motors	End Stop (X Axis)	1		2-01 (1x)	X & Y End-Stop		
009	Power Supply	Power Supply	1		3-03 (1x)	Power Supply		
010	Power Supply	Power Cord	3		3-01 (1x); 3-02 (1x); 3-03 (1x)	Power Cable		
011	Electronic Parts	USB Cable 1.5 meter long	1					
012	Electronic Parts	16 GB original SanDisk SD Card	1				Amazon	\$9
013	Electronic Parts	Bltouch	1		1-20 (1x)	Bag of BLTouch Equipment		
014	Electronic Parts	Inductive Sensor (5 Volt)	1					
015	Electronic Parts	Stepper Driver(A4988)	3					
016	Mechanical Parts	KFL08 Pillow Bearing Flange	3		1-08 (3x)	KFL08 Pillow Bearing Flange		
017	Mechanical Parts	SHF12	8		1-06 (4x); 1-08 (4x)	SHF12 (12mm Rod Mount)		
018	Mechanical Parts	LMKL12UU	4		1-09 (4x)	LMKL12UU Linear Bearing		
019	Mechanical Parts	GT2 Pulley W10 T16 B5	6		1-14 (5x)	16 Tooth Pulley		
020	Mechanical Parts	GT2 Pulley W10 T40 B8	3		1-09 (3x)	GT2 40 Tooth Gears		
021	Mechanical Parts	GT2 Idler W10 T20 B5	4		1-02 (2x); 1-15 (1x)	GT2 Idler Pulley Width10mm 20Teeth Bore5		
022	Mechanical Parts	GT10 Black Belt 5 Meter	1		1-15 (1x "Y-Axis" Segment); 1-16 (1x "X-Axis" Segment); 1-17 (1x "X-Axis" Segment)	GT2 Timing Belt (165 cm)	Modix	\$10

Item #	Bag Name	Packing List ID	Qty	Picture	Used In Step(s)	Part Name	Vendor	Approx Price
023	Mechanical Parts	GT2 Belt Closed Loop 200mm	4		1-10 (3x); 1-12 (1x)	GT2 Belt Closed Loop 200		
024	Mechanical Parts	2020 Corners Bracket	4		2-08 (4x)	2020 Corner Bracket		
025	Mechanical Parts	4040 Corners Bracket	3			4040 Corner Bracket		
026	Mechanical Parts	4040 Fastener Joint M8	16		1-03 (4x); 1-06 (4x); 1-08 (4x); 1-11 (4x)	Metal Clip for 4040 Profiles		
027	Mechanical Parts	4040 Profile Plastic Cover	10					
028	Mechanical Parts	Plastic Spacer M5x9x5mm	8		1-02 (6x); 1-15 (2x)	M5 Nylon Round Spacer		
029	Mechanical Parts	Belt Clamp	6		1-15 (2x); 1-16 (2x); 1-17 (2x)	Belt Tensioning Clamp		
030	Plastic Legs	Articulated Plastic Legs	4					
031	Accessories	Allen Keys Set	1					
032	Accessories	Ceramic Screwdriver for A4988 Stepper Driver - CD-15	1					
033	Accessories	7mm Nozzle Spanner	1					
034	Accessories	242 Screw Glue(10ML)	1					
035	Accessories	Zip Ties(100pc)	1					
036	Main HotEnd	Silicon Socket Volcano Oragne	1		1-18 (1x)	E3D Volcano Silicone Insulator		
037	Main HotEnd	E3D Volcano Nozzle - 1.75mm x 0.40mm Number of Dots:4	1		1-18 (1x)	0.4 mm Volcano Nozzle	E3D	L9
038	Main HotEnd	E3D Volcano EXTRA Nozzle - 1.75mm x 0.60mm Number of Dots:0	1				E3D	L9
039	Main HotEnd	E3D Volcano EXTRA Nozzle - 1.75mm x 0.8mm Number of Dots:1	1				E3D	L9
040	Main HotEnd	Fan Duct Plastic	1		1-18 (1x)	303010 Fan Duct		
041	Main HotEnd	E3D v6 Heat Break	2		1-18 (1x)	E3D V6 Heat Break	E3D	L8.6
042	Main HotEnd	PTFE 50mm	1		1-18 (1x)	PTFE Tube (50 mm)	Amazon	\$7
043	Main HotEnd	E3D V6 Heat Sink	1		1-18 (1x)	E3D V6 Heat Sink		

