

Acrylic Geeetech I3 Pro B 3D Printer



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Technical Support

If you are interested in the technology of 3 D printing, flight control and U-home, welcome to Geetech, we have series of made-up products, main boards, modules and a variety of peripherals for you. Or if you are looking for relevant information or technical support, please log in our Forum where you can find anything you want about open source. To know more about our new products, please visit www.geetech.com, we will serve you wholeheartedly.

SAFETY INSTRUCTIONS

Building the printer will require a certain amount of physical dexterity, common sense and a thorough understanding of what you are doing. We have provided detailed instructions to help you assemble it easily, please download at geeetech.com.

However ultimately we cannot be responsible for your health and safety whilst building or operating the printer, with that in mind be sure you are confident with what you are doing prior to commencing with building or buying. Read the entire manual to enable you to make an informed decision.

Building and operating involves electricity, so all necessary precautions should be taken and adhered to, the printer runs on 12V supplied by a certified power supply, so you shouldn't ever have to get involved with anything over 12V but bear in mind there can still be high currents involved and even at 12V they shouldn't be taken lightly.

High temperatures are involved with 3D Printing, the Extrusion

nozzle of the hot end can run about 230 °C, the heated bed runs 110 °C and the molten plastic extruded will initially be at around 200 °C, so special care and attention should be made when handling these parts of the printer during operation.

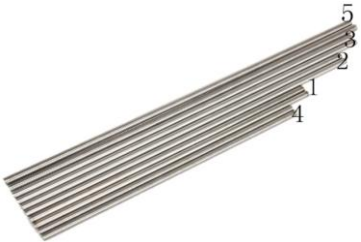

We wouldn't recommend leaving your printer running unattended, or at least until you are confident to do so. We cannot be held responsible for any loss, damage, threat, hurt or other negligent result from either building or using the printer.

INTRODUCTION:






This Acrylic I3 Pro 3D printer is designed and manufactured by Shenzhen Getech Co., Ltd based on the Reprap Prusa I3, Geeetech I3 features simple assembly, easy debugging and more stable performance. The acrylic structure makes the printer much easier to operate.

PACKAGE LIST:



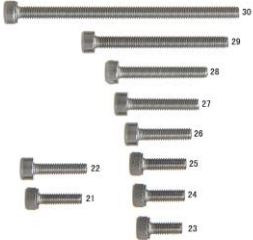

This list includes all the parts required to assemble your Acrylic Frame Geeetech I3 Pro 3D Printer. After you received your package, please check if all the parts listed are included. Also make sure all the components are in good condition and not damaged during shipping. If anything is missing please contact with our customer service straight away, provide us the NO. , Name, and Qty.

No	Name	Specifications	Qty	Pic
1	Smooth Rod	D8*L322mm Z	2	
2	Smooth Rod	D8*L390mm Y axis	2	
3	Smooth Rod	D8*L410mm X	2	
4	Threaded Rod	M8*L300mm Z-axis screw	2	
5	Threaded Rod	M10*L450mm Y-axis	2	
6	M2.5 Washers	M2.5	5	
7	M3 Washers	M3	115	
8	M4 Washers	M4	5	
9	M10 Washers	M10	12	






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10	Nut	M2.5	4	
11	Nut	M3	35	
12	Nut	M4	6	
13	Nut	M10	12	
14	Lock nut	M3	5	
15	Lock nut	M4	5	
16	Wing nut	M3	6	
17	Square nut	M3	34	
18	Z-axis nut	Φ8 (tin-bronze)	2	







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19	Spring washer	M10	6	
20	Screw locking ring	Φ8	8	
21	Screw	M2.5x8 mm	2	
22	Screw	M2.5x16 mm	4	
23	Screw	M3x6mm	25	
24	Screw	M3x8mm	2	
25	Screw	M3x10mm	15	
26	Screw	M3x12mm	24	
27	Screw	M3x16mm	32	
28	Screw	M3x20mm	32	
29	Screw	M3x30mm	14	
30	Screw	M3x35mm	5	
31	Screw	M3x40mm	5	
32	Screw	M4x6mm	4	
33	Screw	M4x25mm	2	







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34	Bolts	countersunk head bolt M3x16mm	5	
35	Spring		5	
36	LM8UU Linear Bearings	LM8UU	4	
37	LM8LUU Linear Bearings	LM8LUU	2	
38	Linear Bearing	LMH8LUU	2	