Item #	Bag Name	Packing List ID	Qty	Picture	Used In Step(s)	Part Name	Vendor	Approx Price
044	Main HotEnd	Volcano Heat Block	1		1-18 (1x)	Volcano Heat Block		
045	Main HotEnd	Heatsink Thermal Compound	1		1-18 (1x)	Thermal Paste	E3D	L1
046	Main HotEnd	V6 Universal Fixing Kit	1		1-18 (1x)	Universal Fixing Kit		
047	Main HotEnd	Thermistor Cartridge	1		1-18 (1x)	Thermistor Cartridge		
048	Main HotEnd	Titan Extruder Box	1		1-19 (1x)	E3D Titan Extruder Box	E3D	
049	Main HotEnd	M3 35 mm Screws Half Threaded	3		1-19 (3x)	Extruder Screws		
050	Main HotEnd	Heater	1		1-18 (1x)	Heater Cartridge		
051	Main HotEnd	3010 Blower Fan	1		1-18 (1x)	303010 Fan		
052	Main HotEnd	Blower Fan	1		1-19 (1x)	Blower Fan		
053	Main HotEnd	Printed Part Hotend 1 Blower Fan	1		1-19 (1x)	3D-Printed Blower Fan		
054	Filament	Filament Sensor	1		2-05 (1x)	Duct Filament Sensor		
055	Filament	Filament Sensor Screws	1		2-05 (2x)	Filament Sensor Screw & Nut		
056	Filament	Filament Sensor Cable	1		2-05 (1x)	Filament Sensor Cable		
057	Filament	Filament Sensor Filter	1					
058	Filament	PTFE Guide 1.5m	1		2-05 (1x)	1.5m PTFE Tube	Amazon	\$7
059	Filament	Black Wire Cable House	5					
060	Filament	Spool Mount	1			Spool Mount		
061	Filament	Spool Mount Nut	3			Spool Mount Nut		
062	LCD Controller	Full Graphics Smart Controller	1		1-22 (1x)	LCD Screen		
063	LCD Controller	Stop Button Printed Part	1		1-22 (1x)	3D-Printed Stop Button		
064	LCD Controller	M3 Spacer 5mm Female-Male 8mm Thread	6		1-22 (4x)	M3 Male 8mm – Female 5mm Spacer		