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39	Timing Belts	L1=775(Y axis)	1	
40	Timing Belts	L1=860mm(X axis)	1	
41	Bearing holder	metal plate	2	
42	Belt mount	Aluminum plate	1	
43	Couplings	5-8mm	2	
44	Pulleys	20 tooth d5mm	2	





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45	Driving wheel		2	
46	Ball bearing	MR84zz (Placed in No.45)	4	
47	Spacer	With Aircraft type end	4	
48	Dovetail clamp		4	
49	Heat sink	9*10*5mm	4	
50	Sticker		1	





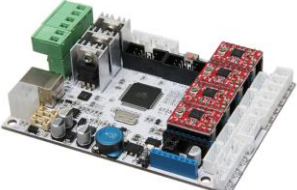
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51	Belt bracket		1	
52	Knob	For LCD	1	
53	Fan	40x40x10mm 12V	1	
54	DuPont cable	3-Pin Male-Female	1	
55	USB Cord	A-B	1	

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56	End stop	blue / red / black	3	
57	3D Power Cable	3*0.75 Square mm Switch Line	1	
58	Power Cable	Control board power input	1	
59	Heat bed set	With heating wire and Thermo- wire	1	






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60	Borosilicate glass	216mmx216mm x3mm	1	
61	Power supply	Input: 115V/1.5A 230V/0.75A Output: DC12V/0-15A	1	
62	Stepper motor		4	
63	Extruder	MK8 extruder	1	
64	Control board	GT2560+4 A4988	1set	





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65	LCD 2004	LCD2004	1	
66	Nylon ties		30	
67	Coil	3M	1	
Acrylic kits				
A1	XZ frame	I3-01	1	
A2	Left side frame	I3-02	1	







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A3	Right side frame	I3-03	1	
A4	Z motor fixed plate	I3-04	1	
A5	Z motor fixed plate	I3-05	1	
A6	Z motor support plate	I3-06	3	
A7	Z motor support plate	I3-07	1	






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A8	Z top mount	I3-08	2	
A9	Front support plate A of screw and smooth rod	I3-09	1	
A10	Front support plate B of screw and smooth rod	I3-10	1	
A11	Rear Support plate A of screw and smooth rod	I3-11	1	






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A12	Rear support plate B of screw and smooth rod	I3-12	1	
A13	Y motor fixed plate	I3-13	1	
A14	Y plate for connecting plate	I3-14	2	
A15	Y platform support plate	I3-15	1	
A16	Y bearing limit block	I3-16	4	
A19	Acrylic washer	Fix the LCD panel	4	



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A20	LCD2004 frame		1	
A21	LCD2004 frame holder		2	
Plastic Parts				
M1	X-axis left end	left	1	
M2	X-axis right end	Right	1	
M3	Print bracket	PI3-S07	1	

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M4	Bearing Bracket	PI3-08	4	
M5	Extruder bracket	PI3B-S01	1	
Free add-on				
F1	Ejector pin		1	
F2	File		1	
F3	Tool kit	Universal screwdriver	1	

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F4	Filament holder set		1	
F5	Starter filament	About 3 meters	1	

*The color of the screws is different according to the color of your printer:

*The acrylic plate for the spool holder and the LCD frame are 5mm.

For detailed instructions, please visit this page:

<http://www.geeetech.com/acrylic-geeetech-i3-pro-3d-printer-diy-kit-p-884.html>

GENERAL CARE AND MAINTENANCE

As with all the electronic equipment, it is important to keep your

printer clean to extend its life. Regularly remove dust and debris with a microfiber cloth or compressed air. Dredge the tube and the nozzle after use every time to ensure fluent performance.

- Don't leave the heaters on the printer turned on for a long periods of time when not used.
- Don't leave your printer in shady and moist places, which may exacerbate the problems associated with erosion.
- The three axes of the GEEETECH I3 Pro B are lubricated with grease for smooth operation and can last for a long time. Grease may need to be re-applied to your printer to maintain smooth performance.
- Avoid positioning your power supply unit in such a way that the brick is hanging, pulling, or putting any unnecessary stress in the electrical wires and components.

SUPPROT

Thanks for choosing Geeetech, we strive to provide a satisfied and pleasant shopping experience for you, but we do understand

there may be some questions you may encounter in using our product. If so, you can contact us directly or post on our forum, our technique staff will help you resolve it. For more detailed information, you can also visit Geeetech wiki from our home page. (<http://www.geeetech.com>)

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