Item #	Bag Name	Packing List ID	Qty	Picture	Used In Step(s)	Part Name	Vendor	Approx Price
065	LCD Controller	M3x6	4		1-22 (4x)	M3 6mm Screw		
066	LCD Controller	M3 Nut	4		1-22 (4x)	M3 Nut		
067	LCD Controller	Ribbon Cable 10 PIN	2		1-22 (2x)	10 pin black Rounded Cable		
068	Extra	Grounding Cable	1		3-02 (1x)	Grounding Cable		
069	Extra	C14	1					
070	Extra	Sticker	3					
071	Extra	Filter Ferrite	2					
072	Extra	Y Calibration Jig	2					
073	Extra	Probe Calibration	1					
074	Extra	Bowden Tube Connector(Blue)	2					
075	Extra	Black Bowden Coupling Clip	2		2-05 (2x)	PTFE Clip		
076	Screws & Nuts	M2.5x16	6		2-01 (4x)	M2.5 16mm Screw		
077	Screws & Nuts	M3x6	10		1-13 (8x)	M3 6mm Screw		
078	Screws & Nuts	M3x10	20		1-13 (10x); 1-15 (1x)	M3 10mm Screw		
079	Screws & Nuts	M3x12	5		1-15 (3x) ; 1-20 (2x)	M3 12mm Screw		
080	Screws & Nuts	M3x16	22		1-04 (20x); 2-05 (2x)	M3 16mm Screw		
081	Screws & Nuts	M3x8	25		1-14 (20x)	M3 8mm Screw		
082	Screws & Nuts	M4x8	17		1-19 (2x); 1-20 (2x); 1-21 (4x)	M4 8mm Screw		
083	Screws & Nuts	M4x10	20		1-12 (2x); 1-23 (12x); 2-03 (4x); 2-18 (2x)	M4 10mm Screw		
084	Screws & Nuts	M4x16	30		1-09 (28x)	M4 16mm Screw		
085	Screws & Nuts	M4x25	10		1-19 (2x); 2-04 (6x)	M4 25mm Screw		
086	Screws & Nuts	M5x8	45		1-09 (10x); 1-13 (6x); 1-22 (2x); 2-08 (16x)	M5 8mm Screw		
087	Screws & Nuts	M5x12	140		1-03 (4x); 1-05 (4x); 1-06 (6x); 1-07 (2x); 1-08 (15x); 1-11 (6x); 1-12 (6x); 1-23 (2x); 2-05 (2x); 2-10 (82x); 2-11 (8x)	M5 12mm Screw		



Item #	Bag Name	Packing List ID	Qty	Picture	Used In Step(s)	Part Name	Vendor	Approx Price
088	Screws & Nuts	M5x16	30		1-03 (4x); 1-06 (9x); 1-08 (8x); 1-15 (1x)	M5 16mm Screw		
089	Screws & Nuts	M5x20	5					
090	Screws & Nuts	M5x50	6		1-02 (2x); 1-15 (1x)	M5 50mm Screw		
091	Screws & Nuts	M8x25-Button	18		1-03 (4x); 1-06 (4x); 1-08 (4x); 1-11 (4x)	M8 25mm Button-head Screw		
092	Screws & Nuts	M8x16-Button	6			M8 16mm Button Screw		
093	Screws & Nuts	M5x12-Cone-Silver	6		1-11 (2x); 1-12 (4x)	M5 12mm Conic Screw		
094	Screws & Nuts	M5x12-Cone	25		2-07 (4x); 2-10 (16x)	M5 12mm Cone Screw		
095	Screws & Nuts	M2.5 Nut	10		2-01 (4x)	M2.5 Nut		
096	Screws & Nuts	M4 Nut	8		1-23 (6x)	M4 Nut		
097	Screws & Nuts	M5 Nut	35		1-06 (8x); 1-08 (14x); 1-12 (4x)	M5 Nut		
098	Screws & Nuts	M5 Nylock	6		1-02 (2x); 1-15 (1x)	M5 Nylock Nut		
099	Screws & Nuts	4040-M5 T Nut	150		1-03 (8x); 1-05 (4x); 1-06 (7x); 1-07 (2x); 1-08 (9x); 1-11 (8x); 1-23 (2x); 2-05 (2x); 2-10 (82x); 2-11 (8x)	M5 4040 T Nut for Profiles		
100	Screws & Nuts	4040-M8 T Nut	6			4040 M8 T-Nut		
101	Screws & Nuts	2020-M5 T Nut	45		1-09 (10x); 1-13 (6x); 2-07 (4x); 2-08 (16x)	2020 M5 T-Nut		
102	Screws & Nuts	2020-M3 T Nut	12		1-13 (10x)	2020 M3 T-Nut		
103	Screws & Nuts	M3 Spring Shim	40		1-04 (20x); 1-13 (10x)	M3 Spring Shim-Lock Washer		
104	Screws & Nuts	M3 Shim	40		1-14 (20x)	M3 Shim		
105	Screws & Nuts	M5 Shim	5		1-15 (1x)	M5 Shim		

Item #	Bag Name	Packing List ID	Qty	Picture	Used In Step(s)	Part Name	Vendor	Approx Price
106	Screws & Nuts	M5 Black Nylon Washer M5x10x1	20		2-10 (12x)	M5 Nylon Washer		

## Box #5/8 -  
BED-110 Main Page -  
Parts Lists  
| Item # | Packing List  
ID | Qty | Picture |  
Used In Step(s) | Part  
Name | Vendor |  
Approx Price |  
-----	-----
-----	-----
-----	-----
Heater - 110 Volt | 1 | |  
2-07 (1x) | Silicon  
Heater & Temperature  
Controller - 110V  
1370W |

## Box #6/8 - ENC1

Main Page - Parts Lists

Item #	Packing List ID	Qty	Picture	Used In Step(s)	Part Name	Vendor	Approx Price
01	Magnets	4		2-17 (4x)	Round Magnet		
02	2020 Corner Brackets	22		2-18 (10x); 2-19 (10x)	Corner Bracket		
03	4040 Hinge Left	2		2-17 (2x)	Large Modular Hinge		
04	4040 Hinge Right	2		2-17 (2x)	Large Modular Hinge		
05	2020 Hinge	2		2-18 (2x)	2020 Hinge		
06	Handle	3		2-17 (2x); 2-19 (1x)	Handle		
07	20x20 Profile Plastic Cover	2		2-18 (2x)	20x20 Profile Plastic Cover		
08	20X20 Profile Length 145mm	2		2-18 (2x)	20X20 Profile Length 145mm		
09	20X20 Profile Length 165mm	4		2-18 (4x)	20X20 Profile Length 165mm		

Item #	Packing List ID	Qty	Picture	Used In Step(s)	Part Name	Vendor	Approx Price
10	20X20 Profile Length 384mm	2		2-18 (2x)	20X20 Profile Length 384mm		
11	20X20 Profile Length 825mm	2		2-18 (2x)	20X20 Profile Length 825mm		
12	20X20 Profile Length 825mm (1/3 Drills According to Drawings)	1		2-18 (1x)	20X20 Profile Length 825mm (1/3 Drills According to Drawings)		
13	20X20 Profile Length 830mm	2		2-18 (2x)	20X20 Profile Length 830mm		
14	20X20 Profile Length 845mm	2		2-18 (2x)	20X20 Profile Length 845mm		
15	Screws M4x10	5		2-17 (4x); 2-18 (1x)	M4 10mm Screw		
16	Screws M4x12	5		2-17 (4x); 2-18 (1x)	M4 12mm Screw		
17	Screws M4x25	3		2-19 (2x)	M4 25mm Screw		
18	Screws M5x8	50		2-17 (2x); 2-18 (48x)	M5 8mm Screw		
19	Screws M5x12	45		2-16 (36x); 2-17 (4x)	M5 12mm Screw		
20	Screws M5x16	5		2-18 (4x)	M5 16mm Screw		
21	Screws M5x8-Button	50		2-19 (14x)	M5 8mm Button Screw		
22	Screws M5x8-Cone	13		2-18 (8x)	M5 Cone 8mm Screw		
23	Screws M5x12-Cone	5		2-18 (3x)	M5 Cone 12mm Screw		
24	Screws M5x20-Cone	18		2-17 (16x)	M5 Cone 20mm Screw		
25	M4 Nut	5		2-17 (4x)	M4 Nut		
26	M5 Nut	12		2-17 (10x)	M5 Nut		
27	4040-M5 T Nut	60		2-16 (36x); 2-17 (12x)	M5 4040 T Nut for Profiles		
28	2020-M5 T Nut	100		2-18 (93x)	2020-M5 T Nut		
29	M5 Nylon Washer Black M5x10x1	100		2-16 (36x); 2-17 (4x); 2-18 (42x); 2-19 (14x)	M5 Nylon Washer		

---

**## Box #7/8 - MTL2****Main Page - Parts****Lists**

| Item # | Packing List

ID | Qty | Picture |

Used In Step(s) | Part

Name | Vendor |

Approx Price |

|-----|

-----|-----|-----|

-----|-----|

|-----| | 01 |

BIG-60-X-001 | 2 | |

1-04 (2x) | Flat Metal

Brackets (789.5 mm) |

| 02 | BIG-60-X-002 | 2

| | 1-04 (2x) | Thin

Metal Brackets (695

mm) with Built-In

Nuts (PEM) | | 03 |

BIG-60-Z-001 V4 | 1 | |

1-08 (1x) | Z Axis

Bottom Right Bracket

| | 04 | BIG-60-Z-002

V4 | 1 | | 1-08 (1x) | Z

Axis Bottom Left

Bracket | | 05 |

BIG-60-Z-003 V2 | 1 | |

1-06 (1x) | Z Top Sheet

Metal Bracket – Right

| | 06 | BIG-60-Z-004

V2 | 1 | | 1-06 (1x) | Z

Top Sheet Metal

Bracket – Left | | 07 |

BIG-60-Z-005 V4 | 1 | |

1-09 (1x) | Z Axis Mid

Bracket | | 08 |

BIG-60-Z-006 | 1 | |

1-09 (1x) | Z Axis Mid

Bracket | | 09 |

Panel-Body-010-Front-

Bottom | 1 | | 2-11 (1x)

| Bottom Plate | | 10 |

Panel-Body-011-Front-

Top-1 | 1 | | 2-11 (1x) |

Top Cover | | 11 |

Panel-Body-012-Front-

Top-2 | 1 | | 2-11 (1x) |

Logo Background |

---

**Box #8/8 - PRF**

Main Page - Parts Lists

Item #	Packing List ID	Qty	Picture	Used In Step(s)	Part Name	Vendor	Approx Price
01	4040 Black Extrusion Profile - 870 mm	2		1-04 (2x)	40x40 Profile Length 870mm		
02	4040 Black Extrusion Profile - 790 mm	2		1-11 (2x)	40x40 Profile Length 790mm - X Axis Bottom		
03	4040 Black Extrusion Profile - 770 mm	4		1-06 (2x); 1-08 (2x)	40x40 Profile Length 770mm		
04	4040 Black Extrusion Profile - 990 mm	4		1-03 (4x)	40x40 Profile Length 990mm - Z Axis		
05	4040 Black Extrusion Profile - 400 mm	2			40x40 Profile Length 400mm		
06	2020 Black Extrusion Profile - 760 mm	1		1-13 (1x)	20x20 Profile Length 760mm		
07	2020 Black Extrusion Profile - 860 mm	2		2-07 (2x)	20x20 Profile Length 860mm		
08	2020 Black Extrusion Profile - 620 mm	2		1-09 (2x)	20x20 Profile Length 620mm		

## Tools

Main Page - Parts Lists

Name	Number	Unit Cost	Distributor	Used In Step(s)
Set Screw Replacement Kit	x1	\$13	Amazon	Stripped Set Screws; 1-08; 1-09; 1-12; 1-14
Hex Key Set	x1	\$14	Amazon	Stripped Set Screws; 1-08; 1-09; 1-12; 1-14
Precision Screwdriver Set	x1	\$7	Amazon	
Philips Head Screwdriver	x1	\$7	Amazon	
Level	x2	\$10	Amazon	2-08; Recalibration
Right Angle Square	x2	\$8	Amazon	1-05; 1-07; 1-10; 1-11; 2-10; 2-15
Box Cutter	x1	\$10	Amazon	
Pliers	x2	\$13	Amazon	
Needlenose Pliers	x1	\$11	Amazon	
Putty Knife	x1	\$6	Amazon	
White Lithium Grease	x1	\$5.50	Amazon	Grease Maintenance
Isopropyl Alcohol	x1	\$4.20	Amazon	Running a Print